



**WOOD BUFFALO
ENVIRONMENTAL ASSOCIATION**

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Wood Buffalo Environmental Association

ANNUAL REPORT – VOLUME 2

2022 INTEGRATED DATA

March 2023



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





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WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

DATA SUMMARY 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS

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

Particulate Matter: Desert Research Institute
Reno, NV

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

Polycyclic Aromatic Hydrocarbons: Airzone One Incorporated
Mississauga, Ontario

Precipitation: Wisconsin State Laboratory of Hygiene
Madison, WI

Dustfall: Airzone One Incorporated
Mississauga, Ontario

Total Suspended Particulate: WBEA Analytical Services Group
Fort McMurray, Alberta



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WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

**INTEGRATED MONITORING PROGRAM
ANNUAL REPORT**

**VOLATILE ORGANIC COMPOUNDS
DATA SUMMARY
2022**

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

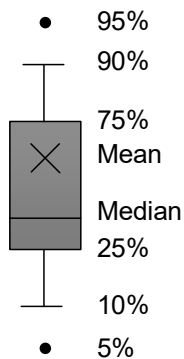
LABORATORY ANALYSIS BY:

VOCs: InnoTech Alberta, Inc.
Vegreville, Alberta



CONTENTS DESCRIPTION	Summary of VOC – Measurements of Speciated Volatile Organic Compounds
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	ppbv (parts per billion volume)
OBSERVATION TYPE	Gas
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Evacuated canister
ANALYTICAL METHODS	GC/MS - Gas chromatography/mass spectrometer
ANALYTICAL LABORATORY	InnoTech Alberta Inc
USER NOTE 1	Data are not blank corrected
USER NOTE 2	MDLs for many parameters were updated in May 2021. Data qualifies for V4 if greater than average + 5x Standard Dev with 5 passes. Computed on a quarterly dataset.
USER NOTE 3	Summary statistics include flags beginning with V. Instances when the Lab did not report a value that was <MDL, 0 was used.
SAMPLING INSTRUMENT TYPE	Tisch TE123
FLOW RATE	10.0 cc/min (cubic centimeters per minute)
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator

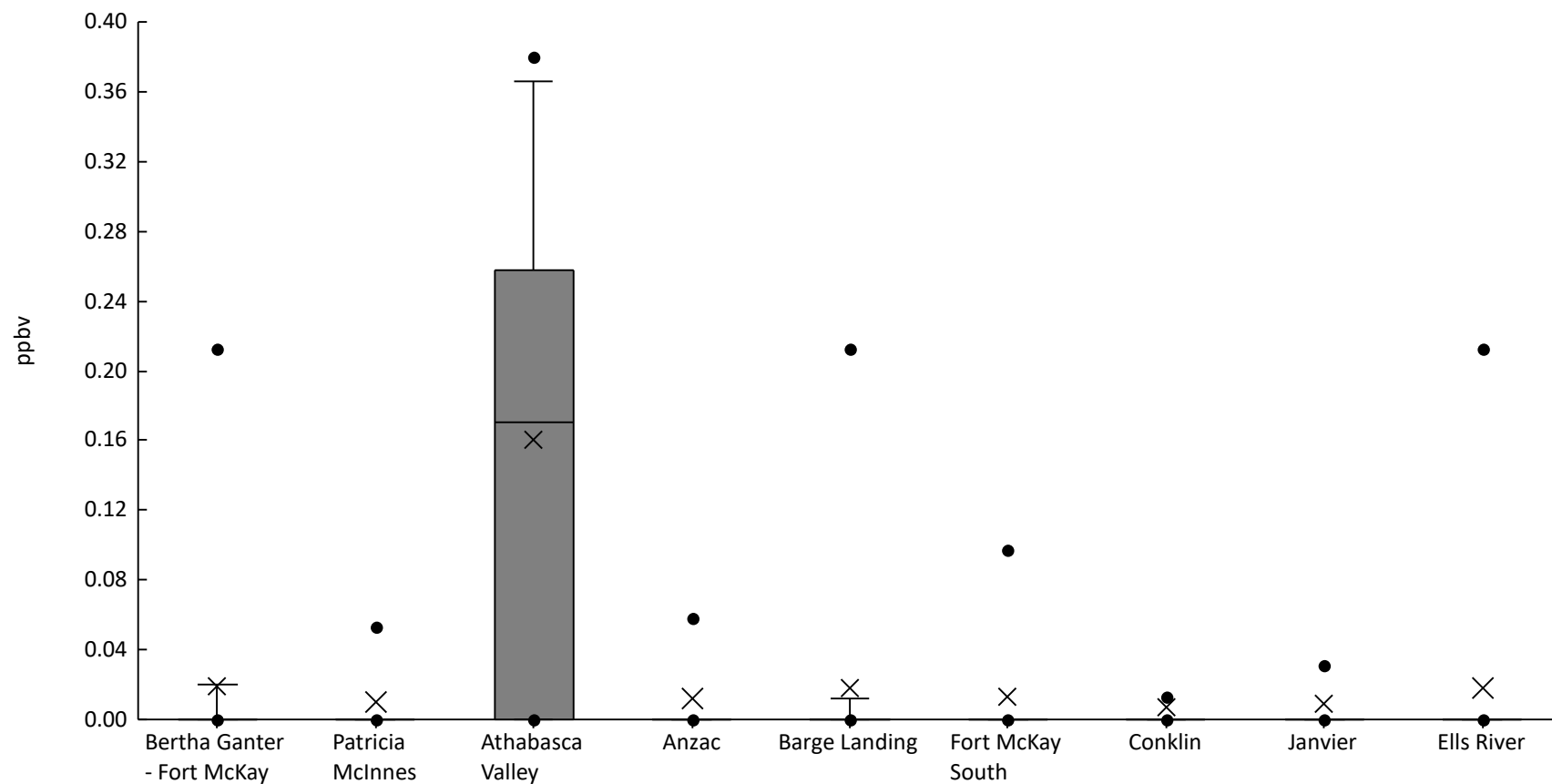
Legend description





Volatile Organic Compound Canister - 1,2,4-Trimethylbenzene (ppbv) - 2022

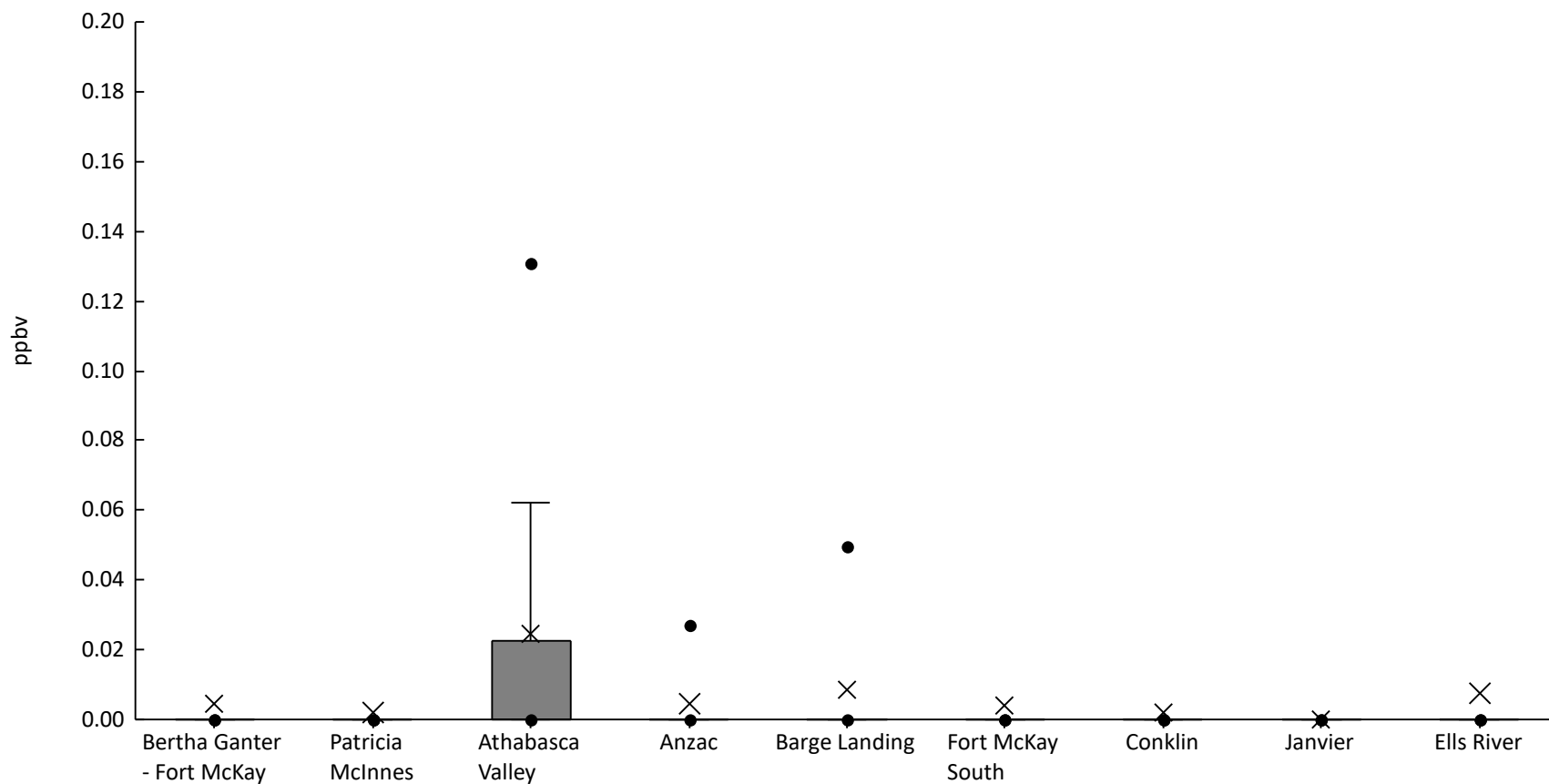
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	10%	0	0	0	0	0	0	0.02	0.21	0.31	0.019	0.067
AMS06	Patricia McInnes	61	8%	0	0	0	0	0	0	0	0.053	0.32	0.01	0.048
AMS07	Athabasca Valley	59	66%	0	0	0	0	0.17	0.26	0.37	0.38	0.56	0.16	0.14
AMS14	Anzac	61	7%	0	0	0	0	0	0	0	0.058	0.31	0.012	0.056
AMS09	Barge Landing	61	10%	0	0	0	0	0	0	0.012	0.21	0.31	0.018	0.064
AMS13	Fort McKay South	61	8%	0	0	0	0	0	0	0	0.097	0.31	0.013	0.053
AMS21	Conklin	61	5%	0	0	0	0	0	0	0	0.013	0.31	6.7E-3	0.041
AMS22	Janvier	61	5%	0	0	0	0	0	0	0	0.031	0.31	9.2E-3	0.046
AMS30	Ells River	61	8%	0	0	0	0	0	0	0	0.21	0.31	0.018	0.065





Volatile Organic Compound Canister - 1,3,5-Trimethylbenzene (ppbv) - 2022

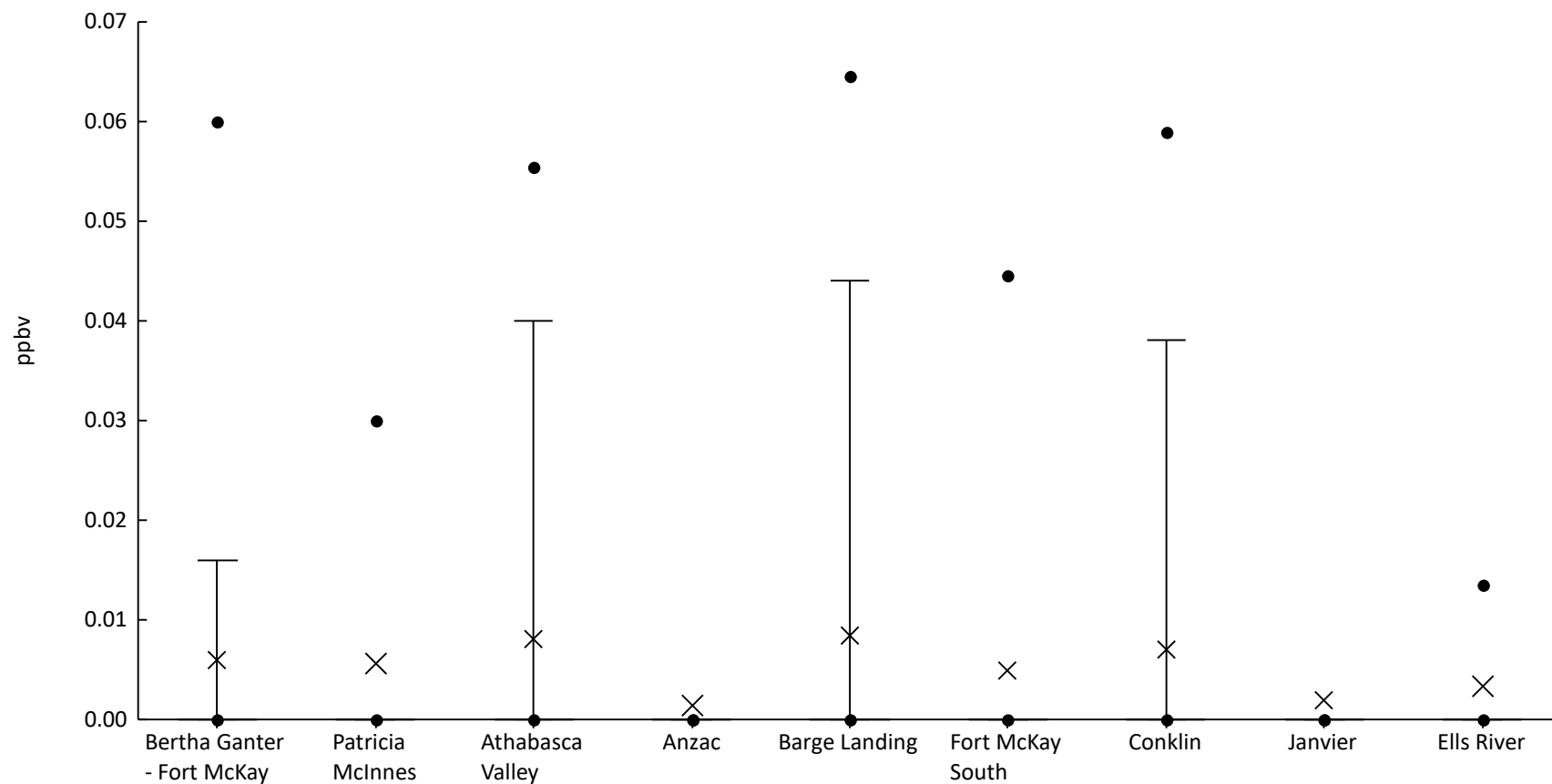
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	3%	0	0	0	0	0	0	0	0	0.15	4.3E-3	0.024
AMS06	Patricia McInnes	61	2%	0	0	0	0	0	0	0	0	0.12	2E-3	0.015
AMS07	Athabasca Valley	59	25%	0	0	0	0	0	0.023	0.062	0.13	0.47	0.025	0.069
AMS14	Anzac	61	5%	0	0	0	0	0	0	0	0.027	0.11	4.6E-3	0.021
AMS09	Barge Landing	61	5%	0	0	0	0	0	0	0	0.049	0.23	8.5E-3	0.039
AMS13	Fort McKay South	61	2%	0	0	0	0	0	0	0	0	0.23	3.8E-3	0.029
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.11	1.8E-3	0.014
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	3%	0	0	0	0	0	0	0	0	0.23	7.4E-3	0.04





Volatile Organic Compound Canister - 1,3-Butadiene (ppbv) - 2022

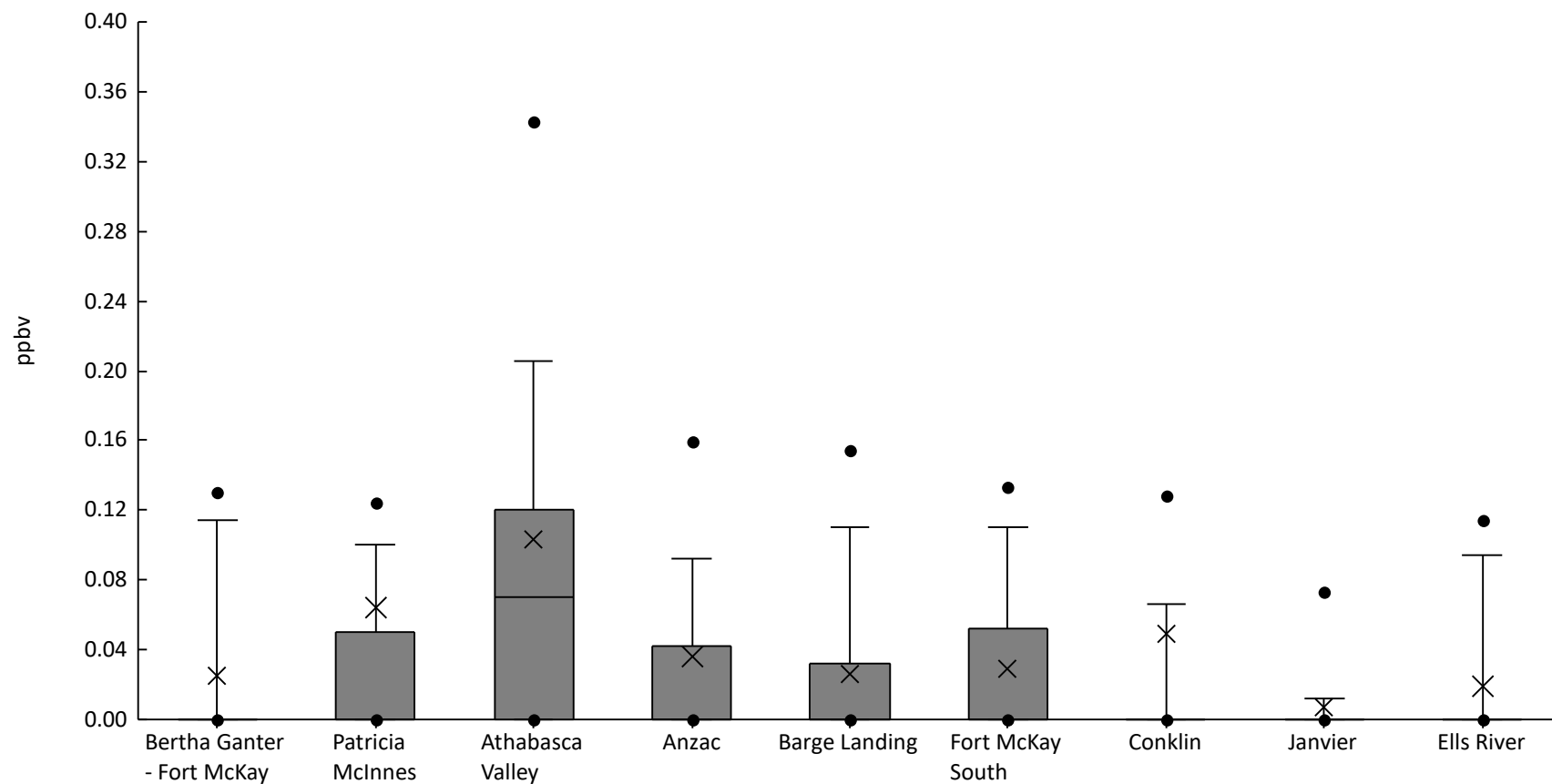
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	10%	0	0	0	0	0	0	0.016	0.06	0.09	5.9E-3	0.019
AMS06	Patricia McInnes	61	8%	0	0	0	0	0	0	0	0.03	0.19	5.6E-3	0.026
AMS07	Athabasca Valley	59	19%	0	0	0	0	0	0	0.04	0.056	0.07	8.1E-3	0.018
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.05	1.5E-3	8.1E-3
AMS09	Barge Landing	61	13%	0	0	0	0	0	0	0.044	0.064	0.12	8.4E-3	0.024
AMS13	Fort McKay South	61	8%	0	0	0	0	0	0	0	0.045	0.12	4.9E-3	0.019
AMS21	Conklin	61	13%	0	0	0	0	0	0	0.038	0.059	0.08	7E-3	0.019
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.06	2E-3	0.011
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.013	0.12	3.3E-3	0.017





Volatile Organic Compound Canister - 1-Pentene (ppbv) - 2022

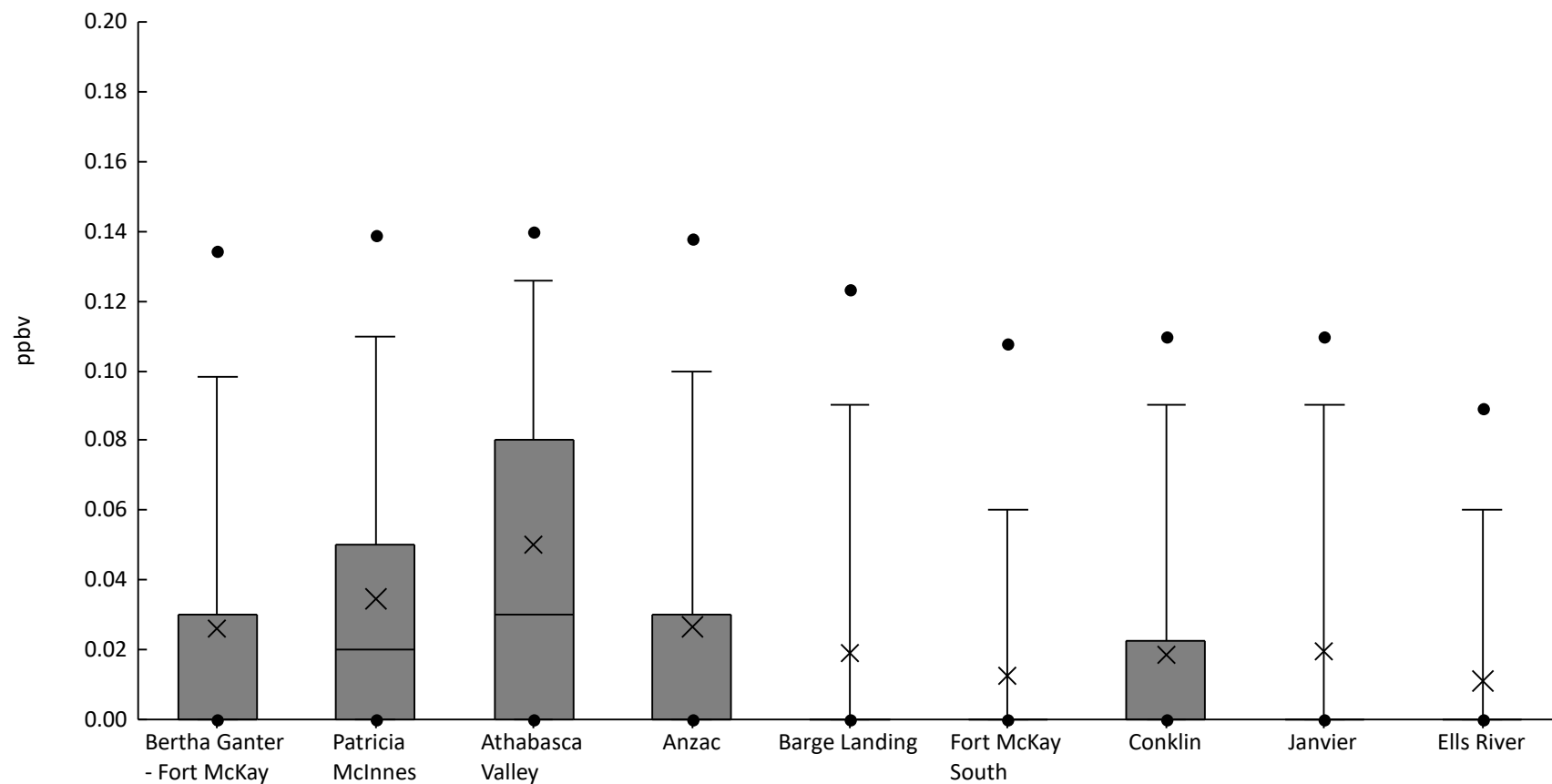
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	23%	0	0	0	0	0	0	0.11	0.13	0.22	0.025	0.05
AMS06	Patricia McInnes	61	30%	0	0	0	0	0	0.05	0.1	0.12	2.6	0.065	0.34
AMS07	Athabasca Valley	59	63%	0	0	0	0	0.07	0.12	0.21	0.34	1.2	0.1	0.18
AMS14	Anzac	61	26%	0	0	0	0	0	0.043	0.092	0.16	0.76	0.036	0.11
AMS09	Barge Landing	61	28%	0	0	0	0	0	0.033	0.11	0.15	0.19	0.026	0.049
AMS13	Fort McKay South	61	30%	0	0	0	0	0	0.053	0.11	0.13	0.25	0.029	0.053
AMS21	Conklin	61	13%	0	0	0	0	0	0	0.066	0.13	2.1	0.049	0.27
AMS22	Janvier	61	10%	0	0	0	0	0	0	0.012	0.073	0.1	6.7E-3	0.022
AMS30	Ells River	61	21%	0	0	0	0	0	0	0.094	0.11	0.18	0.019	0.042





Volatile Organic Compound Canister - 2,2,4-Trimethylpentane (ppbv) - 2022

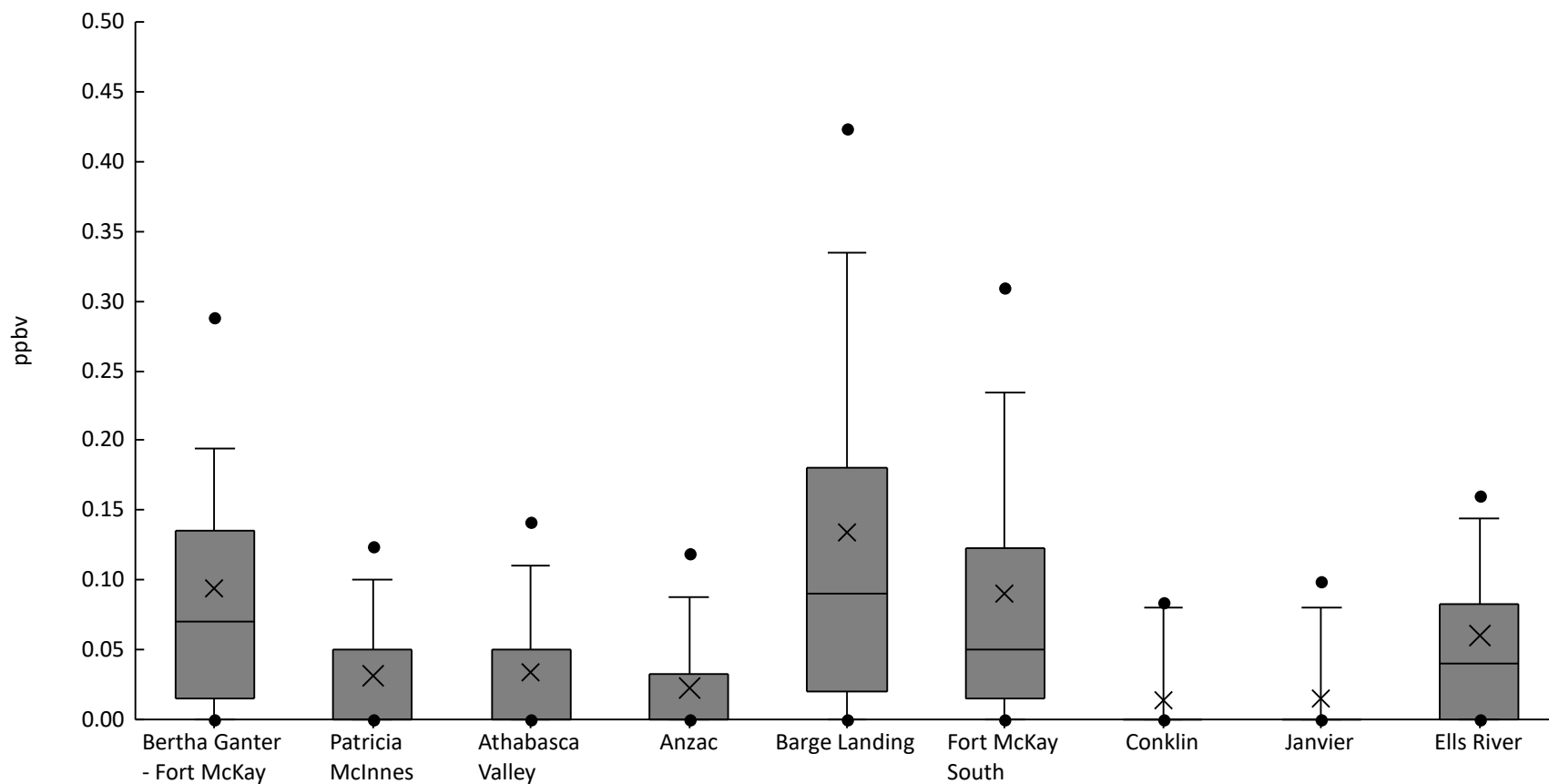
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	36%	0	0	0	0	0	0.03	0.098	0.13	0.2	0.026	0.046
AMS06	Patricia McInnes	61	51%	0	0	0	0	0.02	0.05	0.11	0.14	0.18	0.035	0.047
AMS07	Athabasca Valley	59	58%	0	0	0	0	0.03	0.08	0.13	0.14	0.4	0.05	0.073
AMS14	Anzac	61	33%	0	0	0	0	0	0.03	0.1	0.14	0.36	0.027	0.059
AMS09	Barge Landing	61	20%	0	0	0	0	0	0	0.09	0.12	0.26	0.019	0.047
AMS13	Fort McKay South	61	16%	0	0	0	0	0	0	0.06	0.11	0.13	0.012	0.033
AMS21	Conklin	61	30%	0	0	0	0	0	0.023	0.09	0.11	0.13	0.018	0.035
AMS22	Janvier	61	23%	0	0	0	0	0	0	0.09	0.11	0.16	0.02	0.041
AMS30	Ells River	61	11%	0	0	0	0	0	0	0.06	0.089	0.16	0.011	0.034





Volatile Organic Compound Canister - 2,2-Dimethylbutane (ppbv) - 2022

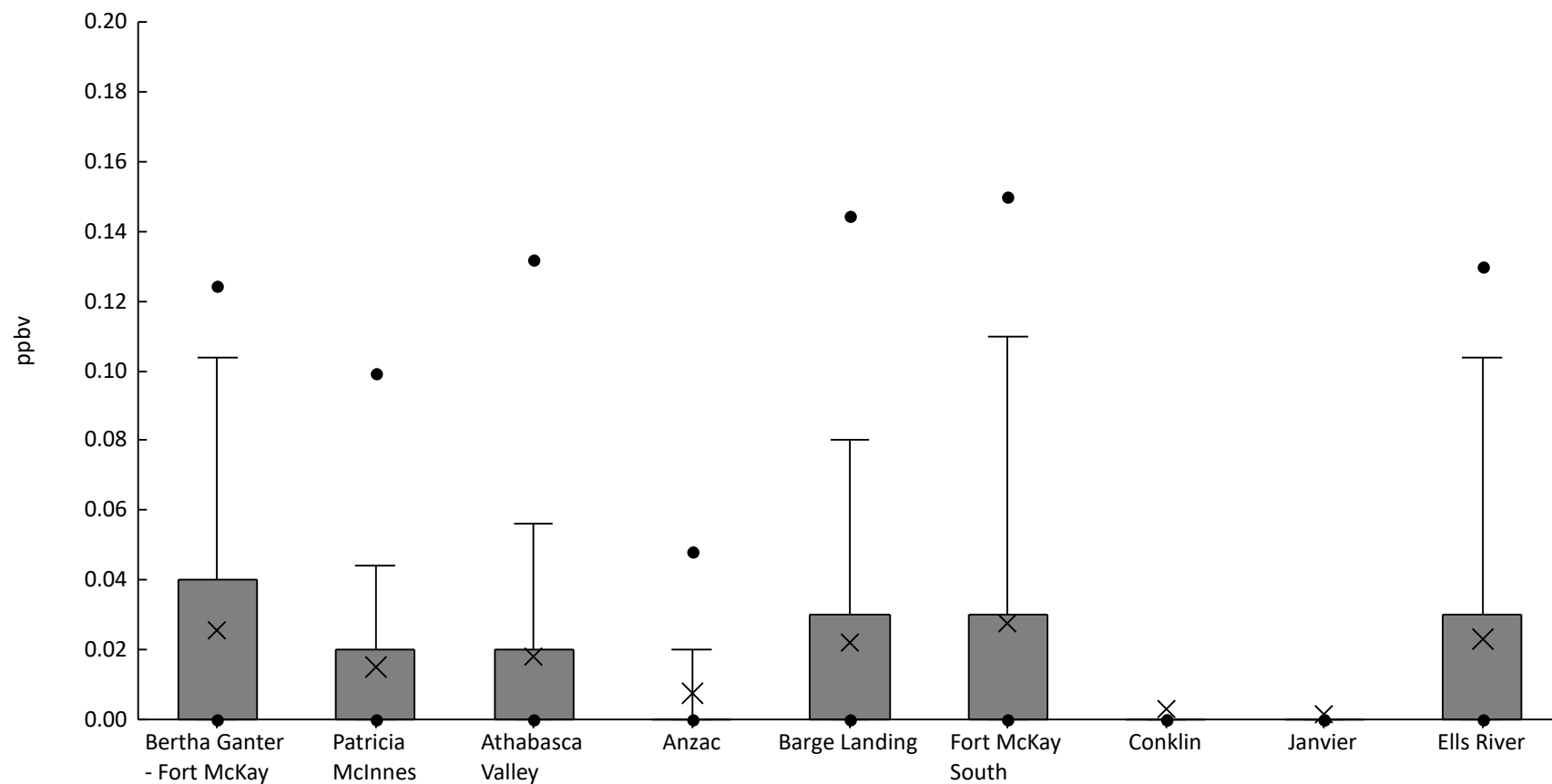
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	75%	0	0	0	0.015	0.07	0.14	0.19	0.29	0.53	0.094	0.1
AMS06	Patricia McInnes	61	38%	0	0	0	0	0	0.05	0.1	0.12	0.25	0.031	0.05
AMS07	Athabasca Valley	59	42%	0	0	0	0	0	0.05	0.11	0.14	0.23	0.034	0.052
AMS14	Anzac	61	33%	0	0	0	0	0	0.033	0.088	0.12	0.15	0.023	0.04
AMS09	Barge Landing	61	79%	0	0	0	0.02	0.09	0.18	0.33	0.42	1	0.13	0.17
AMS13	Fort McKay South	61	75%	0	0	0	0.015	0.05	0.12	0.23	0.31	0.44	0.09	0.1
AMS21	Conklin	61	21%	0	0	0	0	0	0	0.08	0.085	0.14	0.014	0.032
AMS22	Janvier	61	23%	0	0	0	0	0	0	0.08	0.099	0.14	0.015	0.034
AMS30	Ells River	61	74%	0	0	0	0	0.04	0.083	0.14	0.16	0.25	0.06	0.058





Volatile Organic Compound Canister - 2,3,4-Trimethylpentane (ppbv) - 2022

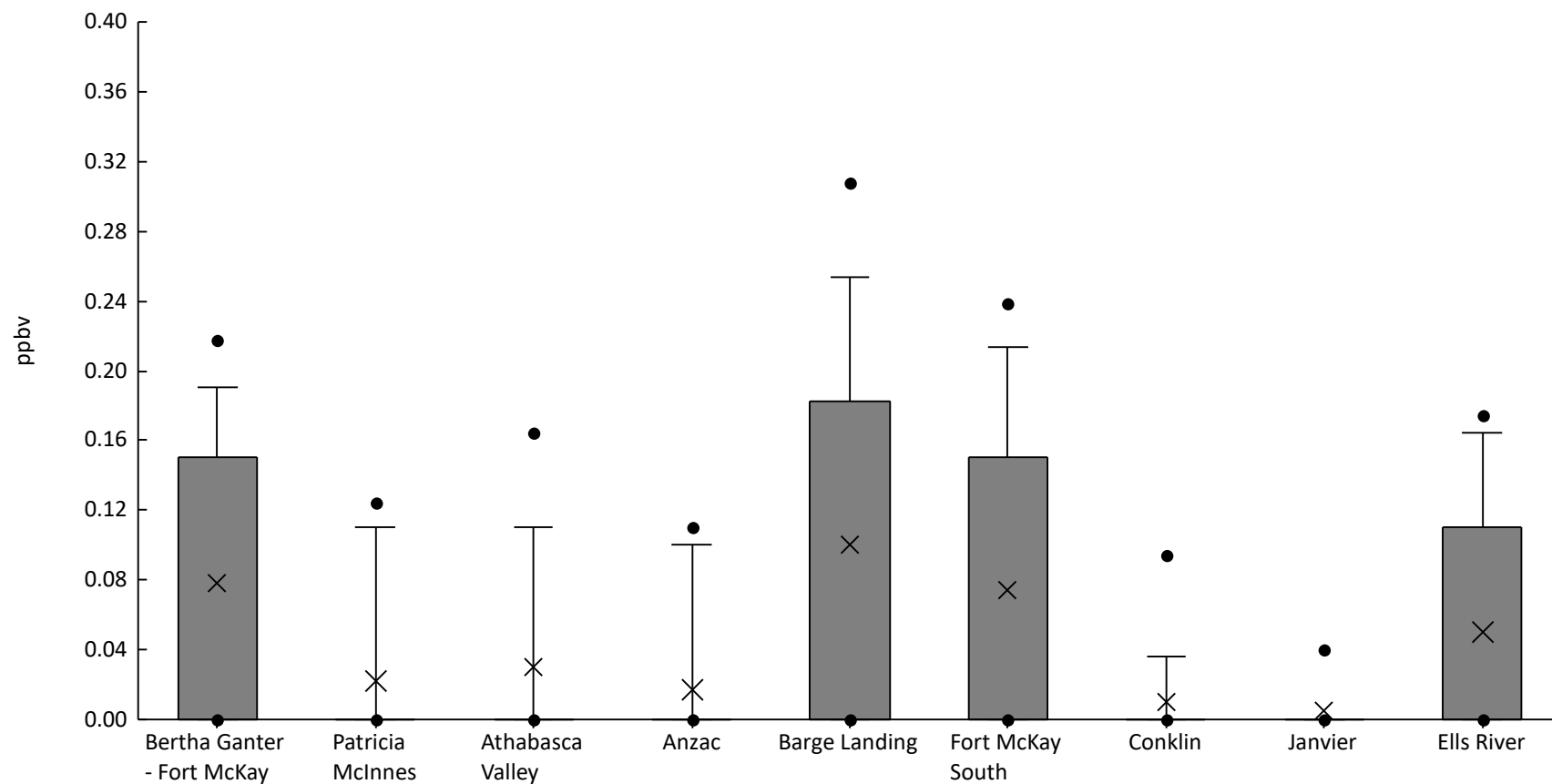
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	38%	0	0	0	0	0	0.04	0.1	0.12	0.16	0.026	0.042
AMS06	Patricia McInnes	61	30%	0	0	0	0	0	0.02	0.044	0.099	0.15	0.015	0.031
AMS07	Athabasca Valley	59	31%	0	0	0	0	0	0.02	0.056	0.13	0.17	0.018	0.039
AMS14	Anzac	61	15%	0	0	0	0	0	0	0.02	0.048	0.15	7.7E-3	0.026
AMS09	Barge Landing	61	31%	0	0	0	0	0	0.03	0.08	0.14	0.17	0.022	0.044
AMS13	Fort McKay South	61	38%	0	0	0	0	0	0.03	0.11	0.15	0.17	0.028	0.048
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.15	2.8E-3	0.019
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.05	1.3E-3	7.4E-3
AMS30	Ells River	61	38%	0	0	0	0	0	0.03	0.1	0.13	0.16	0.023	0.042





Volatile Organic Compound Canister - 2,3-Dimethylbutane (ppbv) - 2022

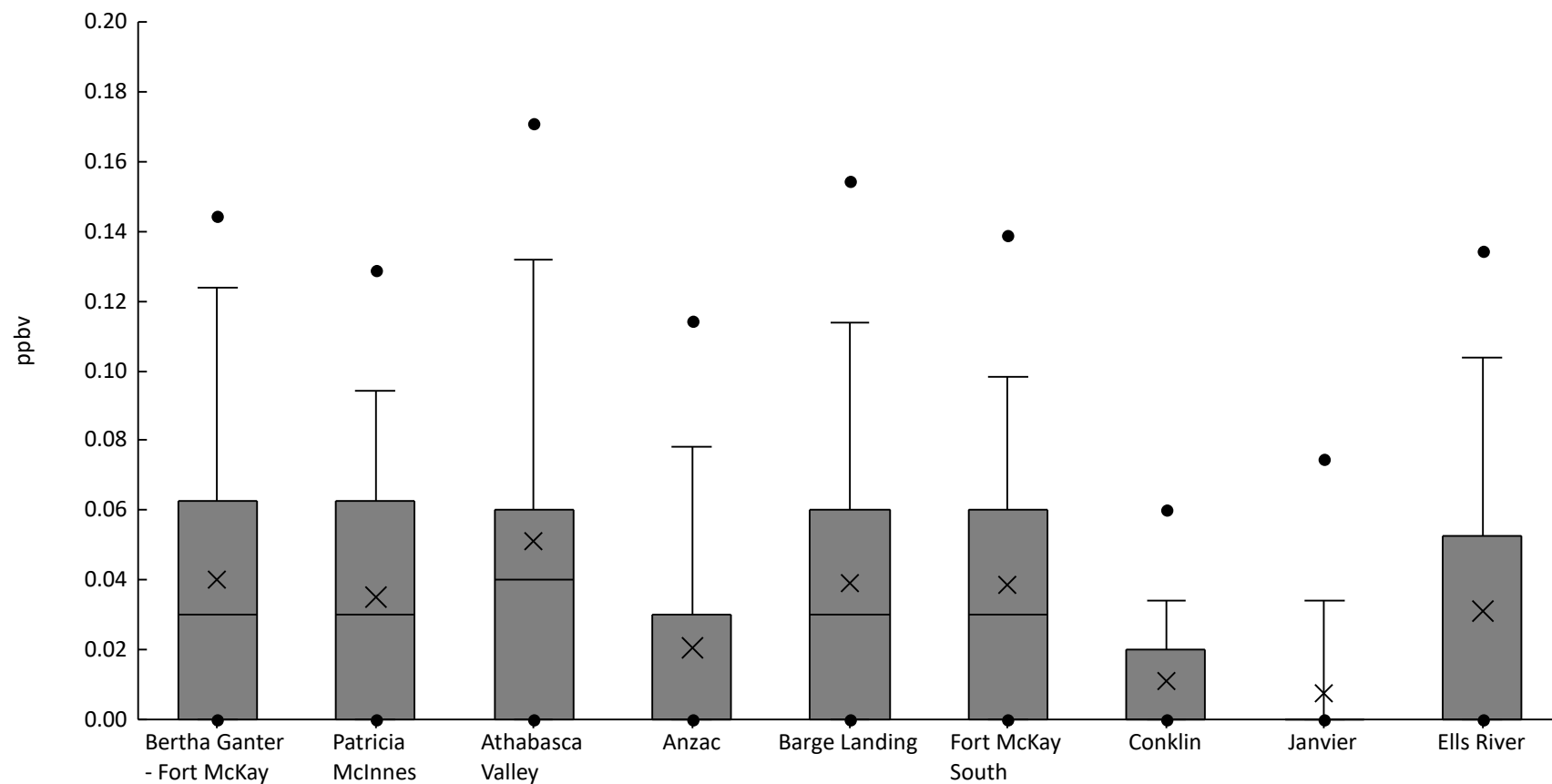
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	48%	0	0	0	0	0	0.15	0.19	0.22	0.35	0.078	0.09
AMS06	Patricia McInnes	61	18%	0	0	0	0	0	0	0.11	0.12	0.22	0.022	0.05
AMS07	Athabasca Valley	59	22%	0	0	0	0	0	0	0.11	0.16	0.27	0.03	0.061
AMS14	Anzac	61	15%	0	0	0	0	0	0	0.1	0.11	0.16	0.017	0.042
AMS09	Barge Landing	61	48%	0	0	0	0	0	0.18	0.25	0.31	0.57	0.1	0.13
AMS13	Fort McKay South	61	44%	0	0	0	0	0	0.15	0.21	0.24	0.27	0.074	0.09
AMS21	Conklin	61	10%	0	0	0	0	0	0	0.036	0.095	0.12	9.8E-3	0.03
AMS22	Janvier	61	5%	0	0	0	0	0	0	0	0.04	0.1	4.6E-3	0.02
AMS30	Ells River	61	36%	0	0	0	0	0	0.11	0.16	0.17	0.19	0.05	0.07





Volatile Organic Compound Canister - 2,3-Dimethylpentane (ppbv) - 2022

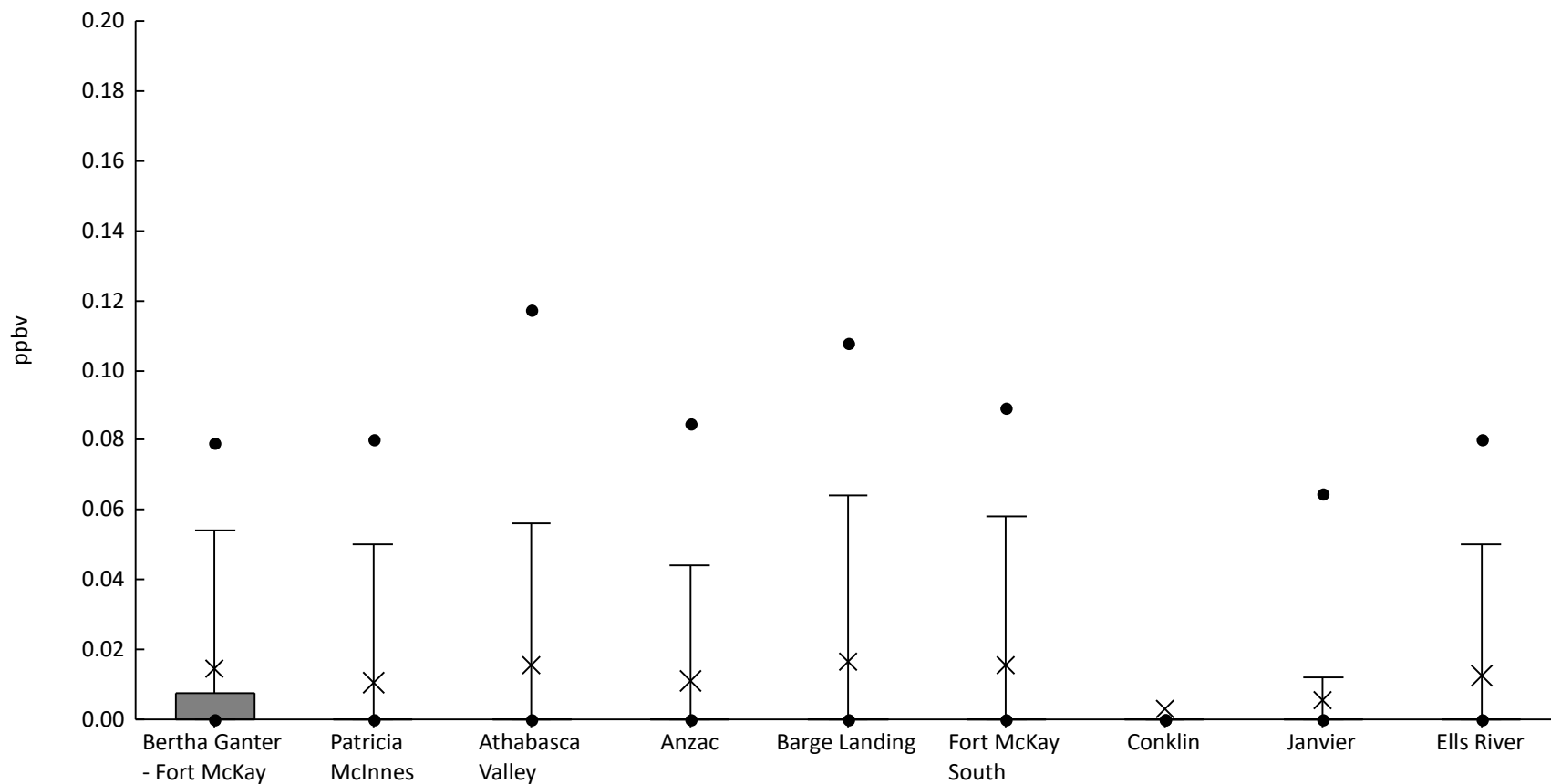
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	56%	0	0	0	0	0.03	0.063	0.12	0.14	0.17	0.04	0.049
AMS06	Patricia McInnes	61	51%	0	0	0	0	0.03	0.063	0.094	0.13	0.17	0.035	0.044
AMS07	Athabasca Valley	59	61%	0	0	0	0	0.04	0.06	0.13	0.17	0.35	0.051	0.071
AMS14	Anzac	61	33%	0	0	0	0	0	0.03	0.078	0.11	0.16	0.02	0.039
AMS09	Barge Landing	61	54%	0	0	0	0	0.03	0.06	0.11	0.15	0.22	0.039	0.051
AMS13	Fort McKay South	61	56%	0	0	0	0	0.03	0.06	0.098	0.14	0.19	0.039	0.046
AMS21	Conklin	61	26%	0	0	0	0	0	0.02	0.034	0.06	0.13	0.011	0.024
AMS22	Janvier	61	13%	0	0	0	0	0	0	0.034	0.075	0.1	7.7E-3	0.022
AMS30	Ells River	61	43%	0	0	0	0	0	0.053	0.1	0.13	0.2	0.031	0.047





Volatile Organic Compound Canister - 2,4-Dimethylpentane (ppbv) - 2022

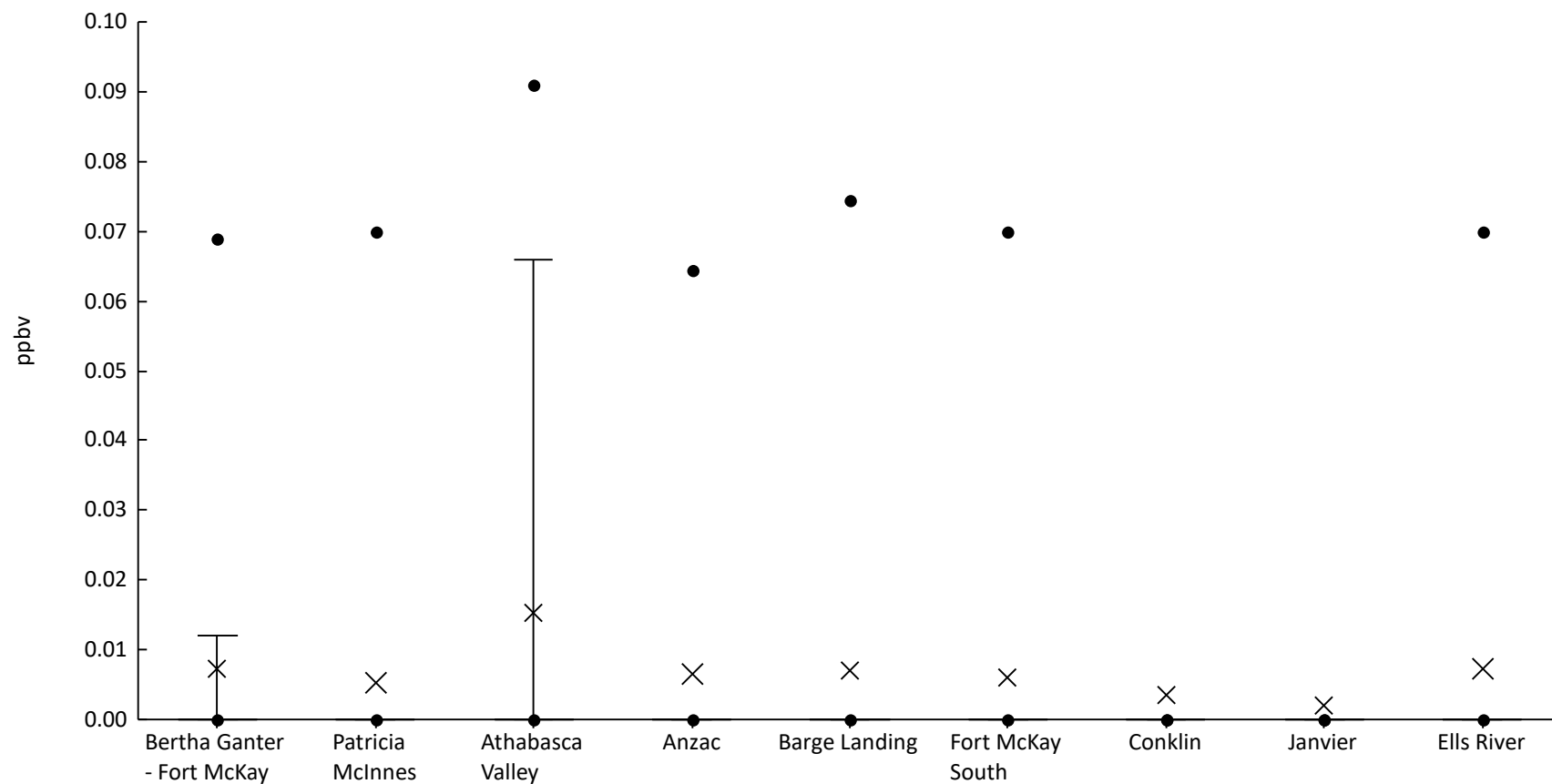
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	25%	0	0	0	0	0	7.5E-3	0.054	0.079	0.14	0.015	0.029
AMS06	Patricia McInnes	61	16%	0	0	0	0	0	0	0.05	0.08	0.15	0.011	0.028
AMS07	Athabasca Valley	59	20%	0	0	0	0	0	0	0.056	0.12	0.18	0.016	0.038
AMS14	Anzac	61	11%	0	0	0	0	0	0	0.044	0.085	0.19	0.011	0.036
AMS09	Barge Landing	61	23%	0	0	0	0	0	0	0.064	0.11	0.14	0.017	0.036
AMS13	Fort McKay South	61	18%	0	0	0	0	0	0	0.058	0.089	0.26	0.015	0.043
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.11	3E-3	0.017
AMS22	Janvier	61	10%	0	0	0	0	0	0	0.012	0.064	0.08	5.7E-3	0.018
AMS30	Ells River	61	18%	0	0	0	0	0	0	0.05	0.08	0.14	0.012	0.031





Volatile Organic Compound Canister - 2-Methyl-2-butene (ppbv) - 2022

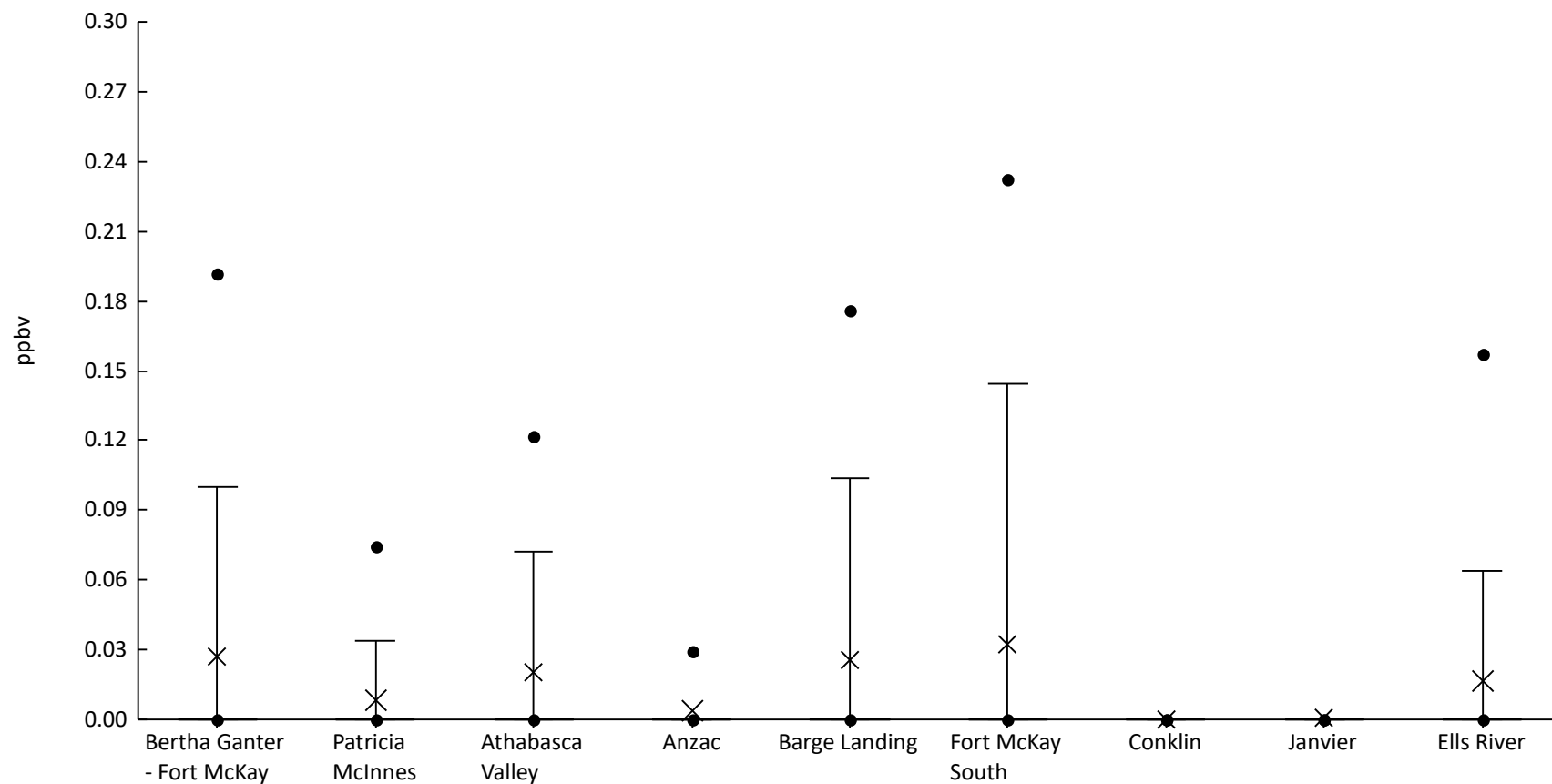
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	10%	0	0	0	0	0	0	0.012	0.069	0.13	7.4E-3	0.025
AMS06	Patricia McInnes	61	8%	0	0	0	0	0	0	0	0.07	0.09	5.2E-3	0.019
AMS07	Athabasca Valley	59	20%	0	0	0	0	0	0	0.066	0.091	0.19	0.015	0.037
AMS14	Anzac	61	8%	0	0	0	0	0	0	0	0.064	0.14	6.6E-3	0.025
AMS09	Barge Landing	61	8%	0	0	0	0	0	0	0	0.075	0.14	7E-3	0.025
AMS13	Fort McKay South	61	8%	0	0	0	0	0	0	0	0.07	0.14	6.1E-3	0.023
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.15	3.6E-3	0.021
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.07	2E-3	0.011
AMS30	Ells River	61	8%	0	0	0	0	0	0	0	0.07	0.13	7.4E-3	0.026





Volatile Organic Compound Canister - 2-Methylheptane (ppbv) - 2022

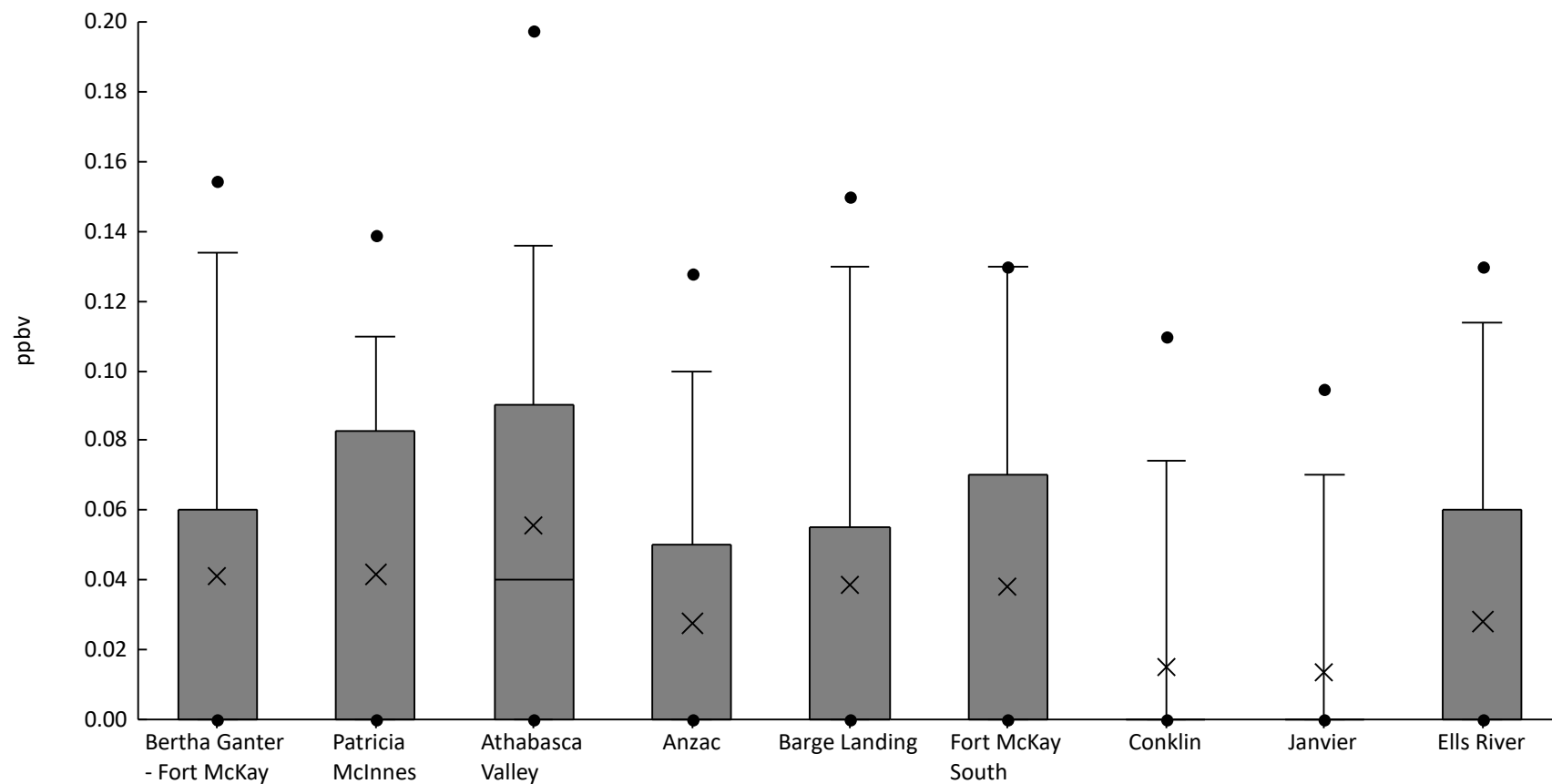
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	20%	0	0	0	0	0	0	0.1	0.19	0.36	0.027	0.069
AMS06	Patricia McInnes	61	11%	0	0	0	0	0	0	0.034	0.075	0.13	8E-3	0.025
AMS07	Athabasca Valley	59	15%	0	0	0	0	0	0	0.072	0.12	0.38	0.02	0.063
AMS14	Anzac	61	7%	0	0	0	0	0	0	0	0.029	0.1	3.4E-3	0.015
AMS09	Barge Landing	61	21%	0	0	0	0	0	0	0.1	0.18	0.41	0.026	0.07
AMS13	Fort McKay South	61	21%	0	0	0	0	0	0	0.14	0.23	0.31	0.032	0.075
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.03	4.9E-4	3.8E-3
AMS30	Ells River	61	11%	0	0	0	0	0	0	0.064	0.16	0.26	0.017	0.054





Volatile Organic Compound Canister - 2-Methylhexane (ppbv) - 2022

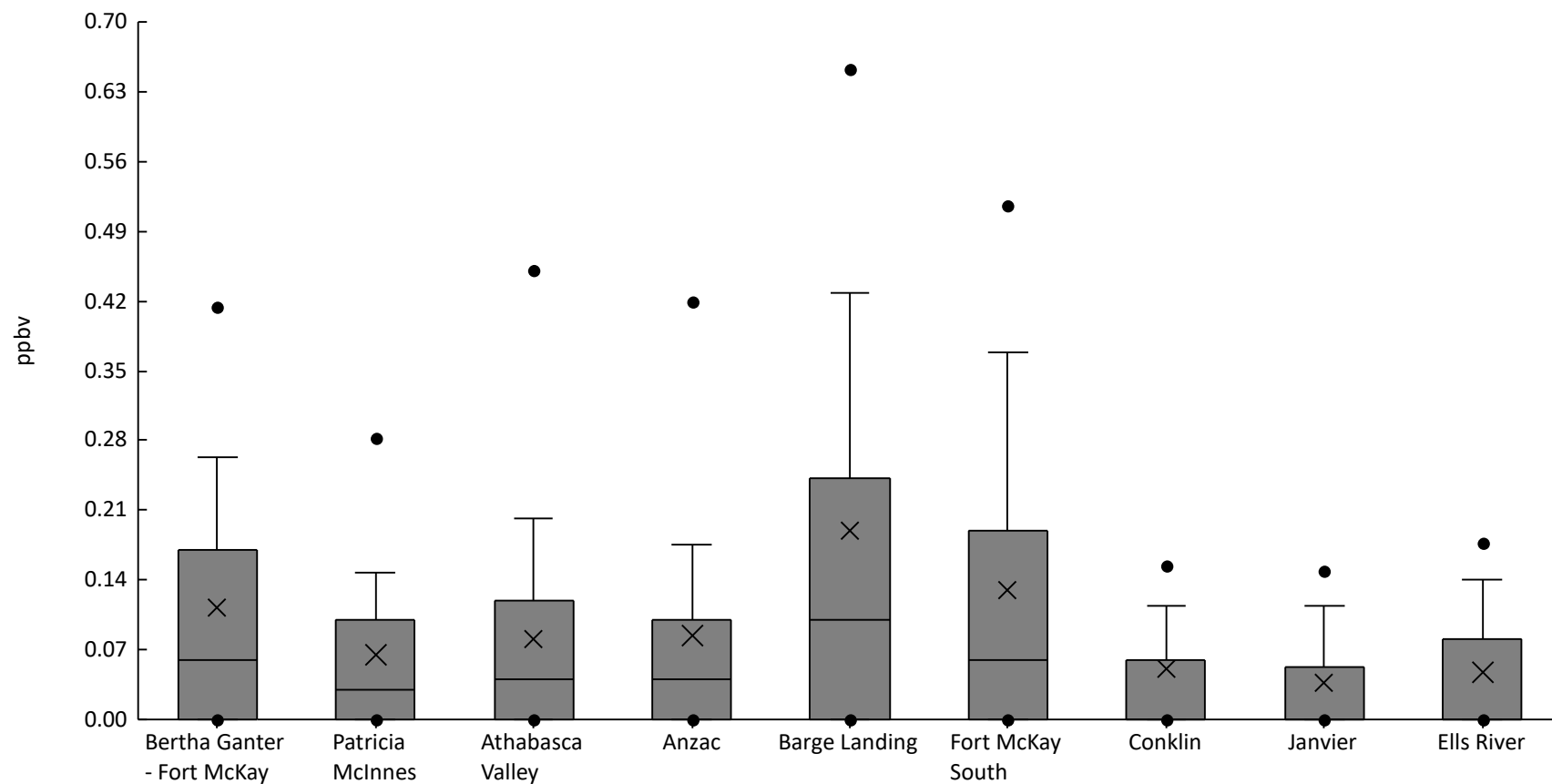
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	46%	0	0	0	0	0	0.06	0.13	0.15	0.17	0.041	0.055
AMS06	Patricia McInnes	61	49%	0	0	0	0	0	0.083	0.11	0.14	0.17	0.042	0.05
AMS07	Athabasca Valley	59	59%	0	0	0	0	0.04	0.09	0.14	0.2	0.26	0.056	0.065
AMS14	Anzac	61	33%	0	0	0	0	0	0.05	0.1	0.13	0.17	0.028	0.046
AMS09	Barge Landing	61	43%	0	0	0	0	0	0.055	0.13	0.15	0.2	0.038	0.054
AMS13	Fort McKay South	61	43%	0	0	0	0	0	0.07	0.13	0.13	0.17	0.038	0.051
AMS21	Conklin	61	18%	0	0	0	0	0	0	0.074	0.11	0.13	0.015	0.035
AMS22	Janvier	61	18%	0	0	0	0	0	0	0.07	0.095	0.1	0.014	0.031
AMS30	Ells River	61	28%	0	0	0	0	0	0.06	0.11	0.13	0.18	0.028	0.05





Volatile Organic Compound Canister - 2-Methylpentane (ppbv) - 2022

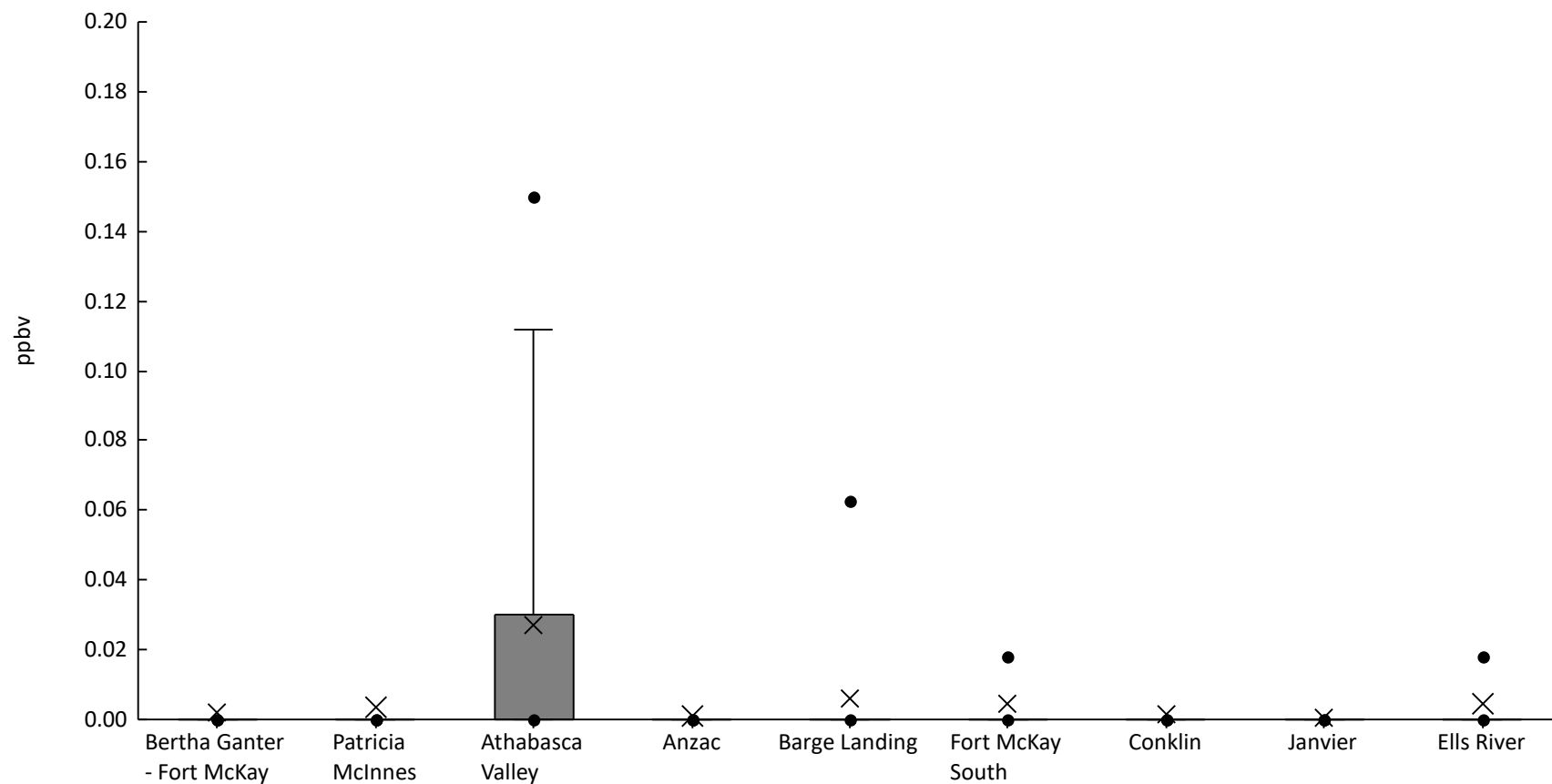
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	61%	0	0	0	0	0.06	0.17	0.26	0.41	0.94	0.11	0.16
AMS06	Patricia McInnes	61	56%	0	0	0	0	0.03	0.1	0.15	0.28	0.66	0.066	0.11
AMS07	Athabasca Valley	59	59%	0	0	0	0	0.04	0.12	0.2	0.45	0.48	0.081	0.12
AMS14	Anzac	61	57%	0	0	0	0	0.04	0.1	0.18	0.42	0.86	0.084	0.15
AMS09	Barge Landing	61	74%	0	0	0	0	0.1	0.24	0.43	0.65	1.7	0.19	0.28
AMS13	Fort McKay South	61	66%	0	0	0	0	0.06	0.19	0.37	0.52	1.2	0.13	0.2
AMS21	Conklin	61	48%	0	0	0	0	0	0.06	0.11	0.15	0.71	0.052	0.12
AMS22	Janvier	61	38%	0	0	0	0	0	0.053	0.11	0.15	0.32	0.037	0.067
AMS30	Ells River	61	44%	0	0	0	0	0	0.08	0.14	0.18	0.42	0.048	0.079





Volatile Organic Compound Canister - 3-Methyl-1-butene (ppbv) - 2022

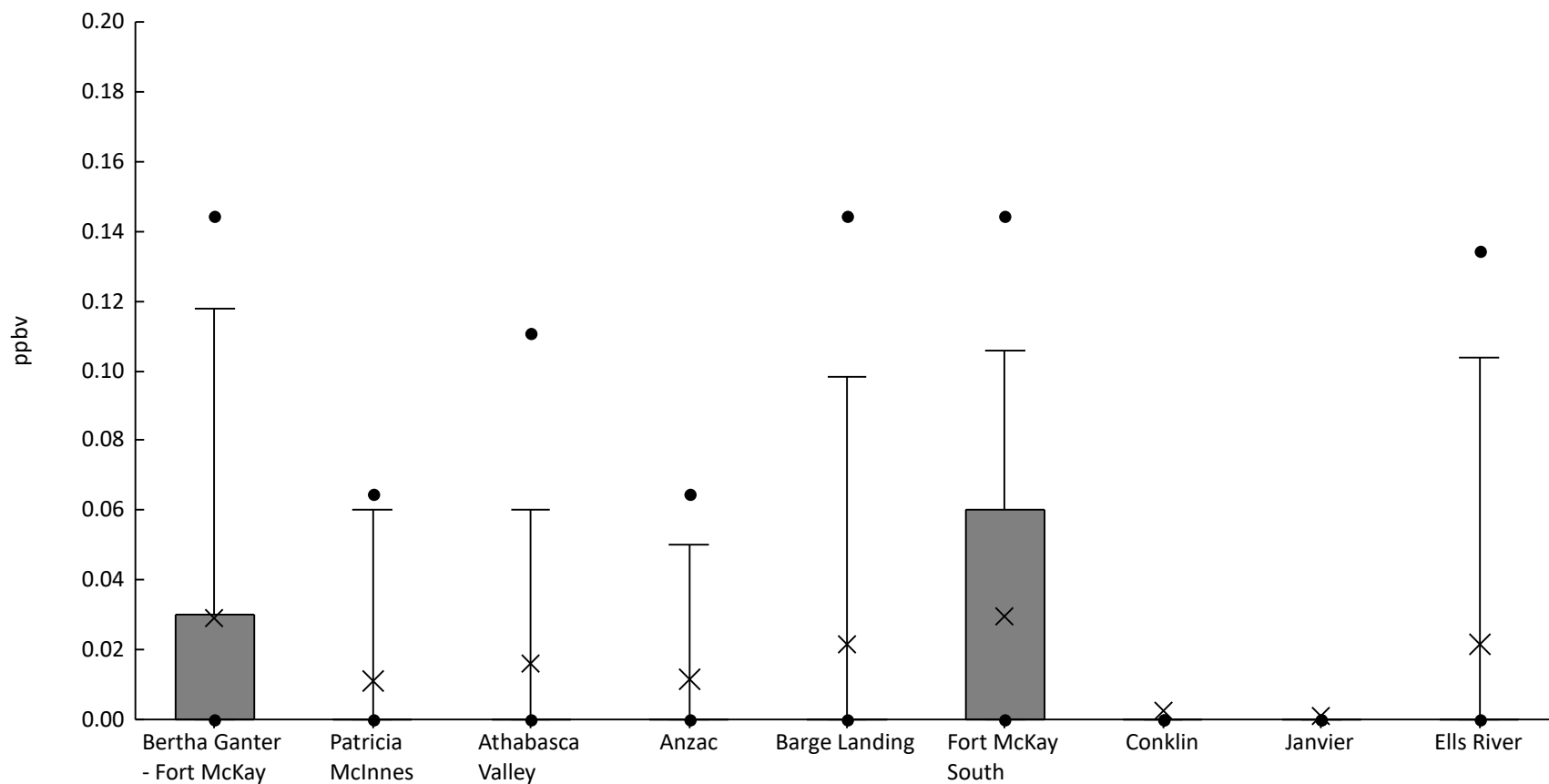
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	3%	0	0	0	0	0	0	0	0	0.09	2.1E-3	0.013
AMS06	Patricia McInnes	61	3%	0	0	0	0	0	0	0	0	0.19	3.6E-3	0.025
AMS07	Athabasca Valley	59	34%	0	0	0	0	0	0.03	0.11	0.15	0.21	0.027	0.05
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3
AMS09	Barge Landing	61	7%	0	0	0	0	0	0	0	0.062	0.14	5.9E-3	0.024
AMS13	Fort McKay South	61	5%	0	0	0	0	0	0	0	0.018	0.14	4.4E-3	0.022
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.09	1.5E-3	0.012
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.04	6.6E-4	5.1E-3
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.018	0.14	4.4E-3	0.022





Volatile Organic Compound Canister - 3-Methylheptane (ppbv) - 2022

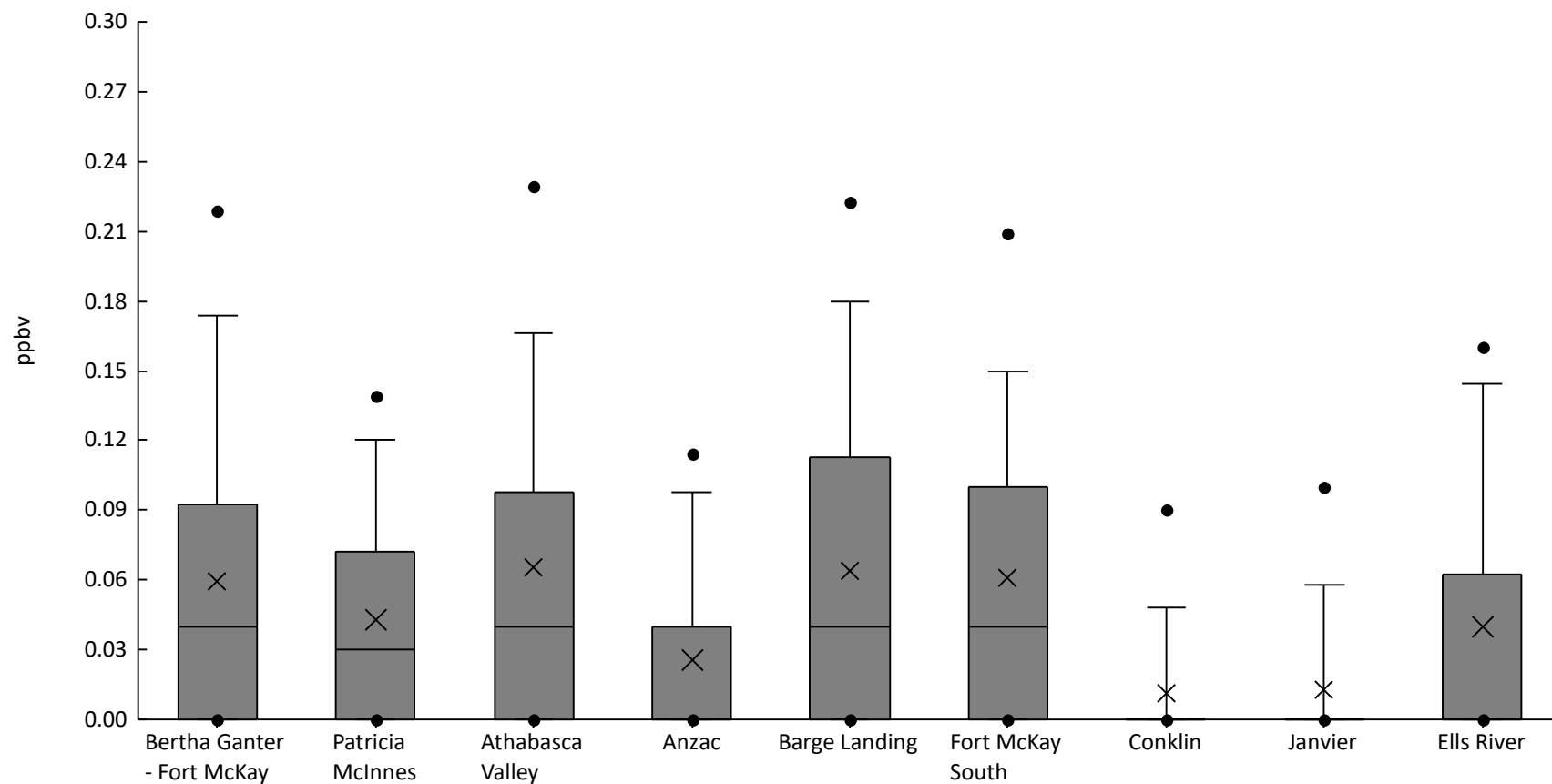
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	28%	0	0	0	0	0	0.03	0.12	0.14	0.27	0.029	0.056
AMS06	Patricia McInnes	61	18%	0	0	0	0	0	0	0.06	0.064	0.1	0.011	0.025
AMS07	Athabasca Valley	59	24%	0	0	0	0	0	0	0.06	0.11	0.12	0.016	0.033
AMS14	Anzac	61	13%	0	0	0	0	0	0	0.05	0.064	0.27	0.011	0.039
AMS09	Barge Landing	61	20%	0	0	0	0	0	0	0.098	0.14	0.26	0.021	0.053
AMS13	Fort McKay South	61	31%	0	0	0	0	0	0.06	0.11	0.14	0.27	0.03	0.054
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.1	2.6E-3	0.015
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.06	9.8E-4	7.7E-3
AMS30	Ells River	61	21%	0	0	0	0	0	0	0.1	0.13	0.14	0.022	0.045





Volatile Organic Compound Canister - 3-Methylhexane (ppbv) - 2022

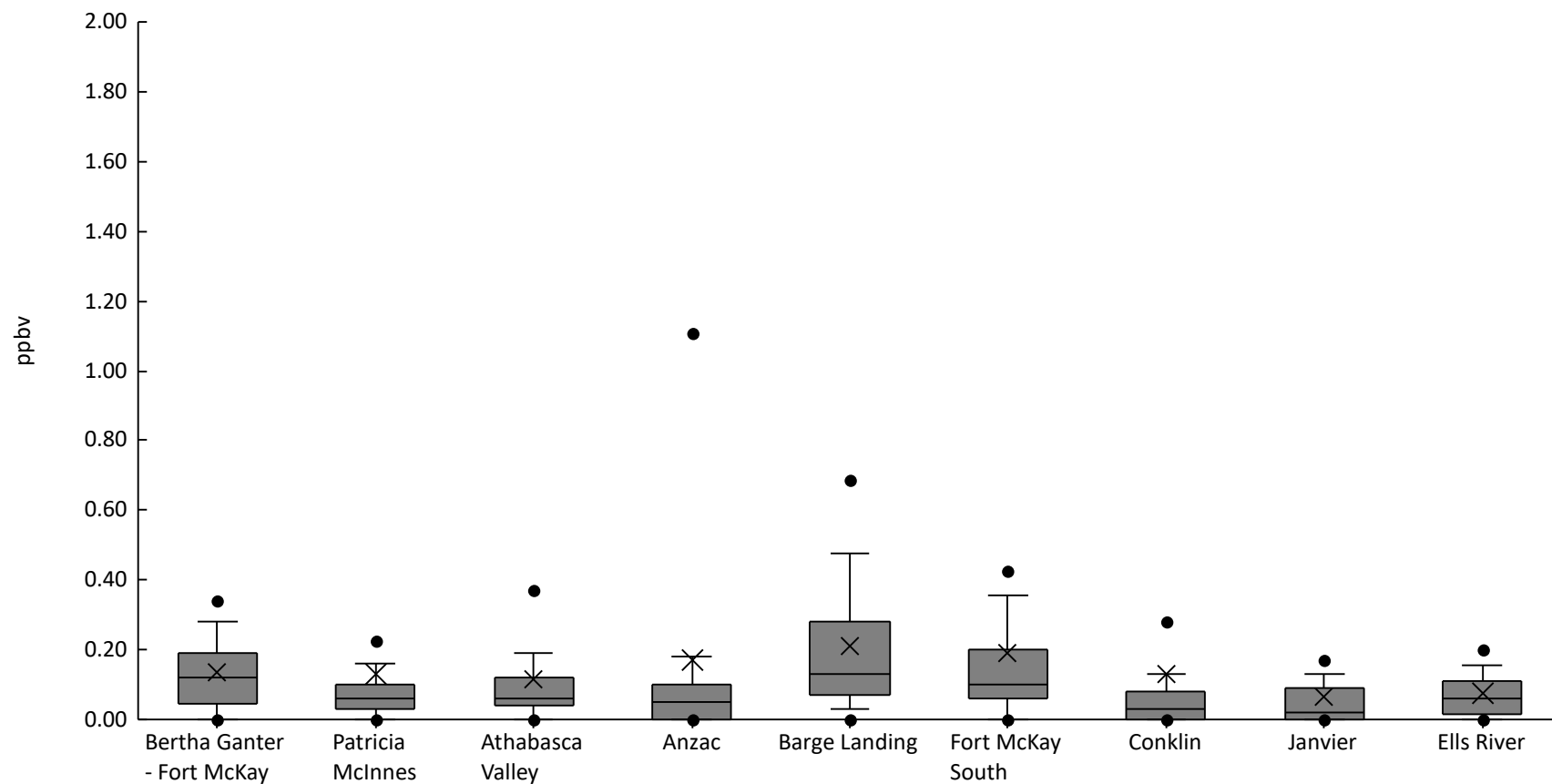
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	56%	0	0	0	0	0.04	0.093	0.17	0.22	0.31	0.06	0.076
AMS06	Patricia McInnes	61	56%	0	0	0	0	0.03	0.073	0.12	0.14	0.18	0.043	0.05
AMS07	Athabasca Valley	59	66%	0	0	0	0	0.04	0.098	0.17	0.23	0.37	0.066	0.079
AMS14	Anzac	61	41%	0	0	0	0	0	0.04	0.098	0.11	0.17	0.026	0.041
AMS09	Barge Landing	61	61%	0	0	0	0	0.04	0.11	0.18	0.22	0.28	0.064	0.077
AMS13	Fort McKay South	61	57%	0	0	0	0	0.04	0.1	0.15	0.21	0.29	0.061	0.071
AMS21	Conklin	61	20%	0	0	0	0	0	0	0.048	0.09	0.11	0.011	0.027
AMS22	Janvier	61	21%	0	0	0	0	0	0	0.058	0.1	0.11	0.013	0.03
AMS30	Ells River	61	43%	0	0	0	0	0	0.063	0.14	0.16	0.26	0.04	0.062





Volatile Organic Compound Canister - 3-Methylpentane (ppbv) - 2022

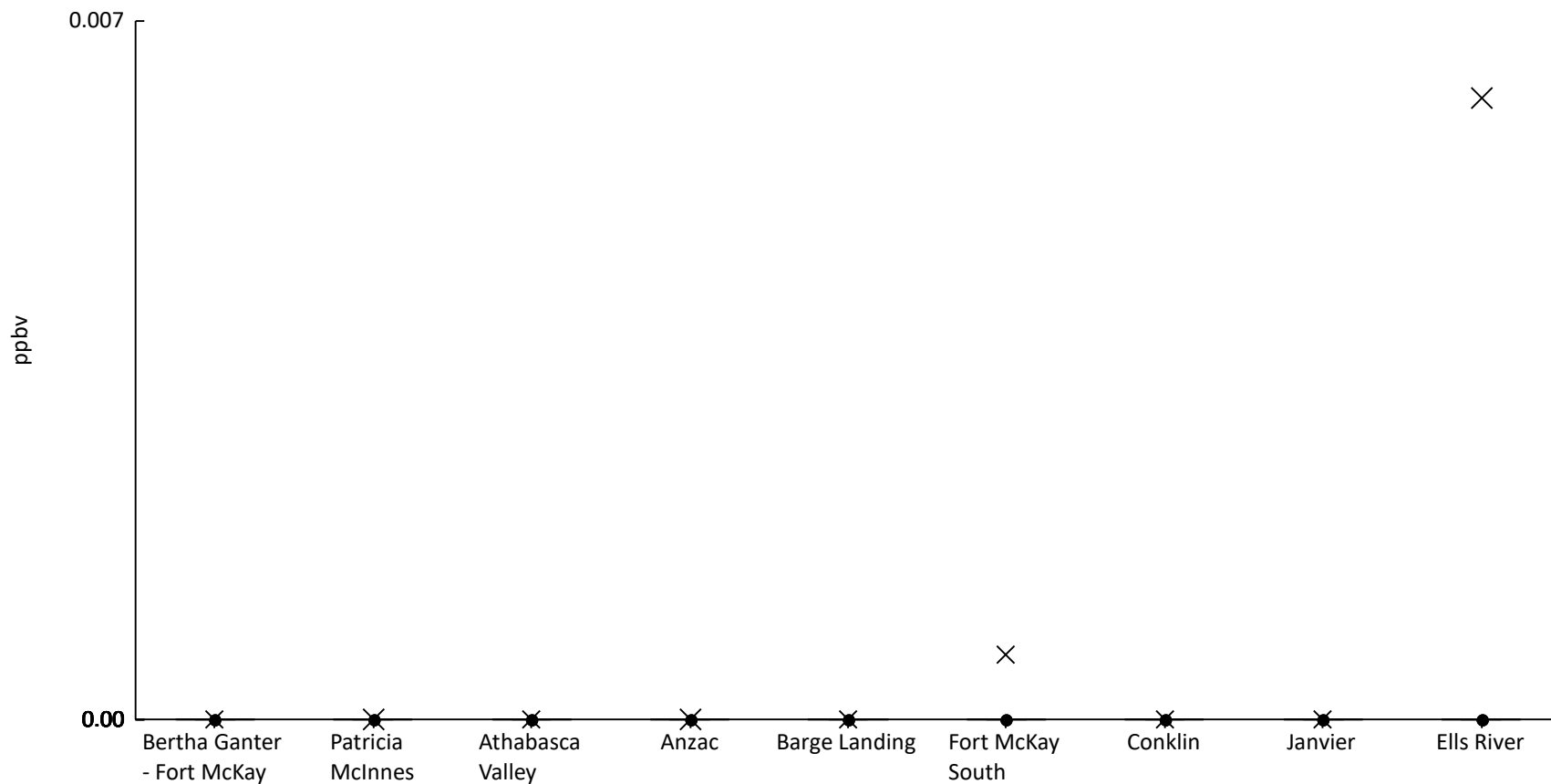
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	87%	0	0	0	0.048	0.12	0.19	0.28	0.34	0.83	0.13	0.13
AMS06	Patricia McInnes	61	82%	0	0	0	0.03	0.06	0.1	0.16	0.22	2.9	0.13	0.4
AMS07	Athabasca Valley	59	86%	0	0	0	0.04	0.06	0.12	0.19	0.37	1.5	0.11	0.2
AMS14	Anzac	61	74%	0	0	0	0	0.05	0.1	0.18	1.1	2.4	0.17	0.46
AMS09	Barge Landing	61	93%	0	0	0.03	0.07	0.13	0.28	0.47	0.69	1.3	0.21	0.23
AMS13	Fort McKay South	61	89%	0	0	0	0.06	0.1	0.2	0.36	0.43	3.1	0.19	0.4
AMS21	Conklin	61	72%	0	0	0	0	0.03	0.083	0.13	0.28	2.6	0.13	0.43
AMS22	Janvier	61	57%	0	0	0	0	0.02	0.09	0.13	0.17	0.96	0.067	0.15
AMS30	Ells River	61	75%	0	0	0	0.015	0.06	0.11	0.15	0.2	0.3	0.073	0.067





Volatile Organic Compound Canister - 4-Methyl-1-pentene (ppbv) - 2022

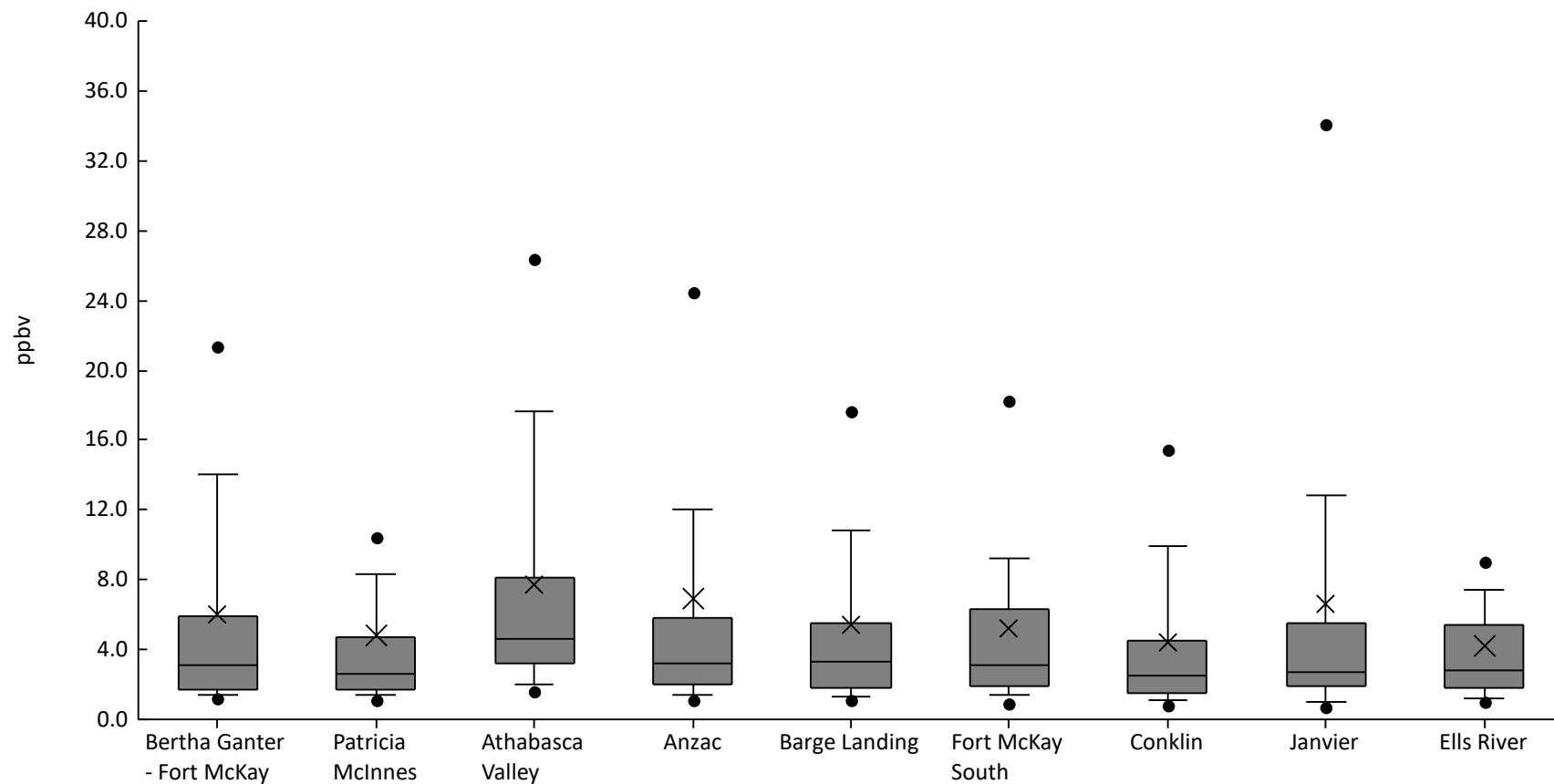
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	61	2%	0	0	0	0	0	0	0	0	0.04	6.6E-4	5.1E-3
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	3%	0	0	0	0	0	0	0	0	0.27	6.2E-3	0.037





Volatile Organic Compound Canister - Acetaldehyde (ppbv) - 2022

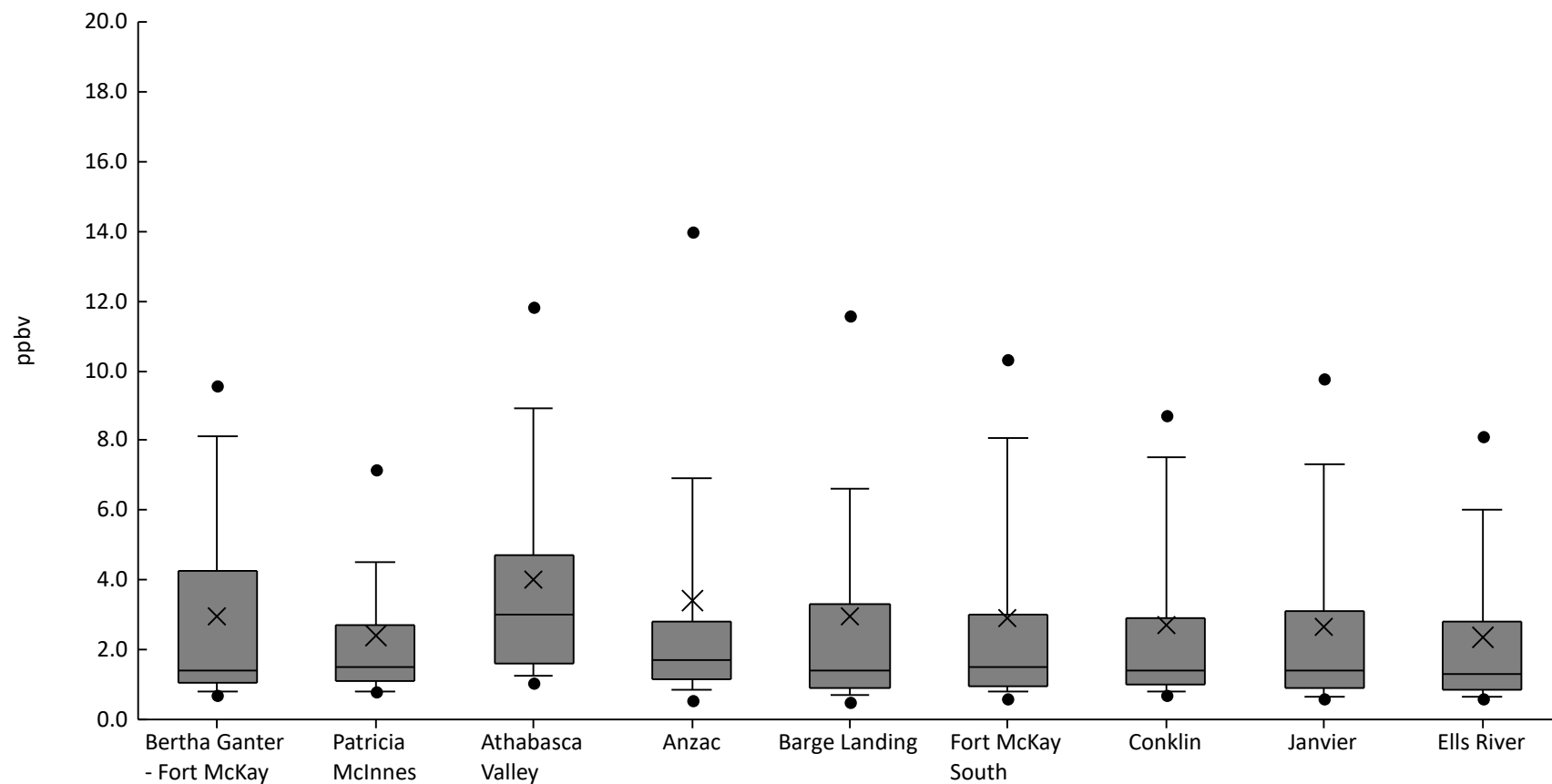
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	1.2	1.4	1.7	3.1	5.9	14	21	57	6	8.6
AMS06	Patricia McInnes	61	98%	0	1.1	1.4	1.7	2.6	4.7	8.3	10	74	4.8	9.5
AMS07	Athabasca Valley	59	98%	0	1.6	2	3.2	4.6	8.1	18	26	49	7.7	9.5
AMS14	Anzac	61	98%	0	1.1	1.4	2	3.2	5.9	12	24	102	7	14
AMS09	Barge Landing	61	98%	0	1.1	1.3	1.9	3.3	5.6	11	18	45	5.4	7.1
AMS13	Fort McKay South	61	97%	0	0.87	1.4	1.9	3.1	6.3	9.3	18	41	5.2	6.7
AMS21	Conklin	61	98%	0	0.76	1.1	1.5	2.5	4.5	10	15	40	4.4	5.9
AMS22	Janvier	61	97%	0	0.71	0.96	1.9	2.7	5.5	13	34	65	6.6	12
AMS30	Ells River	61	98%	0	1	1.2	1.8	2.8	5.4	7.4	9	32	4.2	4.9





Volatile Organic Compound Canister - Acetone (ppbv) - 2022

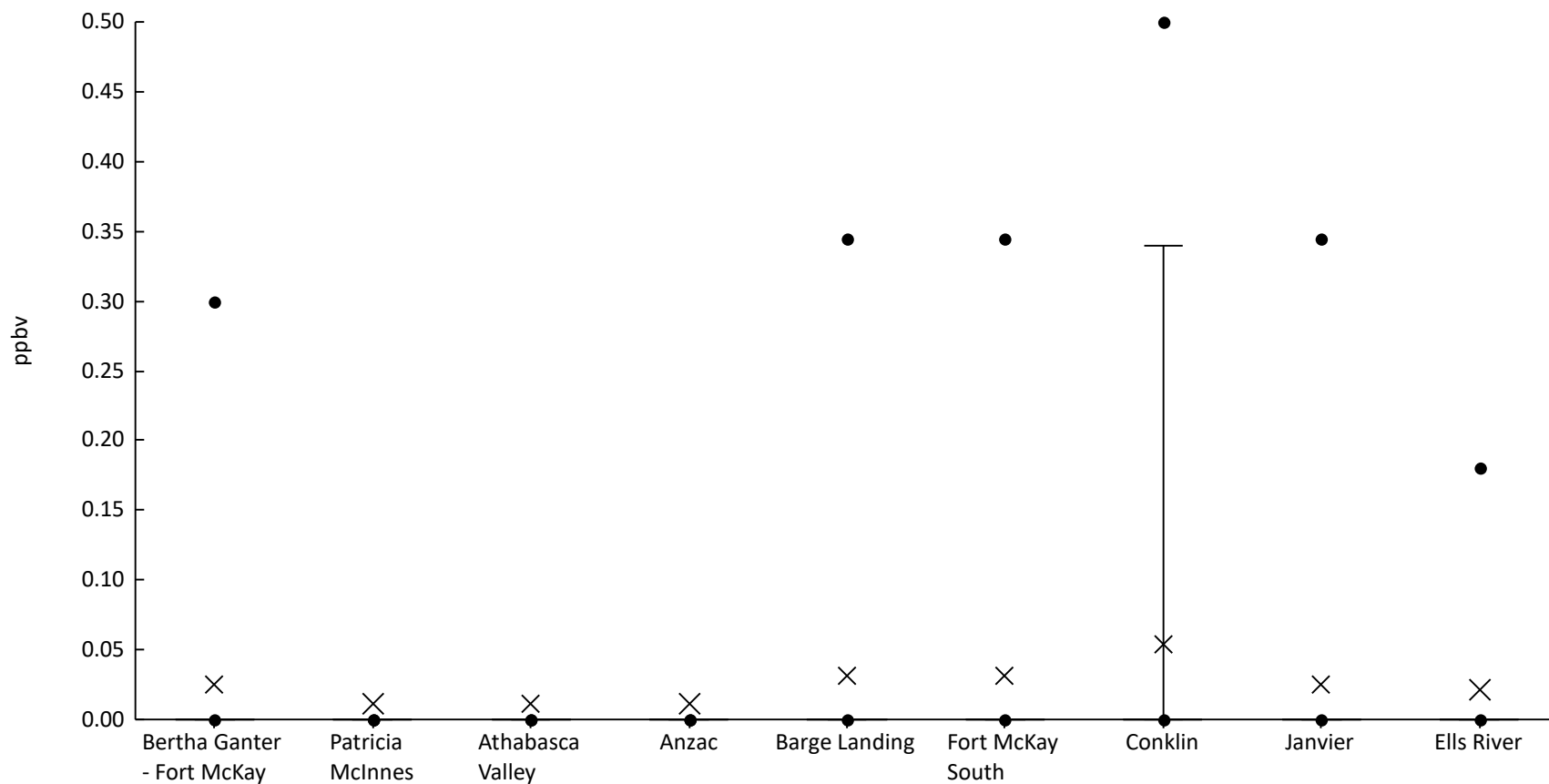
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.7	0.8	1.1	1.4	4.3	8.1	9.6	18	3	3.3
AMS06	Patricia McInnes	61	100%	0.7	0.8	0.8	1.1	1.5	2.7	4.5	7.2	19	2.4	2.8
AMS07	Athabasca Valley	59	98%	0	1	1.2	1.6	3	4.7	8.9	12	15	4	3.3
AMS14	Anzac	61	97%	0	0.56	0.86	1.2	1.7	2.8	6.9	14	43	3.4	6
AMS09	Barge Landing	61	98%	0	0.5	0.7	0.9	1.4	3.3	6.6	12	20	3	3.6
AMS13	Fort McKay South	61	100%	0.4	0.6	0.8	0.98	1.5	3	8.1	10	14	2.9	3.1
AMS21	Conklin	61	100%	0.6	0.7	0.8	1	1.4	2.9	7.5	8.7	13	2.7	3
AMS22	Janvier	61	98%	0	0.6	0.66	0.9	1.4	3.1	7.3	9.8	12	2.7	2.8
AMS30	Ells River	61	98%	0	0.6	0.66	0.88	1.3	2.8	6	8.1	9.5	2.4	2.3





Volatile Organic Compound Canister - alpha-Pinene (ppbv) - 2022

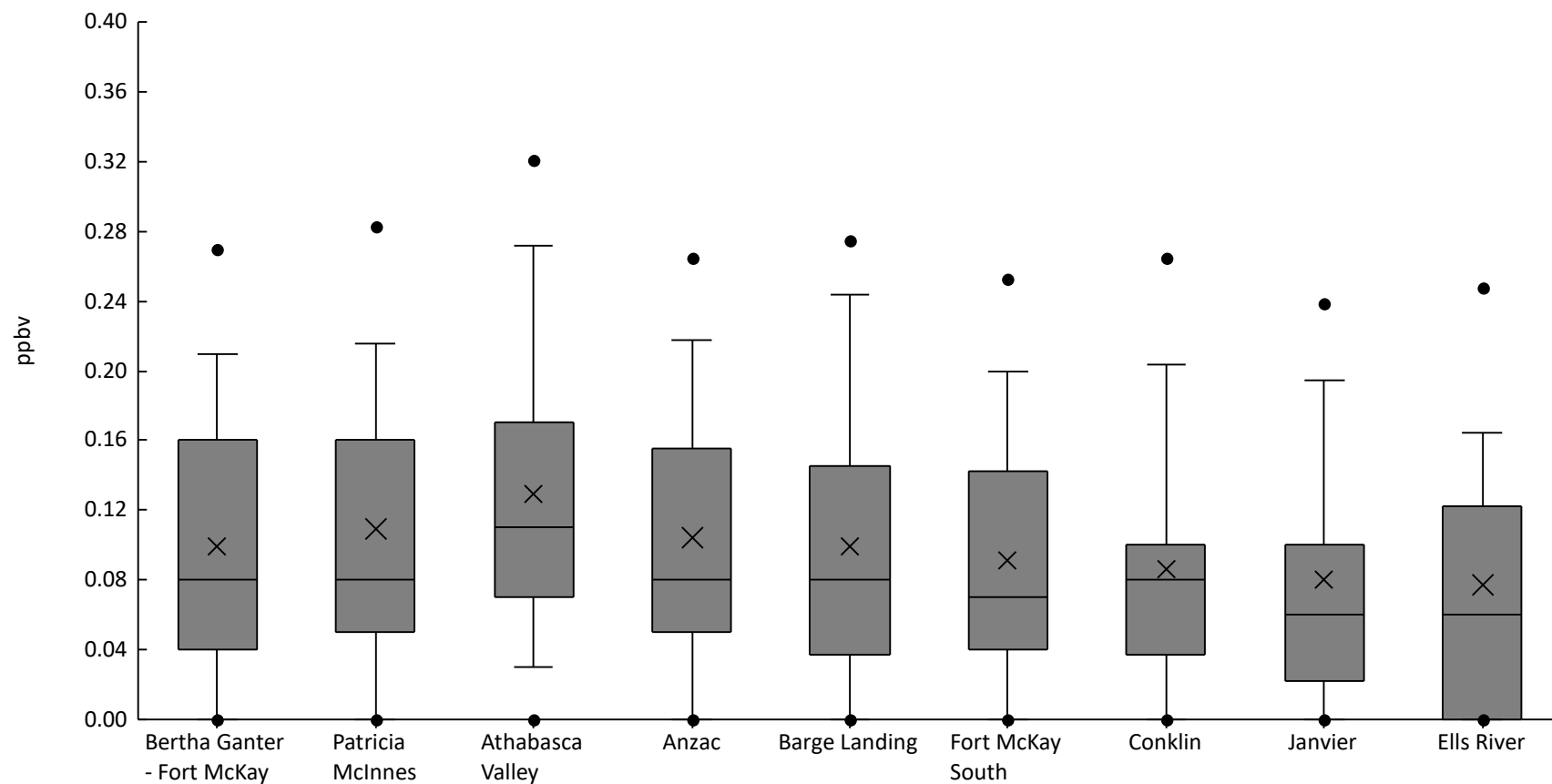
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	7%	0	0	0	0	0	0	0	0.3	0.5	0.025	0.096
AMS06	Patricia McInnes	61	3%	0	0	0	0	0	0	0	0	0.4	0.011	0.064
AMS07	Athabasca Valley	59	3%	0	0	0	0	0	0	0	0	0.4	0.012	0.065
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.4	0.011	0.064
AMS09	Barge Landing	61	8%	0	0	0	0	0	0	0	0.35	0.5	0.031	0.11
AMS13	Fort McKay South	61	8%	0	0	0	0	0	0	0	0.35	0.5	0.031	0.11
AMS21	Conklin	61	11%	0	0	0	0	0	0	0.34	0.5	0.6	0.054	0.16
AMS22	Janvier	61	7%	0	0	0	0	0	0	0	0.35	0.4	0.025	0.094
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.18	0.5	0.021	0.095





Volatile Organic Compound Canister - Benzene (ppbv) - 2022

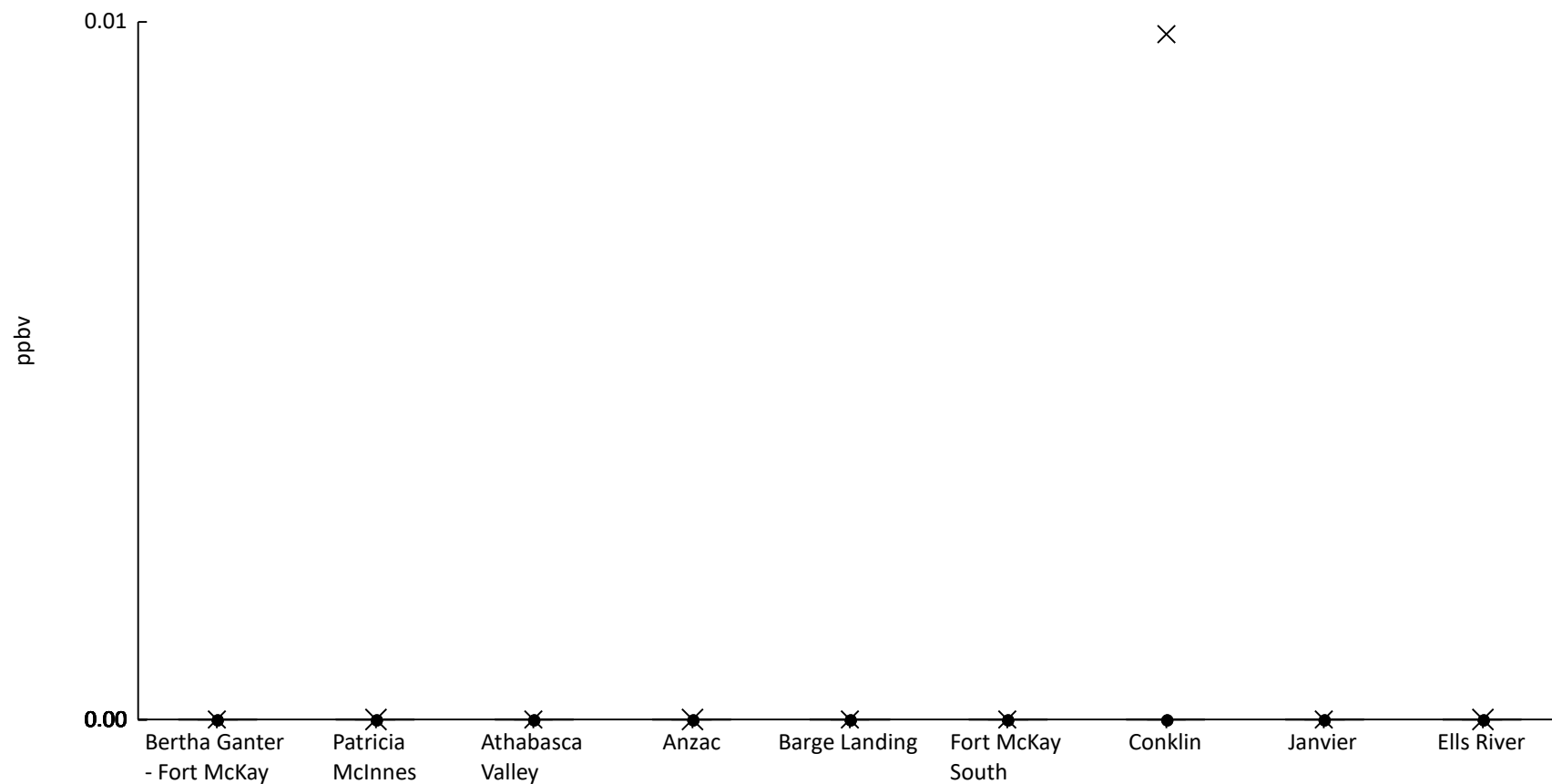
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	82%	0	0	0	0.04	0.08	0.16	0.21	0.27	0.29	0.099	0.081
AMS06	Patricia McInnes	61	85%	0	0	0	0.05	0.08	0.16	0.22	0.28	0.52	0.11	0.096
AMS07	Athabasca Valley	59	92%	0	0	0.03	0.07	0.11	0.17	0.27	0.32	0.39	0.13	0.091
AMS14	Anzac	61	85%	0	0	0	0.05	0.08	0.16	0.22	0.26	0.35	0.1	0.083
AMS09	Barge Landing	61	79%	0	0	0	0.038	0.08	0.15	0.24	0.27	0.4	0.099	0.093
AMS13	Fort McKay South	61	79%	0	0	0	0.04	0.07	0.14	0.2	0.25	0.33	0.091	0.079
AMS21	Conklin	61	82%	0	0	0	0.038	0.08	0.1	0.2	0.26	0.27	0.086	0.073
AMS22	Janvier	61	75%	0	0	0	0.023	0.06	0.1	0.19	0.24	0.3	0.081	0.076
AMS30	Ells River	61	69%	0	0	0	0	0.06	0.12	0.16	0.25	0.32	0.078	0.078





Volatile Organic Compound Canister - beta-Pinene (ppbv) - 2022

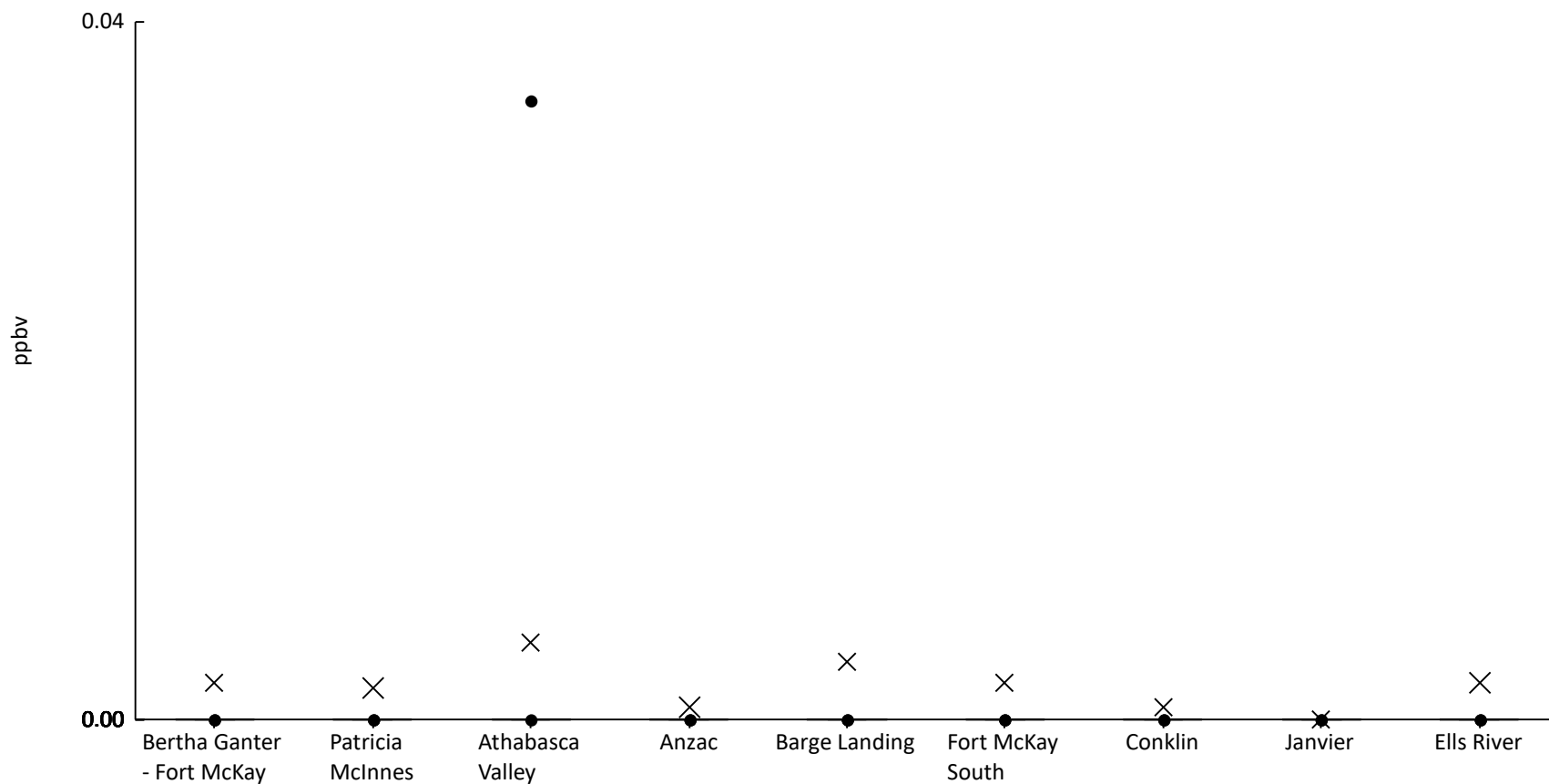
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.6	9.8E-3	0.077
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0





Volatile Organic Compound Canister - cis-2-Butene (ppbv) - 2022

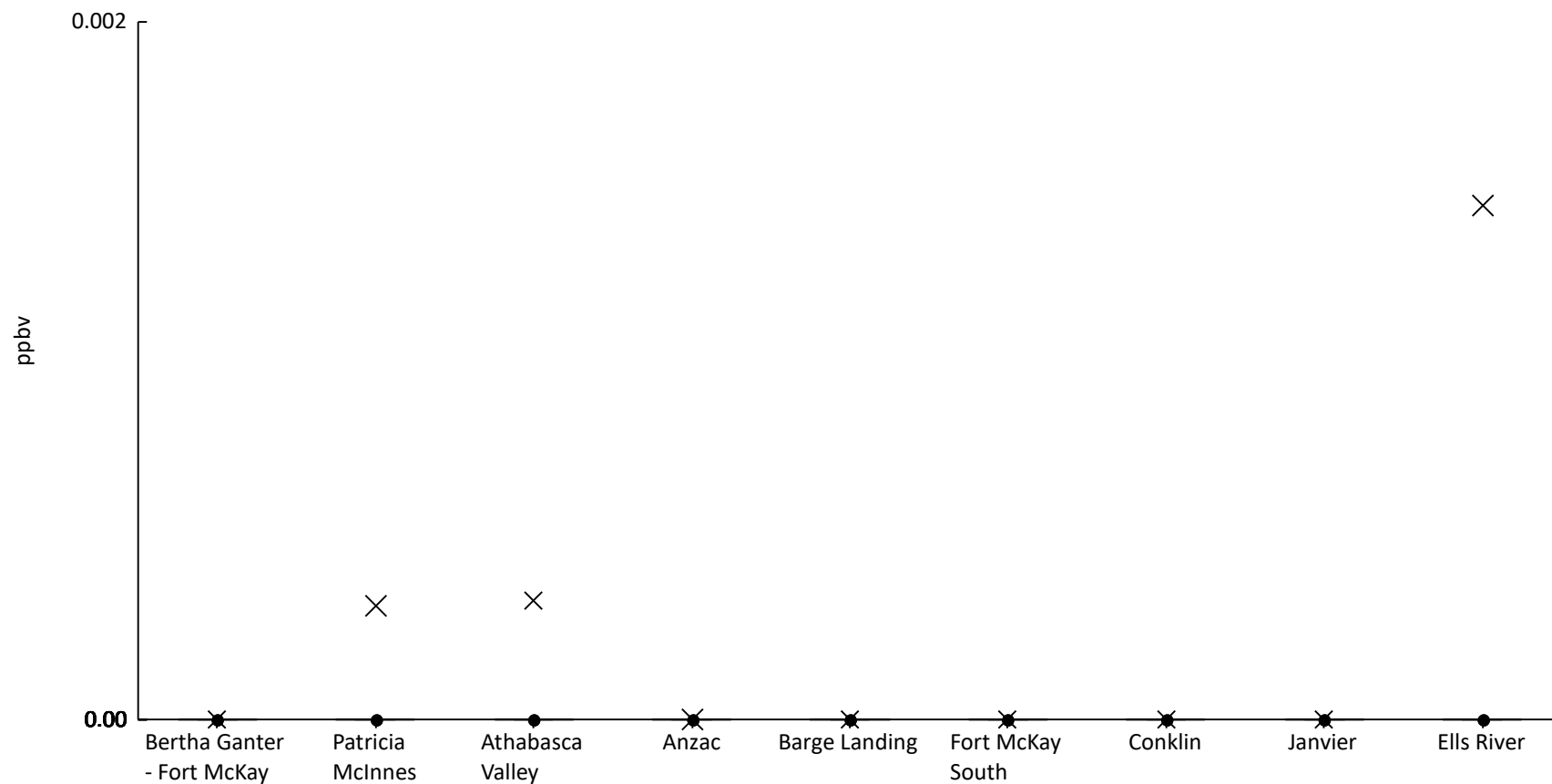
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	3%	0	0	0	0	0	0	0	0	0.1	2.1E-3	0.013
AMS06	Patricia McInnes	61	3%	0	0	0	0	0	0	0	0	0.08	1.8E-3	0.011
AMS07	Athabasca Valley	59	7%	0	0	0	0	0	0	0	0.036	0.14	4.4E-3	0.02
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.04	6.6E-4	5.1E-3
AMS09	Barge Landing	61	3%	0	0	0	0	0	0	0	0	0.13	3.3E-3	0.019
AMS13	Fort McKay South	61	2%	0	0	0	0	0	0	0	0	0.13	2.1E-3	0.017
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.04	6.6E-4	5.1E-3
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	2%	0	0	0	0	0	0	0	0	0.13	2.1E-3	0.017





Volatile Organic Compound Canister - cis-2-Hexene (ppbv) - 2022

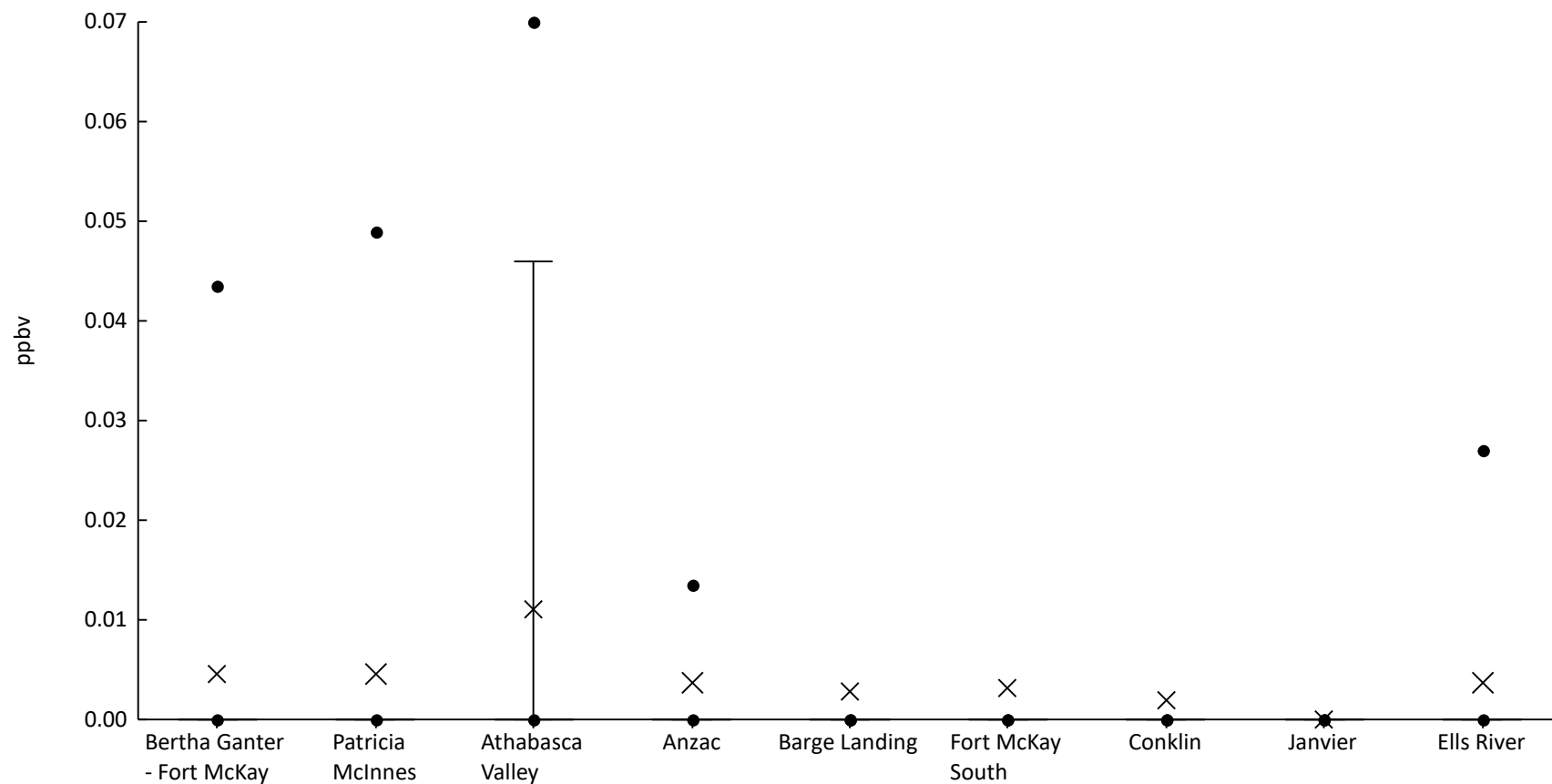
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	61	2%	0	0	0	0	0	0	0	0	0.02	3.3E-4	2.6E-3
AMS07	Athabasca Valley	59	2%	0	0	0	0	0	0	0	0	0.02	3.4E-4	2.6E-3
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	2%	0	0	0	0	0	0	0	0	0.09	1.5E-3	0.012





Volatile Organic Compound Canister - cis-2-Pentene (ppbv) - 2022

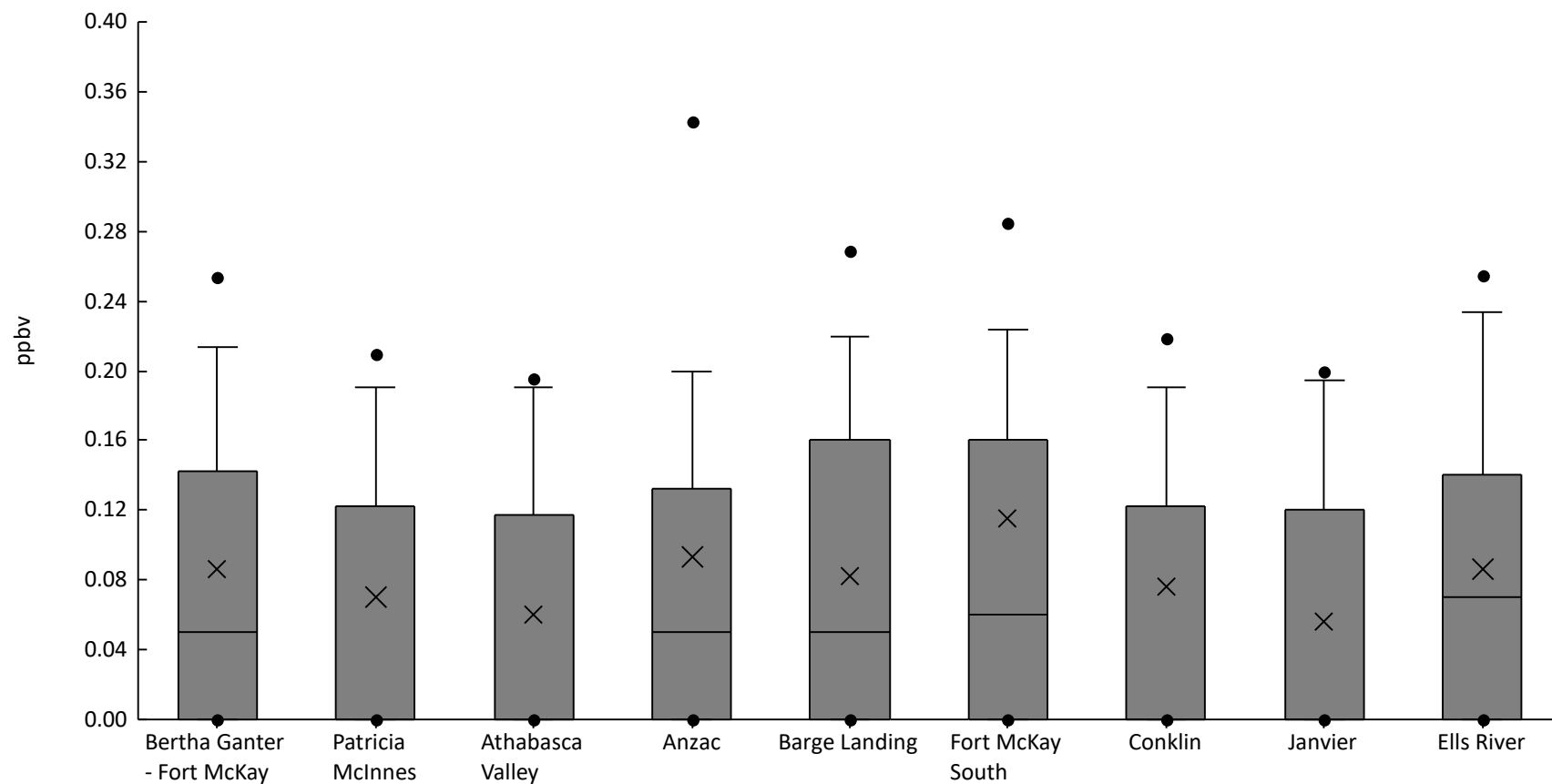
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	7%	0	0	0	0	0	0	0	0.043	0.12	4.6E-3	0.019
AMS06	Patricia McInnes	61	7%	0	0	0	0	0	0	0	0.049	0.12	4.6E-3	0.019
AMS07	Athabasca Valley	59	20%	0	0	0	0	0	0	0.046	0.07	0.13	0.011	0.026
AMS14	Anzac	61	5%	0	0	0	0	0	0	0	0.013	0.12	3.8E-3	0.019
AMS09	Barge Landing	61	3%	0	0	0	0	0	0	0	0	0.13	2.8E-3	0.017
AMS13	Fort McKay South	61	3%	0	0	0	0	0	0	0	0	0.13	3.1E-3	0.018
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.12	2E-3	0.015
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.027	0.09	3.8E-3	0.017





Volatile Organic Compound Canister - Cyclohexane (ppbv) - 2022

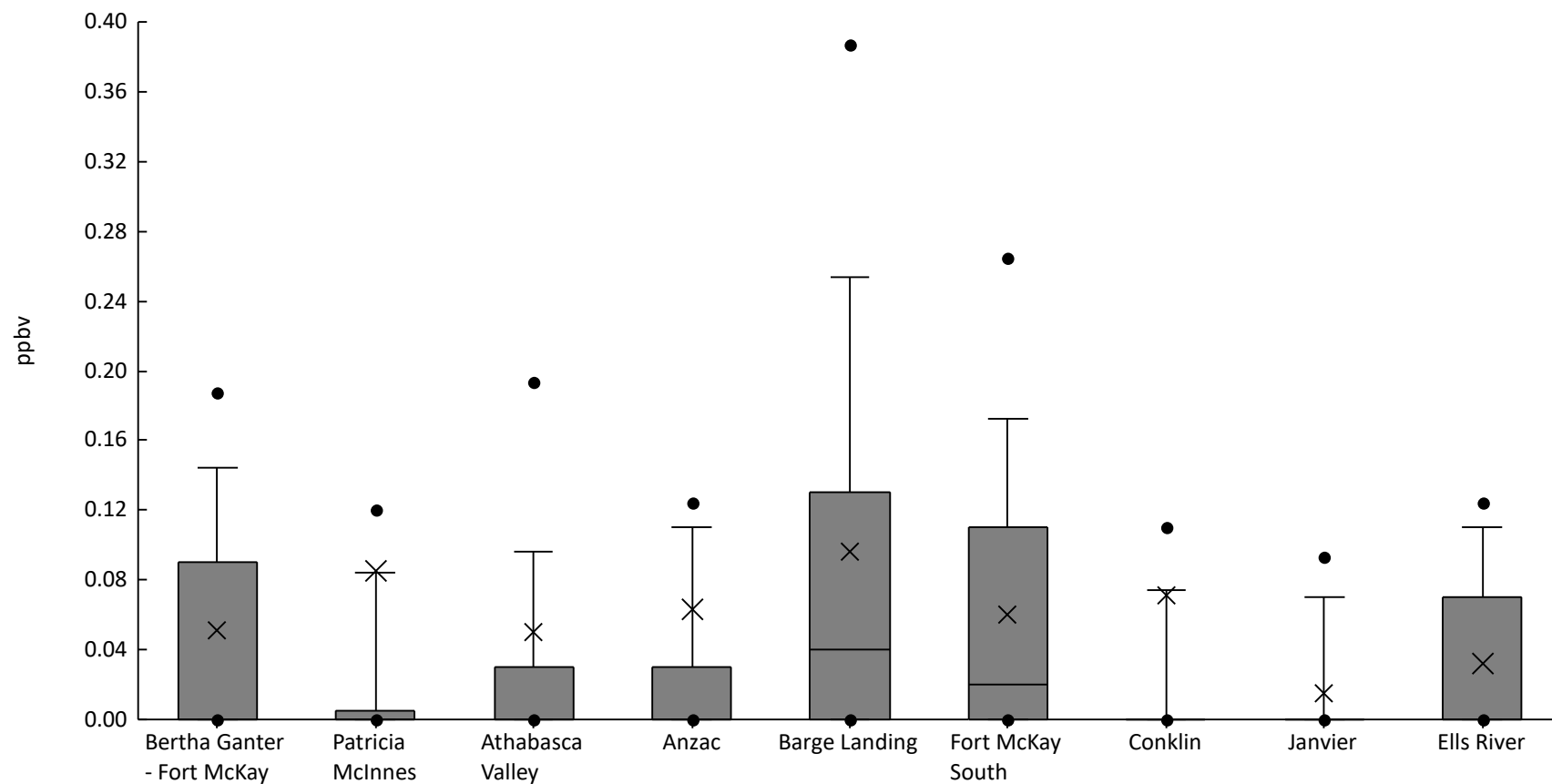
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	57%	0	0	0	0	0.05	0.14	0.21	0.25	0.6	0.086	0.11
AMS06	Patricia McInnes	61	46%	0	0	0	0	0	0.12	0.19	0.21	0.72	0.07	0.11
AMS07	Athabasca Valley	59	49%	0	0	0	0	0	0.12	0.19	0.2	0.27	0.06	0.075
AMS14	Anzac	61	51%	0	0	0	0	0.05	0.13	0.2	0.34	1.1	0.093	0.17
AMS09	Barge Landing	61	59%	0	0	0	0	0.05	0.16	0.22	0.27	0.31	0.082	0.092
AMS13	Fort McKay South	61	61%	0	0	0	0	0.06	0.16	0.22	0.28	1.8	0.12	0.23
AMS21	Conklin	61	41%	0	0	0	0	0	0.12	0.19	0.22	1.6	0.077	0.21
AMS22	Janvier	61	38%	0	0	0	0	0	0.12	0.19	0.2	0.42	0.056	0.089
AMS30	Ells River	61	62%	0	0	0	0	0.07	0.14	0.23	0.25	0.3	0.086	0.088





Volatile Organic Compound Canister - Cyclopentane (ppbv) - 2022

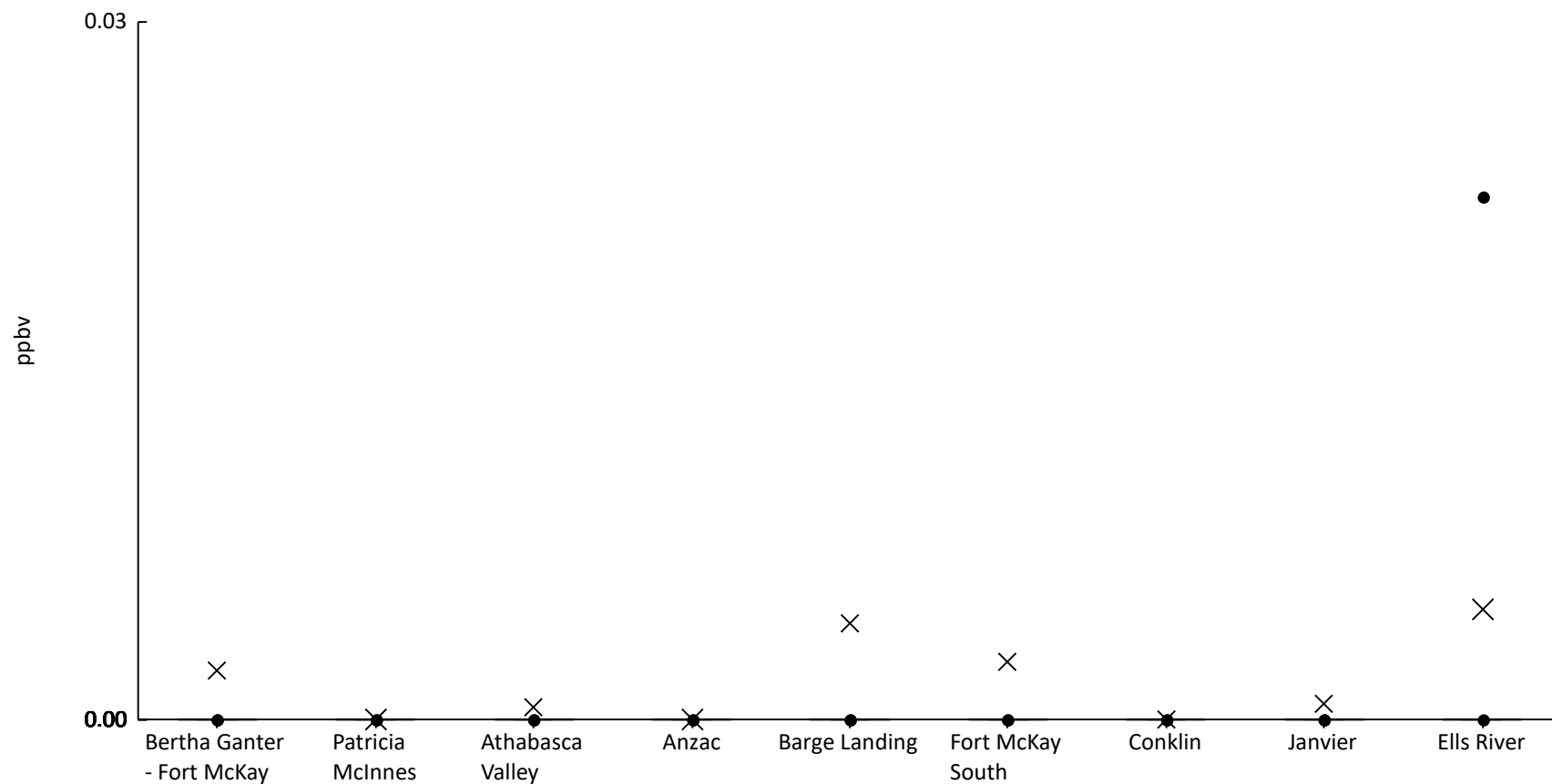
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	48%	0	0	0	0	0	0.09	0.14	0.19	0.35	0.051	0.073
AMS06	Patricia McInnes	61	25%	0	0	0	0	0	5E-3	0.084	0.12	4.2	0.085	0.54
AMS07	Athabasca Valley	59	32%	0	0	0	0	0	0.03	0.096	0.19	1.4	0.05	0.19
AMS14	Anzac	61	33%	0	0	0	0	0	0.03	0.11	0.12	2.5	0.063	0.32
AMS09	Barge Landing	61	59%	0	0	0	0	0.04	0.13	0.25	0.39	0.73	0.097	0.15
AMS13	Fort McKay South	61	52%	0	0	0	0	0.02	0.11	0.17	0.26	0.29	0.06	0.083
AMS21	Conklin	61	21%	0	0	0	0	0	0	0.074	0.11	3.6	0.071	0.45
AMS22	Janvier	61	23%	0	0	0	0	0	0	0.07	0.093	0.13	0.015	0.032
AMS30	Ells River	61	39%	0	0	0	0	0	0.07	0.11	0.12	0.15	0.032	0.047





Volatile Organic Compound Canister - Cyclopentene (ppbv) - 2022

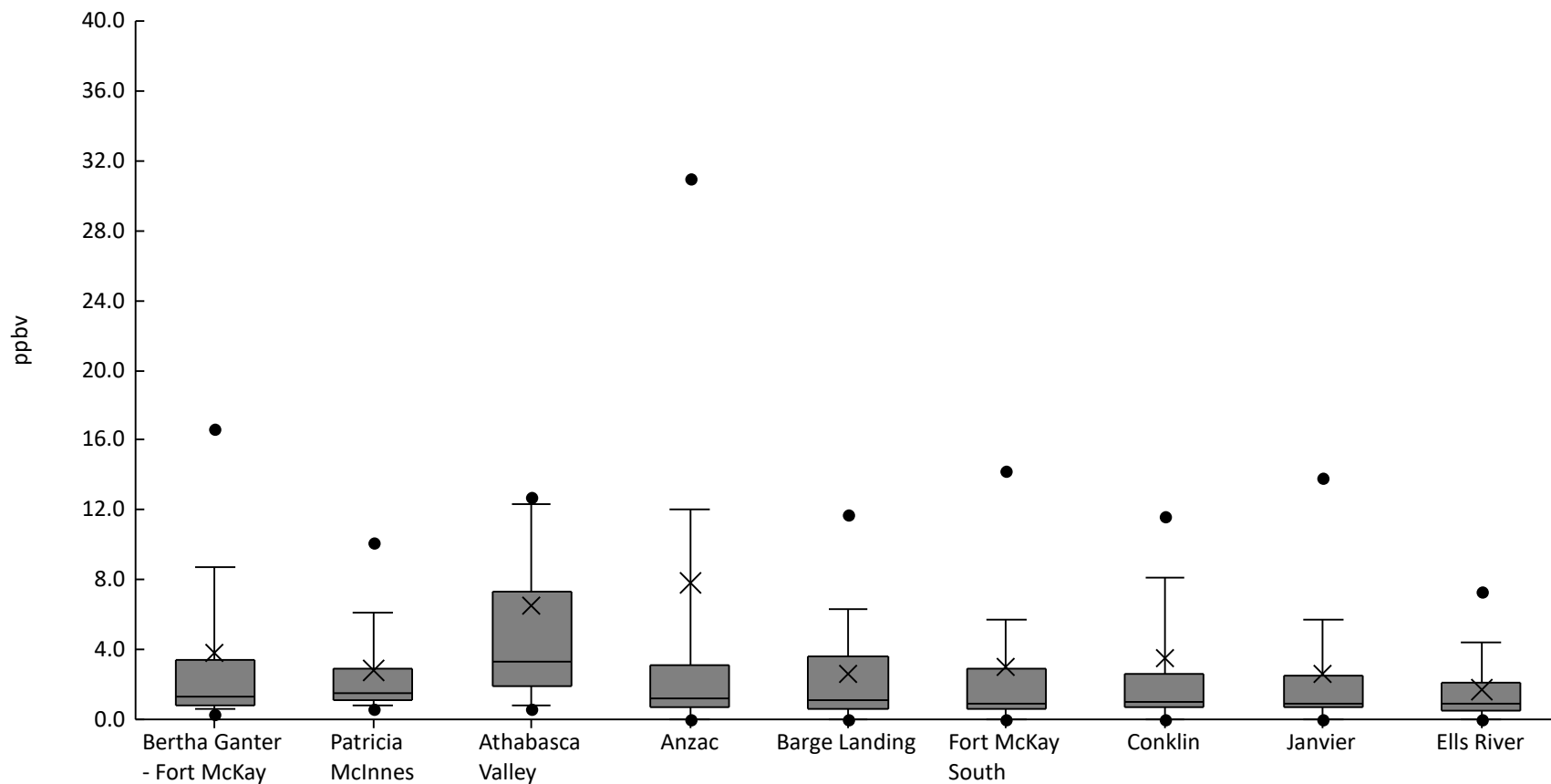
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	3%	0	0	0	0	0	0	0	0	0.1	2.1E-3	0.013
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	59	2%	0	0	0	0	0	0	0	0	0.03	5.1E-4	3.9E-3
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	3%	0	0	0	0	0	0	0	0	0.15	4.1E-3	0.023
AMS13	Fort McKay South	61	2%	0	0	0	0	0	0	0	0	0.15	2.5E-3	0.019
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.02	6.6E-4	3.6E-3
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.022	0.15	4.8E-3	0.023





Volatile Organic Compound Canister - Ethanol (ppbv) - 2022

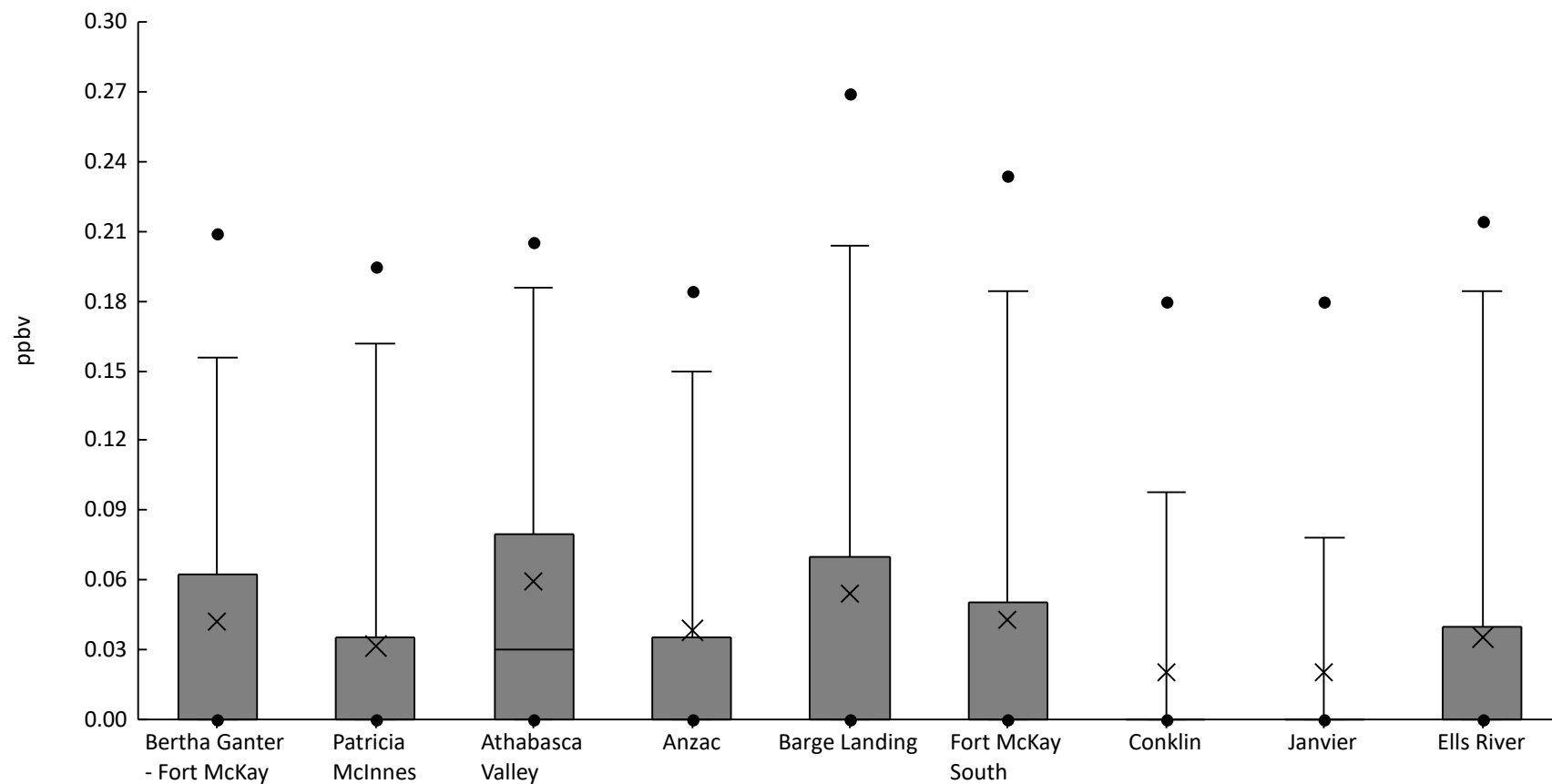
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	95%	0	0.28	0.6	0.8	1.3	3.4	8.7	17	47	3.8	7.1
AMS06	Patricia McInnes	61	97%	0	0.61	0.8	1.1	1.5	2.9	6.1	10	20	2.8	3.5
AMS07	Athabasca Valley	59	97%	0	0.6	0.84	1.9	3.3	7.3	12	13	117	6.5	15
AMS14	Anzac	61	87%	0	0	0	0.7	1.2	3.1	12	31	144	7.8	26
AMS09	Barge Landing	61	87%	0	0	0	0.6	1.1	3.6	6.3	12	21	2.6	3.8
AMS13	Fort McKay South	61	82%	0	0	0	0.58	0.9	3	5.7	14	47	3.1	6.8
AMS21	Conklin	61	80%	0	0	0	0.7	1	2.6	8.1	12	69	3.5	9.4
AMS22	Janvier	61	85%	0	0	0	0.7	0.9	2.5	5.7	14	24	2.6	4.3
AMS30	Ells River	61	79%	0	0	0	0.5	0.9	2.1	4.4	7.3	9.5	1.7	2.1





Volatile Organic Compound Canister - Ethylbenzene (ppbv) - 2022

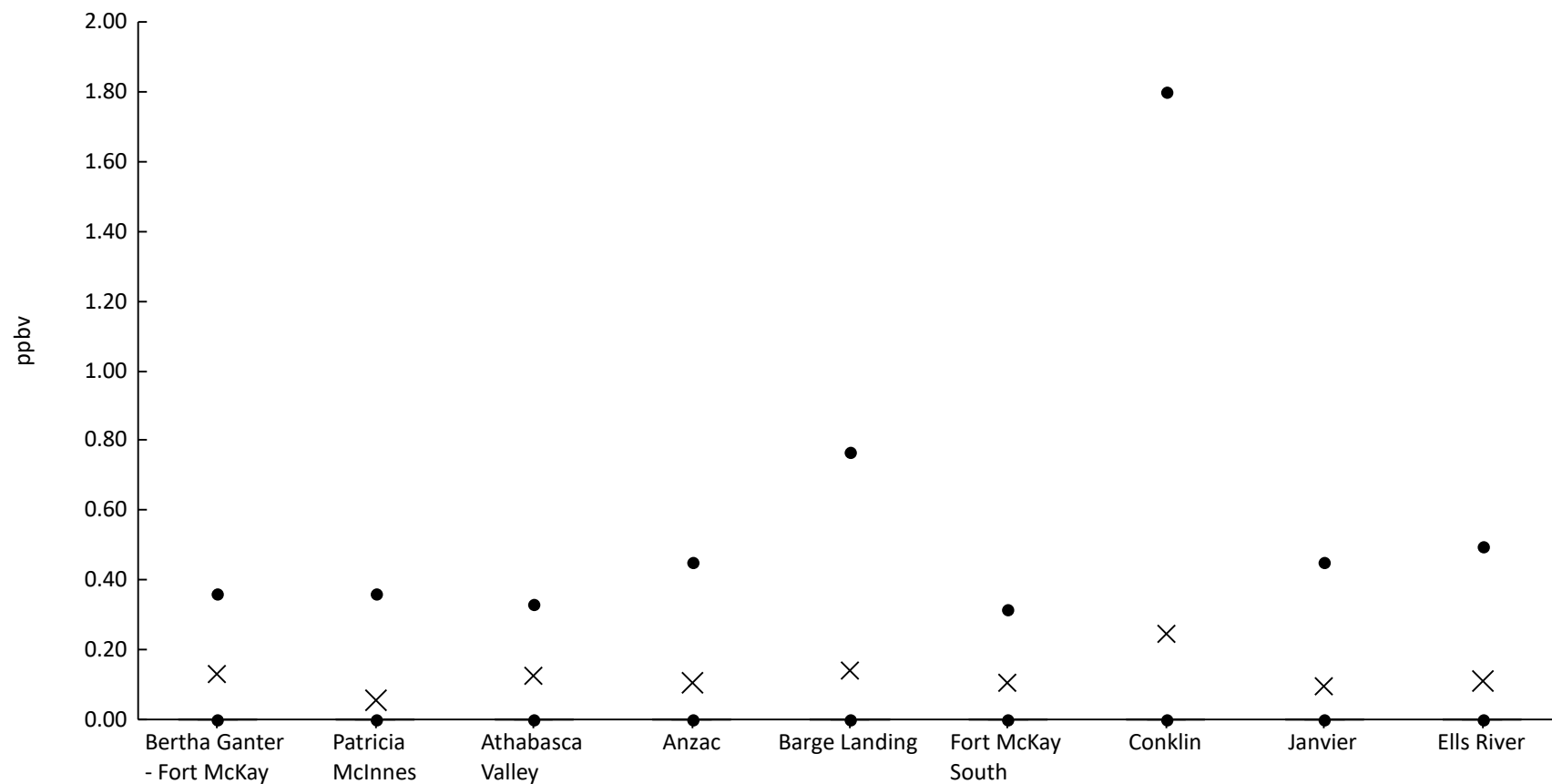
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	31%	0	0	0	0	0	0.063	0.16	0.21	0.39	0.042	0.079
AMS06	Patricia McInnes	61	26%	0	0	0	0	0	0.035	0.16	0.19	0.21	0.032	0.063
AMS07	Athabasca Valley	59	51%	0	0	0	0	0.03	0.08	0.19	0.21	0.39	0.059	0.086
AMS14	Anzac	61	26%	0	0	0	0	0	0.035	0.15	0.18	0.66	0.039	0.099
AMS09	Barge Landing	61	31%	0	0	0	0	0	0.07	0.2	0.27	0.39	0.054	0.099
AMS13	Fort McKay South	61	36%	0	0	0	0	0	0.05	0.18	0.23	0.4	0.043	0.082
AMS21	Conklin	61	16%	0	0	0	0	0	0	0.098	0.18	0.2	0.02	0.051
AMS22	Janvier	61	18%	0	0	0	0	0	0	0.078	0.18	0.19	0.02	0.05
AMS30	Ells River	61	26%	0	0	0	0	0	0.04	0.18	0.21	0.26	0.036	0.072





Volatile Organic Compound Canister - Formaldehyde (ppbv) - 2022

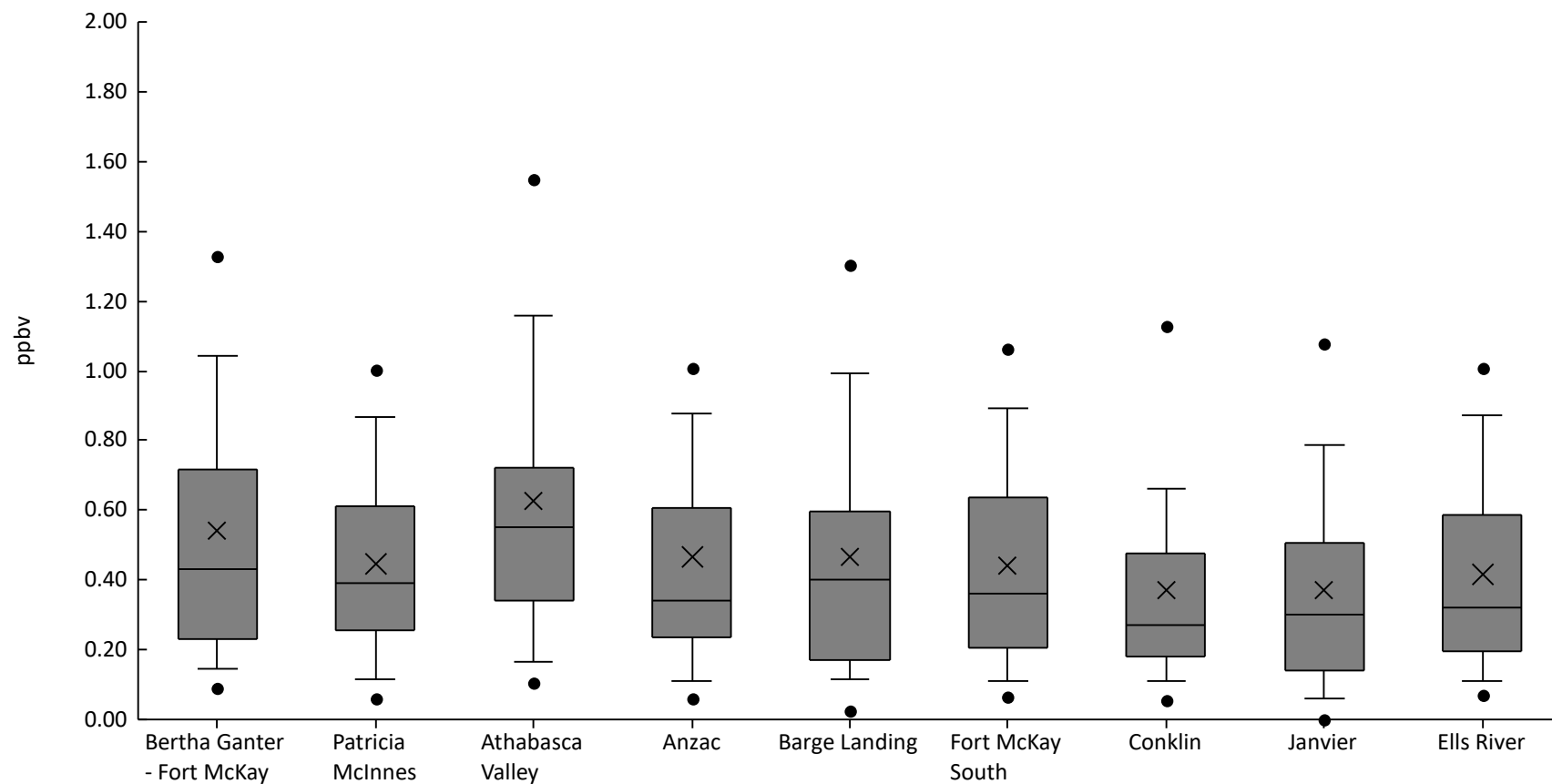
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	5%	0	0	0	0	0	0	0	0.36	4.1	0.13	0.64
AMS06	Patricia McInnes	61	5%	0	0	0	0	0	0	0	0.36	1.6	0.056	0.26
AMS07	Athabasca Valley	59	5%	0	0	0	0	0	0	0	0.33	3.7	0.12	0.62
AMS14	Anzac	61	5%	0	0	0	0	0	0	0	0.45	3.2	0.1	0.51
AMS09	Barge Landing	61	5%	0	0	0	0	0	0	0	0.76	4.1	0.14	0.67
AMS13	Fort McKay South	61	5%	0	0	0	0	0	0	0	0.31	3.2	0.1	0.52
AMS21	Conklin	61	5%	0	0	0	0	0	0	0	1.8	6.4	0.25	1.1
AMS22	Janvier	61	5%	0	0	0	0	0	0	0	0.45	3	0.093	0.45
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.49	3.1	0.11	0.51





Volatile Organic Compound Canister - Isobutane (ppbv) - 2022

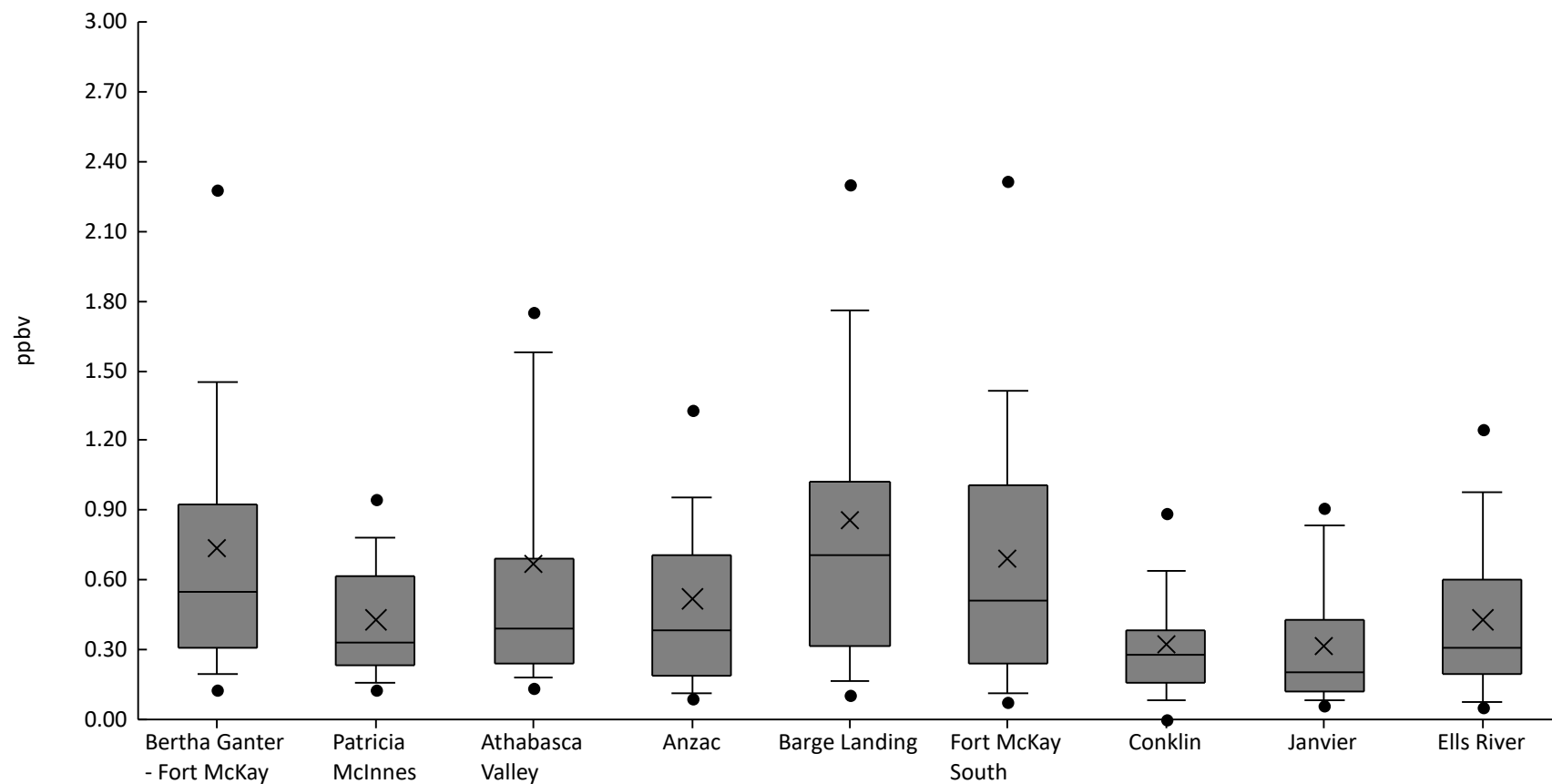
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.092	0.15	0.23	0.43	0.72	1	1.3	2.2	0.54	0.43
AMS06	Patricia McInnes	61	97%	0	0.06	0.12	0.26	0.39	0.61	0.87	1	1.6	0.45	0.3
AMS07	Athabasca Valley	59	100%	0.06	0.1	0.16	0.34	0.55	0.72	1.2	1.6	2.9	0.63	0.51
AMS14	Anzac	61	97%	0	0.06	0.11	0.24	0.34	0.61	0.88	1	2.4	0.46	0.38
AMS09	Barge Landing	61	95%	0	0.028	0.12	0.17	0.4	0.6	0.99	1.3	2.2	0.47	0.4
AMS13	Fort McKay South	61	98%	0	0.066	0.11	0.21	0.36	0.64	0.89	1.1	1.4	0.44	0.31
AMS21	Conklin	61	97%	0	0.058	0.11	0.18	0.27	0.48	0.66	1.1	1.6	0.37	0.31
AMS22	Janvier	61	93%	0	0	0.062	0.14	0.3	0.51	0.79	1.1	1.4	0.37	0.31
AMS30	Ells River	61	97%	0	0.07	0.11	0.2	0.32	0.59	0.87	1	1.1	0.41	0.28





Volatile Organic Compound Canister - Isopentane (ppbv) - 2022

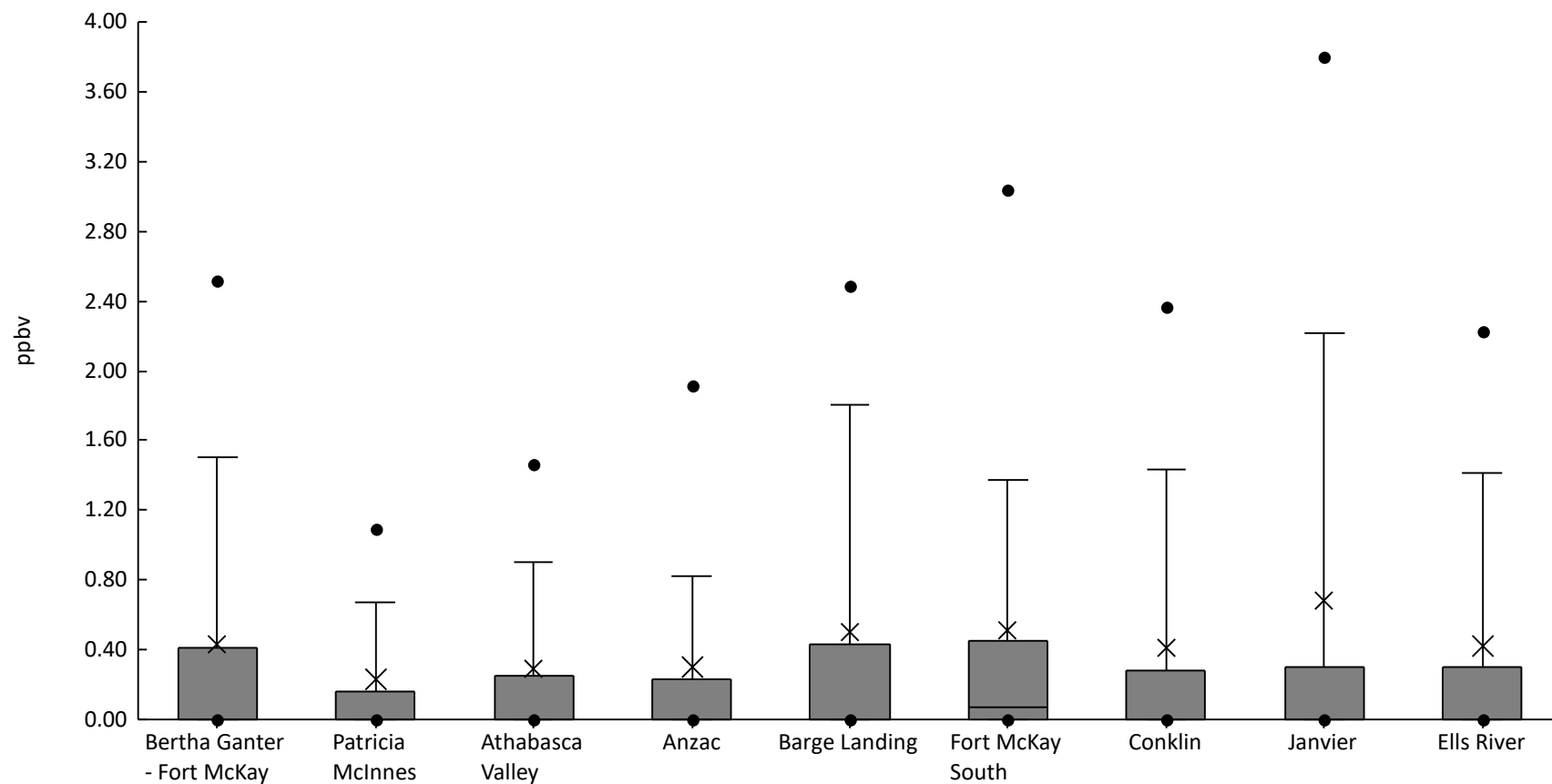
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	0.13	0.13	0.19	0.31	0.55	0.93	1.5	2.3	3.4	0.74	0.65
AMS06	Patricia McInnes	61	100%	0.06	0.13	0.16	0.23	0.33	0.62	0.78	0.95	1.5	0.43	0.28
AMS07	Athabasca Valley	59	98%	0	0.13	0.18	0.24	0.39	0.7	1.6	1.8	6.3	0.67	0.88
AMS14	Anzac	61	98%	0	0.09	0.11	0.19	0.38	0.71	0.95	1.3	3.6	0.52	0.55
AMS09	Barge Landing	61	98%	0	0.11	0.16	0.32	0.71	1	1.8	2.3	5	0.86	0.82
AMS13	Fort McKay South	61	97%	0	0.078	0.12	0.24	0.51	1	1.4	2.3	2.5	0.69	0.61
AMS21	Conklin	61	93%	0	0	0.086	0.16	0.28	0.38	0.64	0.89	1.3	0.32	0.26
AMS22	Janvier	61	97%	0	0.061	0.08	0.12	0.2	0.43	0.84	0.91	1.1	0.32	0.27
AMS30	Ells River	61	97%	0	0.056	0.076	0.2	0.31	0.6	0.98	1.2	1.5	0.43	0.35





Volatile Organic Compound Canister - Isoprene (ppbv) - 2022

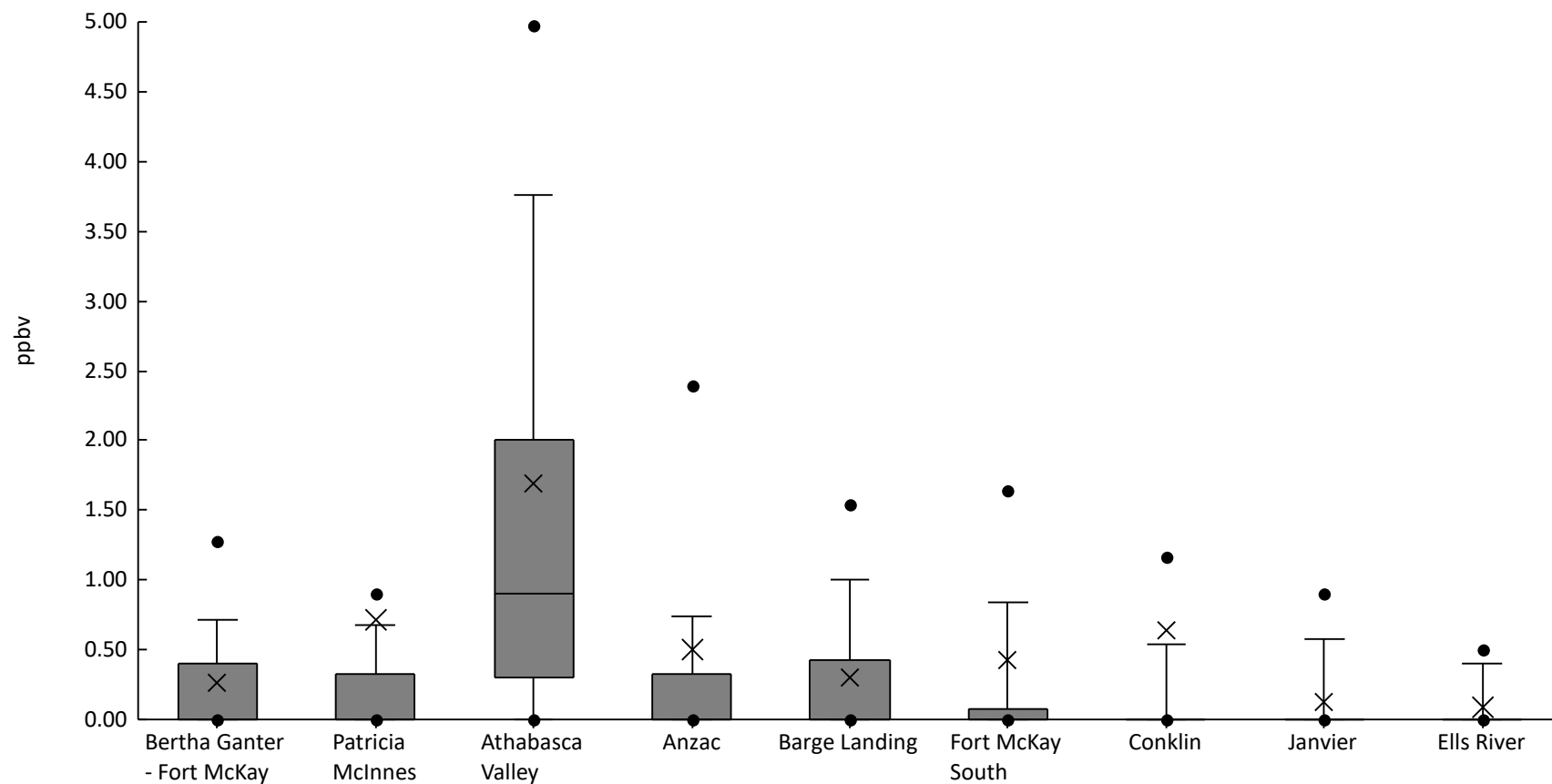
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	49%	0	0	0	0	0	0.41	1.5	2.5	3.4	0.43	0.81
AMS06	Patricia McInnes	61	43%	0	0	0	0	0	0.16	0.67	1.1	3.9	0.23	0.58
AMS07	Athabasca Valley	59	46%	0	0	0	0	0	0.25	0.9	1.5	4	0.29	0.65
AMS14	Anzac	61	43%	0	0	0	0	0	0.23	0.82	1.9	4.9	0.3	0.78
AMS09	Barge Landing	61	46%	0	0	0	0	0	0.44	1.8	2.5	6.7	0.5	1.1
AMS13	Fort McKay South	61	54%	0	0	0	0	0.07	0.45	1.4	3	6	0.51	1.1
AMS21	Conklin	61	46%	0	0	0	0	0	0.28	1.4	2.4	5	0.41	0.93
AMS22	Janvier	61	46%	0	0	0	0	0	0.3	2.2	3.8	12	0.69	1.9
AMS30	Ells River	61	48%	0	0	0	0	0	0.3	1.4	2.2	6.3	0.42	0.98





Volatile Organic Compound Canister - Isopropylalcohol (ppbv) - 2022

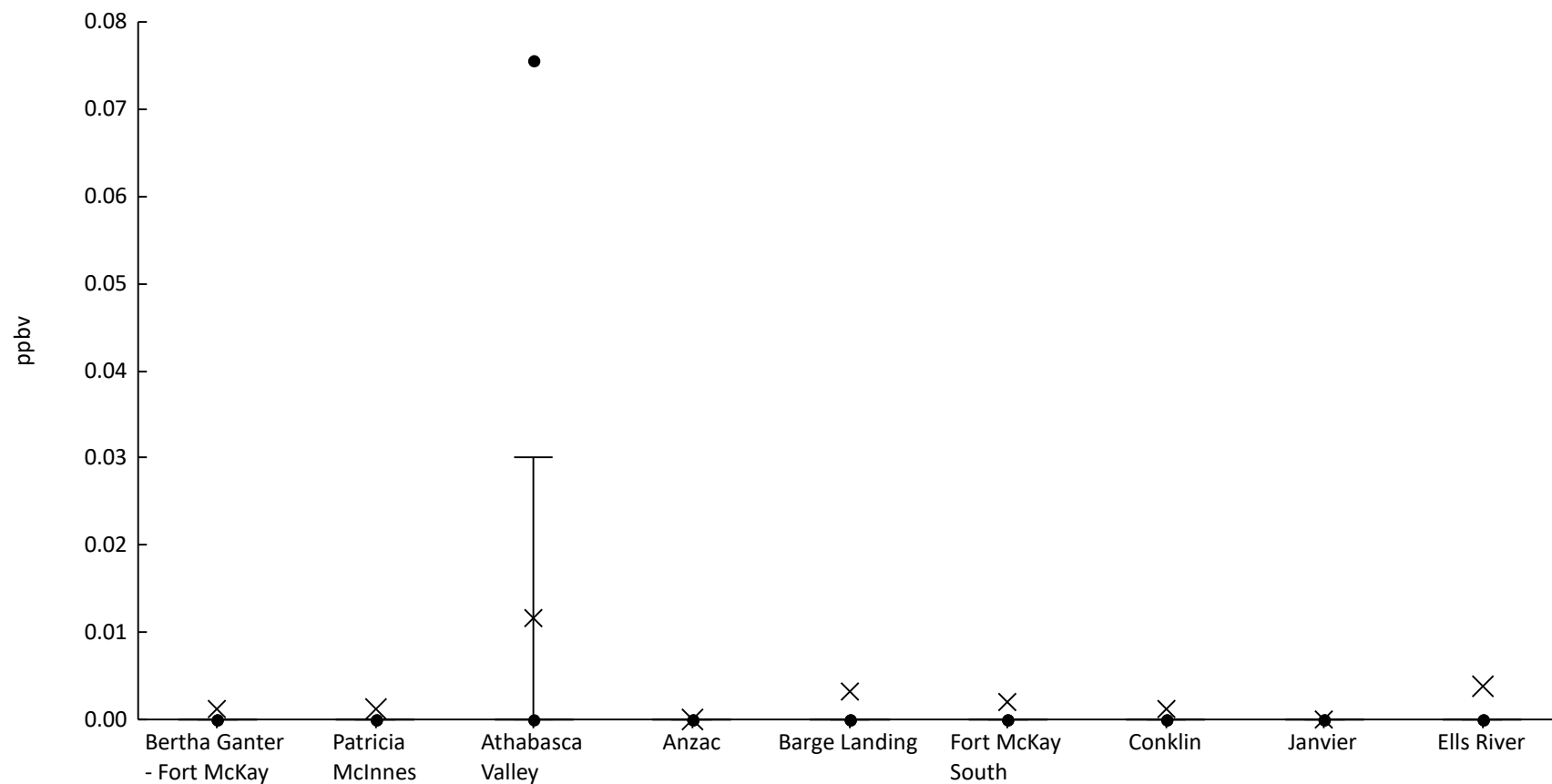
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	33%	0	0	0	0	0	0.4	0.72	1.3	3.6	0.27	0.57
AMS06	Patricia McInnes	61	30%	0	0	0	0	0	0.33	0.68	0.9	34	0.71	4.3
AMS07	Athabasca Valley	59	76%	0	0	0	0.3	0.9	2	3.8	5	18	1.7	2.8
AMS14	Anzac	61	28%	0	0	0	0	0	0.33	0.74	2.4	16	0.5	2.1
AMS09	Barge Landing	61	36%	0	0	0	0	0	0.43	1	1.5	2.5	0.3	0.55
AMS13	Fort McKay South	61	25%	0	0	0	0	0	0.075	0.84	1.6	13	0.43	1.7
AMS21	Conklin	61	23%	0	0	0	0	0	0	0.54	1.2	27	0.64	3.5
AMS22	Janvier	61	18%	0	0	0	0	0	0	0.58	0.9	1.5	0.13	0.31
AMS30	Ells River	61	15%	0	0	0	0	0	0	0.4	0.5	1.6	0.092	0.27





Volatile Organic Compound Canister - Isopropylbenzene (ppbv) - 2022

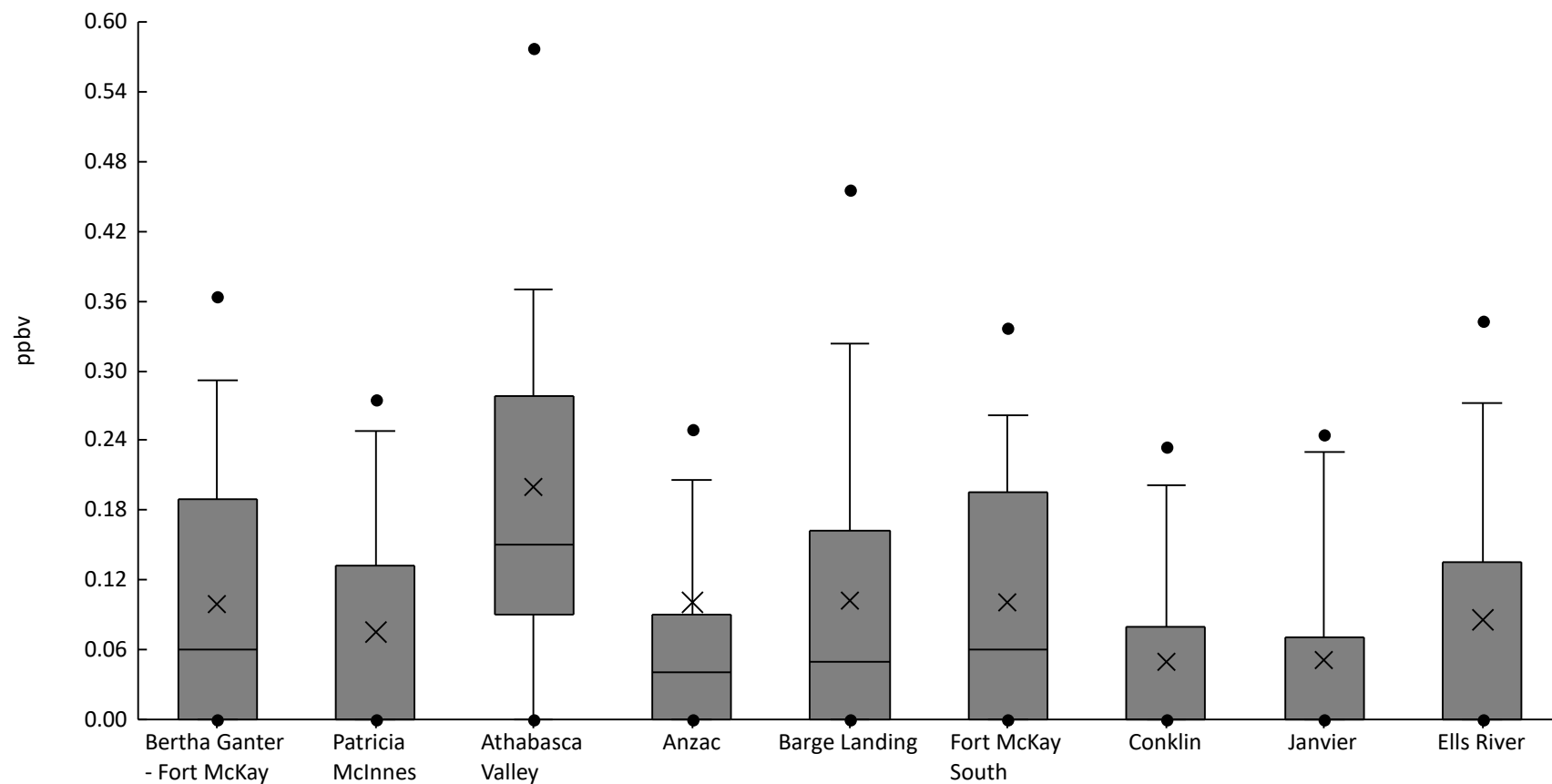
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3
AMS06	Patricia McInnes	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3
AMS07	Athabasca Valley	59	10%	0	0	0	0	0	0	0.03	0.076	0.34	0.012	0.048
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	3%	0	0	0	0	0	0	0	0	0.12	3.1E-3	0.018
AMS13	Fort McKay South	61	2%	0	0	0	0	0	0	0	0	0.12	2E-3	0.015
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.07	1.1E-3	9E-3
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	3%	0	0	0	0	0	0	0	0	0.12	3.8E-3	0.021





Volatile Organic Compound Canister - m,p-Xylene (ppbv) - 2022

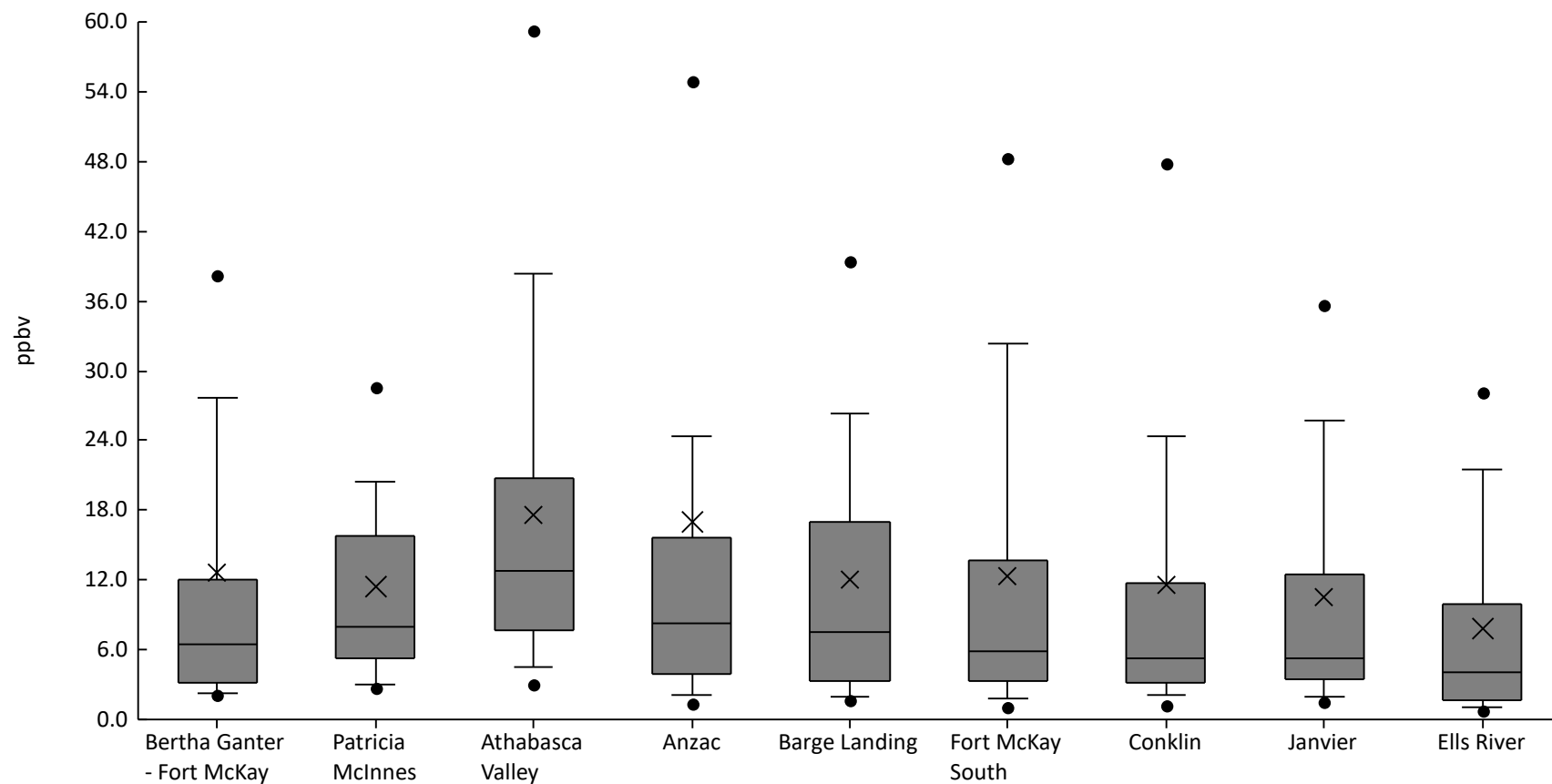
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	52%	0	0	0	0	0.06	0.19	0.29	0.36	0.53	0.1	0.13
AMS06	Patricia McInnes	61	46%	0	0	0	0	0	0.13	0.25	0.27	0.31	0.076	0.098
AMS07	Athabasca Valley	59	86%	0	0	0	0.09	0.15	0.28	0.37	0.58	1.1	0.2	0.2
AMS14	Anzac	61	52%	0	0	0	0	0.04	0.09	0.21	0.25	2.7	0.1	0.34
AMS09	Barge Landing	61	54%	0	0	0	0	0.05	0.16	0.32	0.46	0.65	0.1	0.15
AMS13	Fort McKay South	61	56%	0	0	0	0	0.06	0.2	0.26	0.34	0.52	0.1	0.13
AMS21	Conklin	61	38%	0	0	0	0	0	0.08	0.2	0.23	0.27	0.05	0.079
AMS22	Janvier	61	34%	0	0	0	0	0	0.07	0.23	0.24	0.29	0.051	0.086
AMS30	Ells River	61	46%	0	0	0	0	0	0.14	0.27	0.34	0.5	0.086	0.13





Volatile Organic Compound Canister - Methanol (ppbv) - 2022

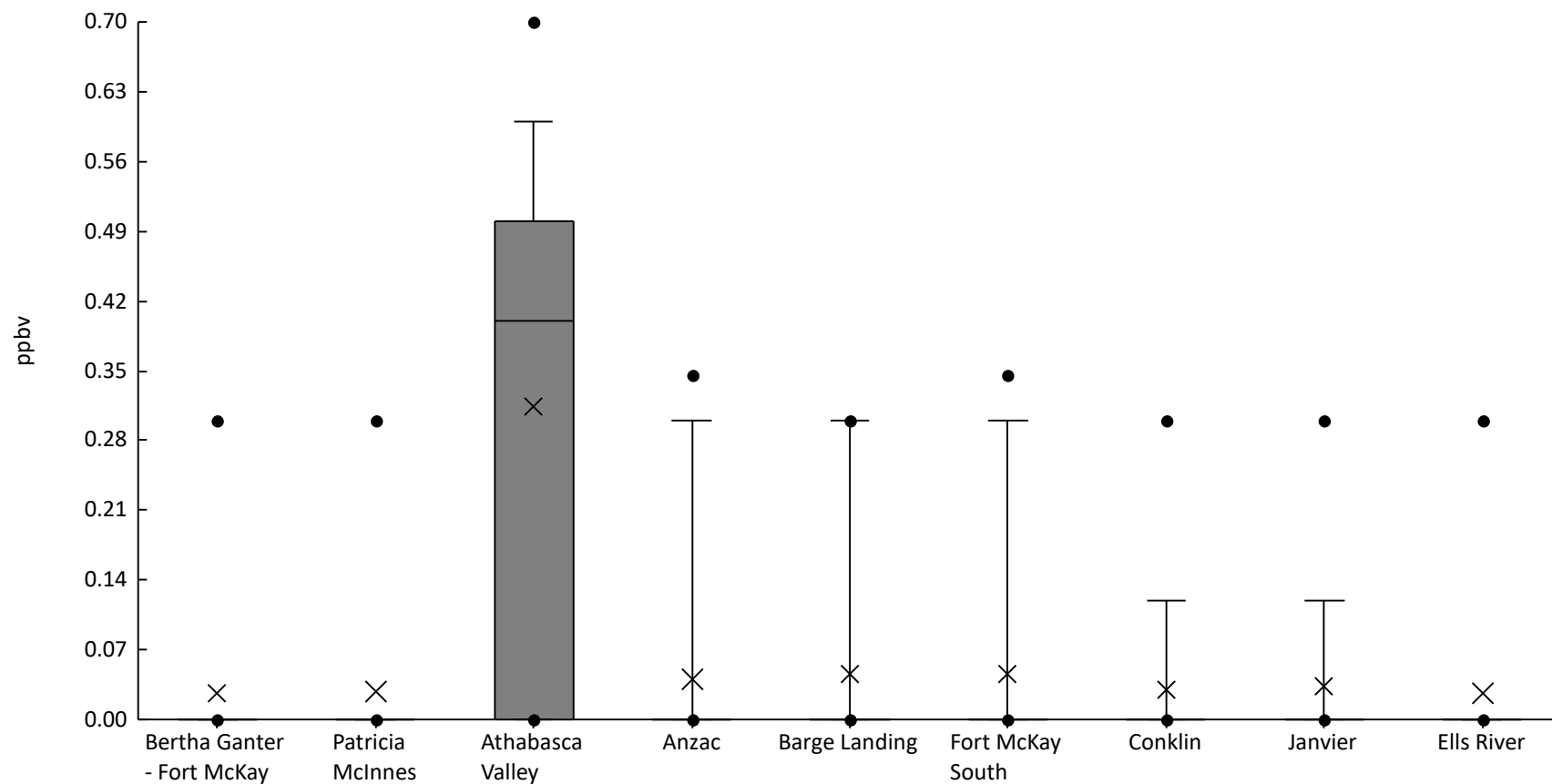
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	2.1	2.3	3.2	6.5	12	28	38	125	13	20
AMS06	Patricia McInnes	61	98%	0	2.7	3.1	5.2	8	16	21	29	56	11	10
AMS07	Athabasca Valley	59	98%	0	3	4.5	7.7	13	21	38	59	66	18	16
AMS14	Anzac	61	97%	0	1.4	2	4	8.3	16	24	55	282	17	38
AMS09	Barge Landing	61	97%	0	1.7	1.9	3.4	7.5	17	26	39	55	12	12
AMS13	Fort McKay South	61	98%	0	1.1	1.8	3.3	5.8	14	32	48	77	12	16
AMS21	Conklin	61	97%	0	1.2	2.2	3.2	5.3	12	24	48	89	12	17
AMS22	Janvier	61	100%	1.2	1.5	2	3.4	5.3	13	26	36	59	10	12
AMS30	Ells River	61	97%	0	0.8	1.1	1.6	4	10	22	28	42	7.9	9.3





Volatile Organic Compound Canister - Methyleneethylketone (ppbv) - 2022

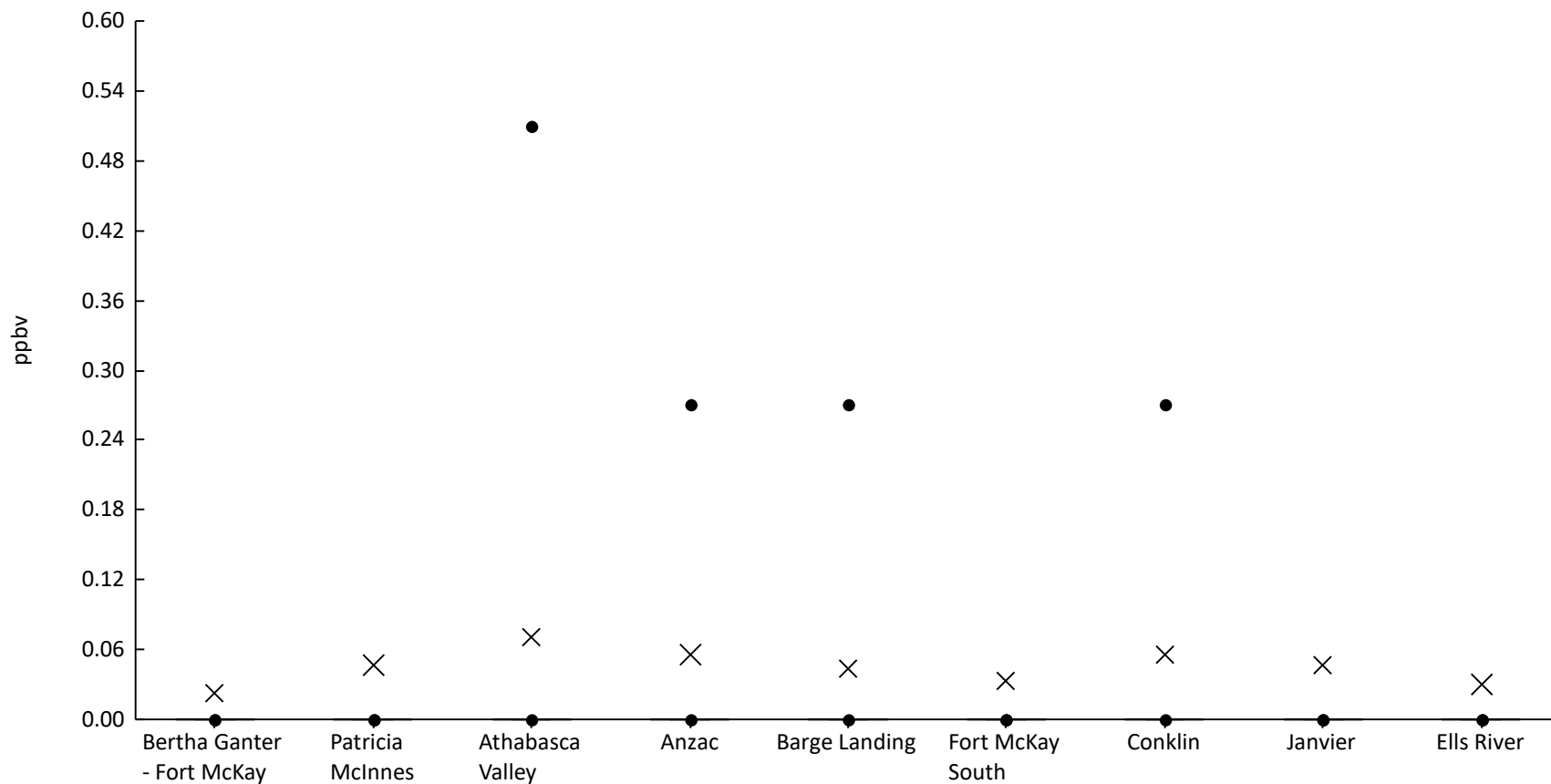
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	8%	0	0	0	0	0	0	0	0.3	0.4	0.026	0.089
AMS06	Patricia McInnes	61	8%	0	0	0	0	0	0	0	0.3	0.4	0.028	0.095
AMS07	Athabasca Valley	59	64%	0	0	0	0	0.4	0.5	0.6	0.7	1	0.31	0.26
AMS14	Anzac	61	11%	0	0	0	0	0	0	0.3	0.35	0.5	0.041	0.12
AMS09	Barge Landing	61	13%	0	0	0	0	0	0	0.3	0.3	0.5	0.046	0.12
AMS13	Fort McKay South	61	13%	0	0	0	0	0	0	0.3	0.35	0.5	0.046	0.12
AMS21	Conklin	61	10%	0	0	0	0	0	0	0.12	0.3	0.3	0.03	0.09
AMS22	Janvier	61	10%	0	0	0	0	0	0	0.12	0.3	0.4	0.033	0.1
AMS30	Ells River	61	8%	0	0	0	0	0	0	0	0.3	0.4	0.026	0.089





Volatile Organic Compound Canister - Methylisobutylketone (ppbv) - 2022

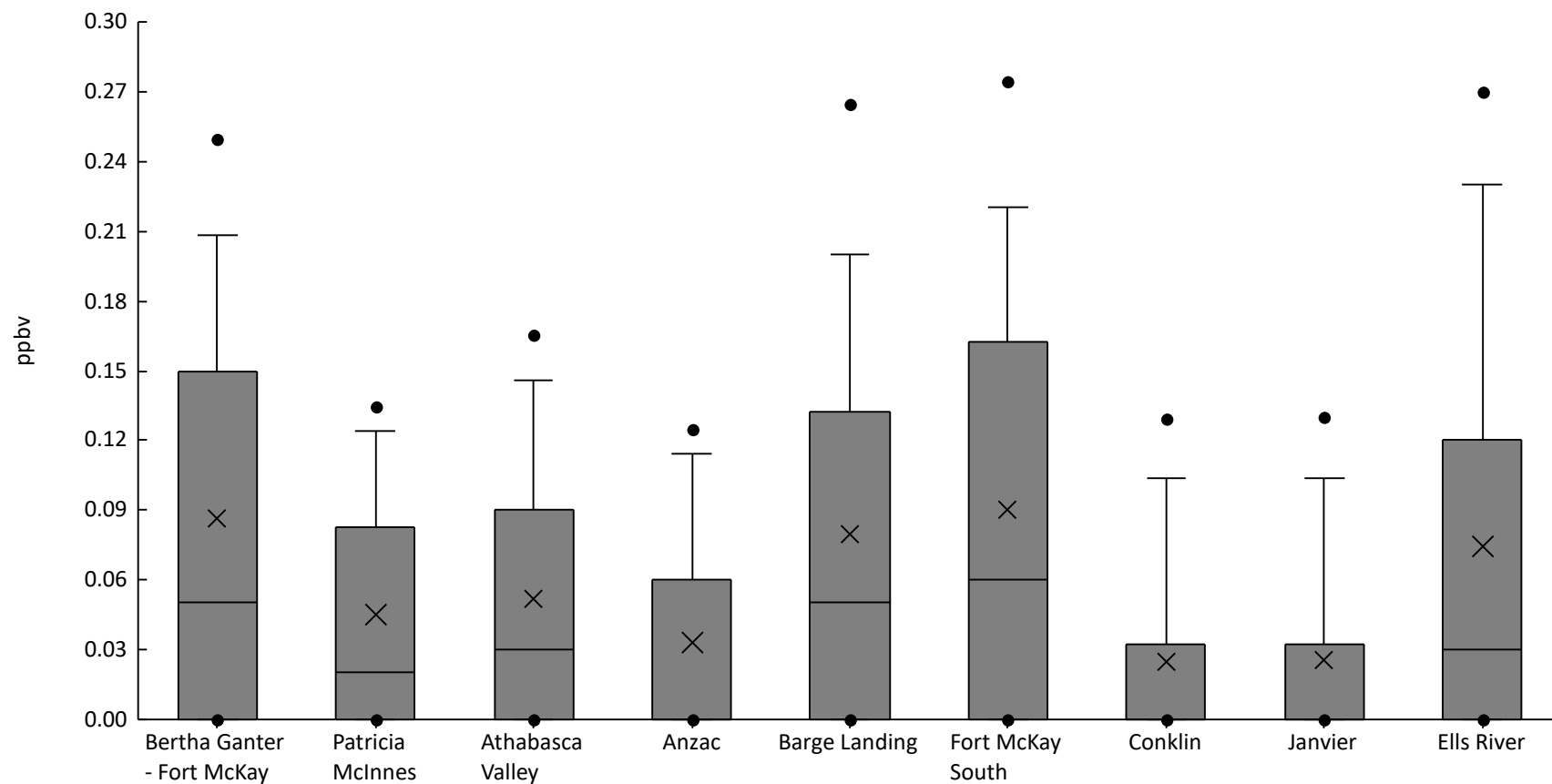
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	2%	0	0	0	0	0	0	0	0	1.4	0.023	0.18
AMS06	Patricia McInnes	61	3%	0	0	0	0	0	0	0	0	1.4	0.046	0.25
AMS07	Athabasca Valley	59	8%	0	0	0	0	0	0	0	0.51	1.4	0.071	0.27
AMS14	Anzac	61	5%	0	0	0	0	0	0	0	0.27	1.4	0.056	0.26
AMS09	Barge Landing	61	5%	0	0	0	0	0	0	0	0.27	1.4	0.044	0.21
AMS13	Fort McKay South	61	3%	0	0	0	0	0	0	0	0	1.4	0.033	0.19
AMS21	Conklin	61	5%	0	0	0	0	0	0	0	0.27	1.4	0.056	0.26
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	1.4	0.046	0.25
AMS30	Ells River	61	3%	0	0	0	0	0	0	0	0	1.4	0.03	0.19





Volatile Organic Compound Canister - Methylcyclohexane (ppbv) - 2022

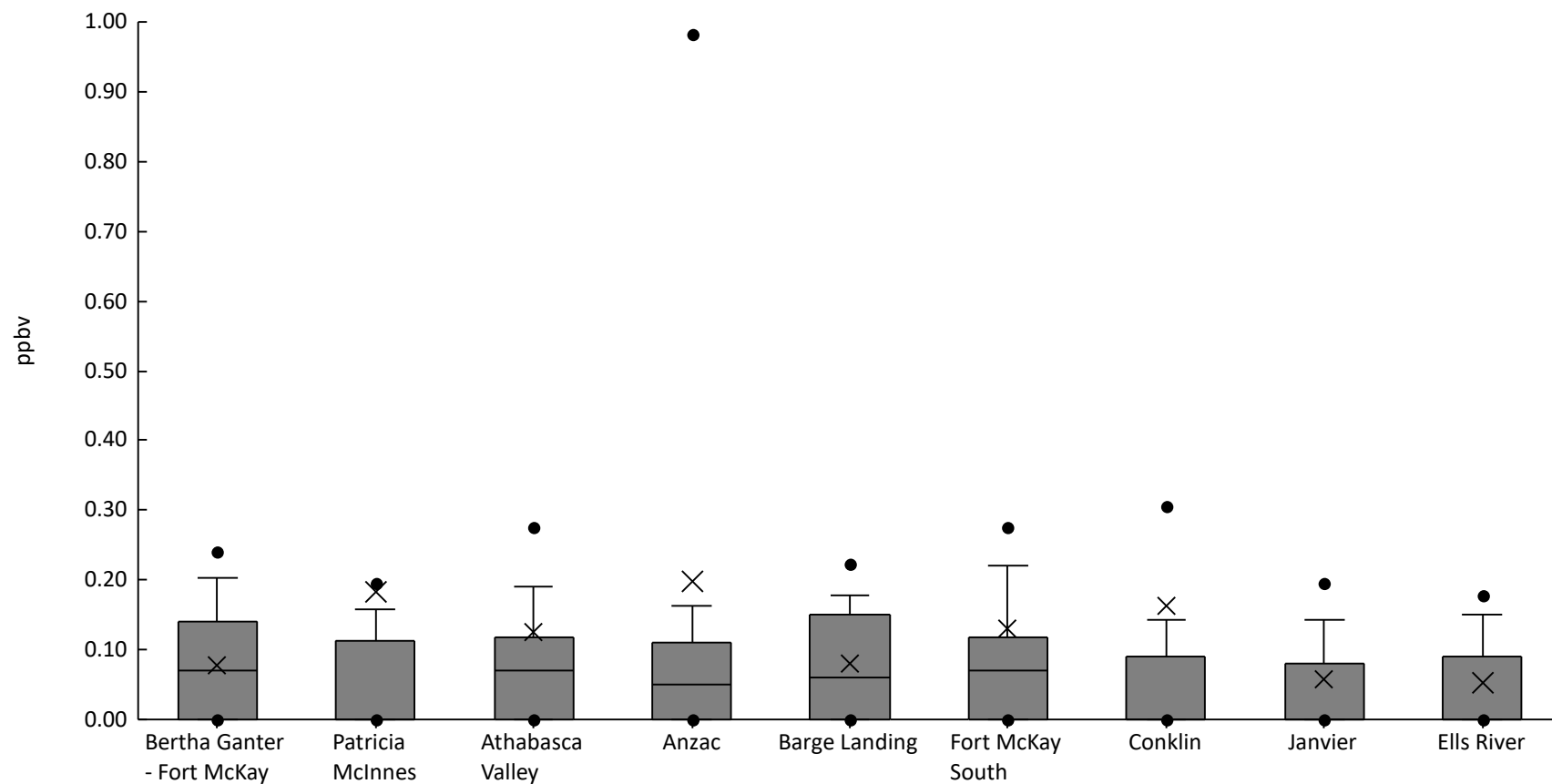
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	70%	0	0	0	0	0.05	0.15	0.21	0.25	0.4	0.086	0.09
AMS06	Patricia McInnes	61	52%	0	0	0	0	0.02	0.083	0.12	0.13	0.21	0.045	0.055
AMS07	Athabasca Valley	59	56%	0	0	0	0	0.03	0.09	0.15	0.17	0.27	0.052	0.066
AMS14	Anzac	61	43%	0	0	0	0	0	0.06	0.11	0.12	0.15	0.033	0.047
AMS09	Barge Landing	61	66%	0	0	0	0	0.05	0.13	0.2	0.26	0.45	0.08	0.093
AMS13	Fort McKay South	61	67%	0	0	0	0	0.06	0.16	0.22	0.27	0.34	0.09	0.093
AMS21	Conklin	61	36%	0	0	0	0	0	0.033	0.1	0.13	0.18	0.025	0.044
AMS22	Janvier	61	36%	0	0	0	0	0	0.033	0.1	0.13	0.17	0.026	0.044
AMS30	Ells River	61	67%	0	0	0	0	0.03	0.12	0.23	0.27	0.29	0.074	0.089





Volatile Organic Compound Canister - Methylcyclopentane (ppbv) - 2022

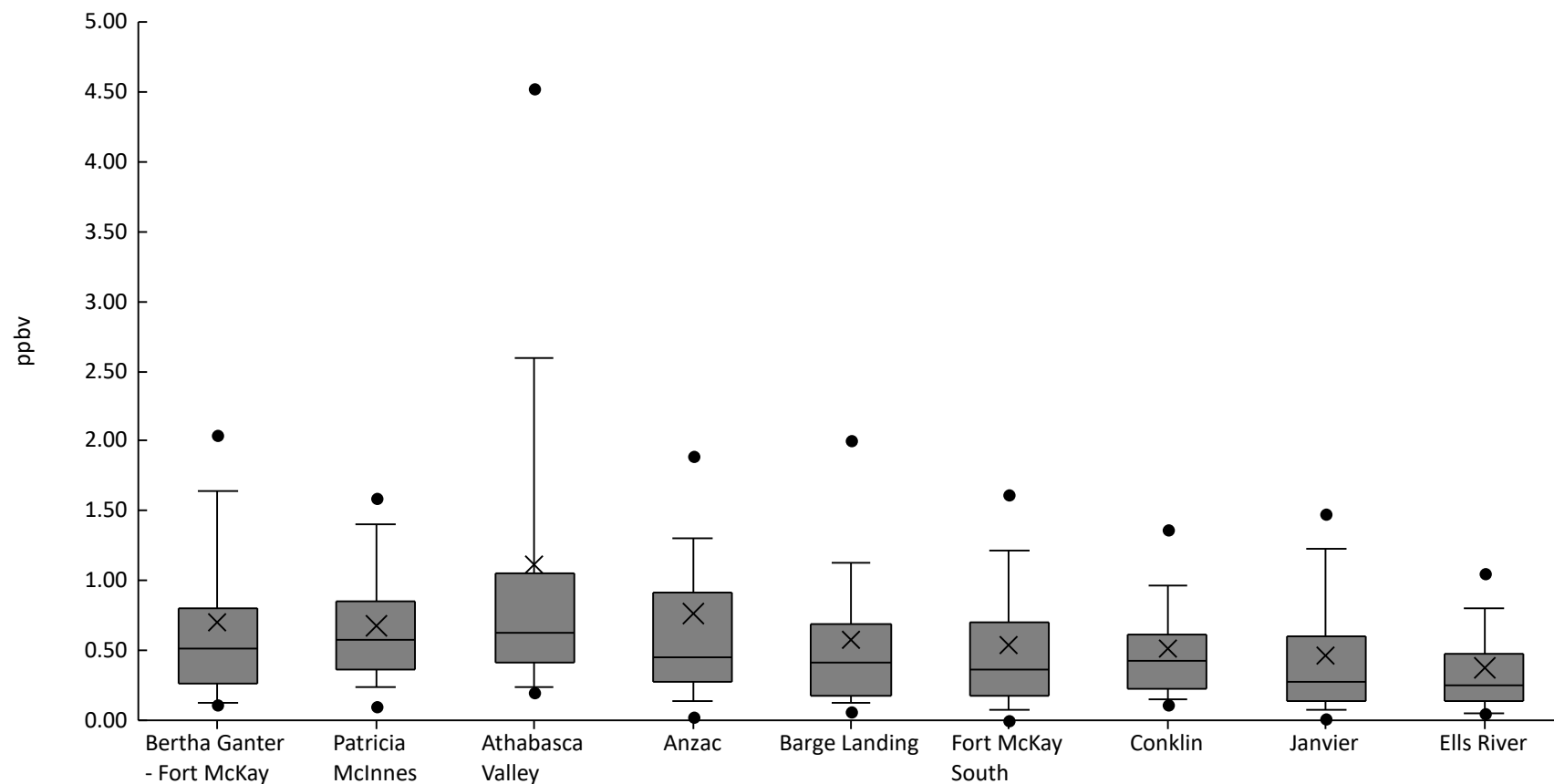
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	57%	0	0	0	0	0.07	0.14	0.2	0.24	0.27	0.077	0.082
AMS06	Patricia McInnes	61	49%	0	0	0	0	0	0.11	0.16	0.19	6.5	0.18	0.85
AMS07	Athabasca Valley	59	64%	0	0	0	0	0.07	0.12	0.19	0.28	2.8	0.13	0.37
AMS14	Anzac	61	51%	0	0	0	0	0.05	0.11	0.16	0.98	5	0.2	0.71
AMS09	Barge Landing	61	57%	0	0	0	0	0.06	0.15	0.18	0.22	0.48	0.08	0.093
AMS13	Fort McKay South	61	62%	0	0	0	0	0.07	0.12	0.22	0.27	3.2	0.13	0.4
AMS21	Conklin	61	41%	0	0	0	0	0	0.09	0.14	0.31	5	0.16	0.7
AMS22	Janvier	61	33%	0	0	0	0	0	0.08	0.14	0.2	0.77	0.057	0.14
AMS30	Ells River	61	43%	0	0	0	0	0	0.09	0.15	0.18	0.25	0.052	0.07





Volatile Organic Compound Canister - n-Butane (ppbv) - 2022

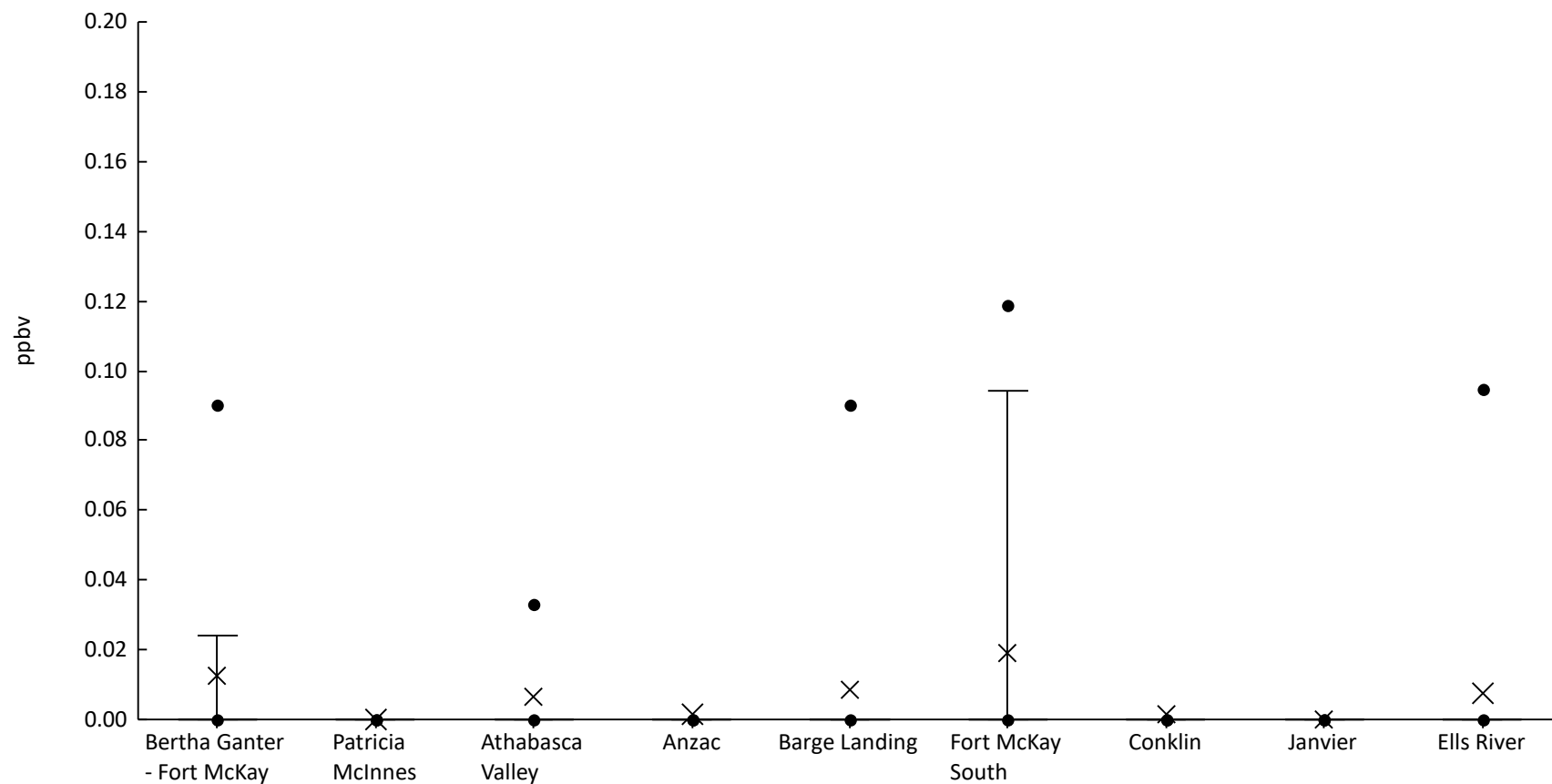
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	0.12	0.13	0.27	0.51	0.8	1.6	2	3.6	0.7	0.68
AMS06	Patricia McInnes	61	98%	0	0.1	0.24	0.36	0.58	0.86	1.4	1.6	2.8	0.68	0.49
AMS07	Athabasca Valley	59	97%	0	0.2	0.24	0.41	0.63	1.1	2.6	4.5	8	1.1	1.4
AMS14	Anzac	61	95%	0	0.028	0.14	0.28	0.45	0.91	1.3	1.9	8.9	0.76	1.2
AMS09	Barge Landing	61	98%	0	0.057	0.12	0.18	0.41	0.7	1.1	2	2.9	0.57	0.6
AMS13	Fort McKay South	61	93%	0	0	0.076	0.18	0.36	0.7	1.2	1.6	2.6	0.53	0.53
AMS21	Conklin	61	98%	0	0.12	0.15	0.23	0.43	0.61	0.96	1.4	2.4	0.51	0.45
AMS22	Janvier	61	95%	0	0.017	0.07	0.14	0.28	0.61	1.2	1.5	2.2	0.47	0.48
AMS30	Ells River	61	98%	0	0.05	0.056	0.14	0.25	0.48	0.8	1	2.2	0.38	0.37





Volatile Organic Compound Canister - n-Decane (ppbv) - 2022

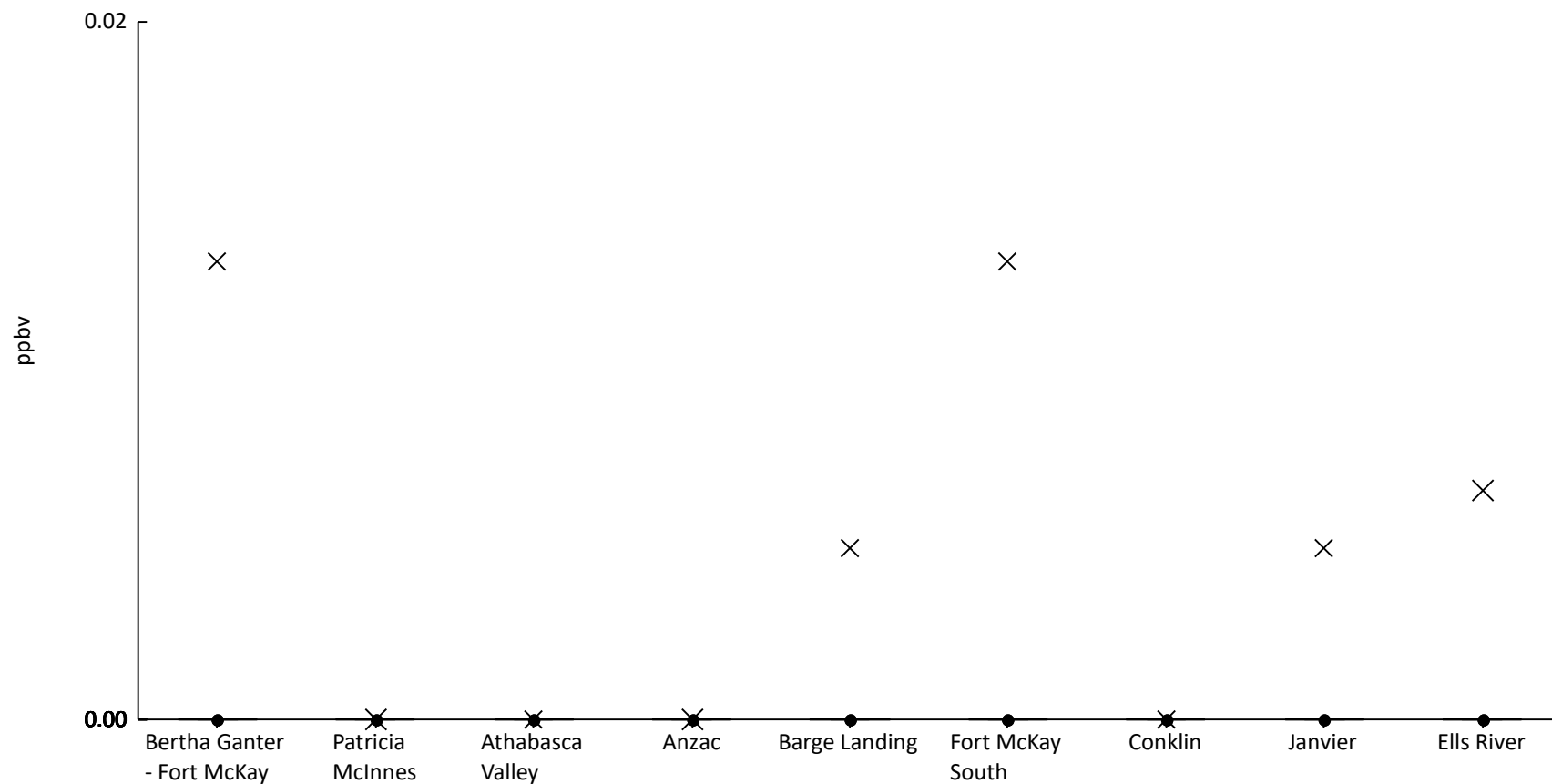
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	10%	0	0	0	0	0	0	0.024	0.09	0.22	0.012	0.043
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	59	5%	0	0	0	0	0	0	0	0.033	0.22	6.3E-3	0.032
AMS14	Anzac	61	2%	0	0	0	0	0	0	0	0	0.09	1.5E-3	0.012
AMS09	Barge Landing	61	7%	0	0	0	0	0	0	0	0.09	0.22	8.7E-3	0.036
AMS13	Fort McKay South	61	15%	0	0	0	0	0	0	0.094	0.12	0.25	0.019	0.052
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.08	1.3E-3	0.01
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	7%	0	0	0	0	0	0	0	0.095	0.15	7.5E-3	0.029





Volatile Organic Compound Canister - n-Dodecane (ppbv) - 2022

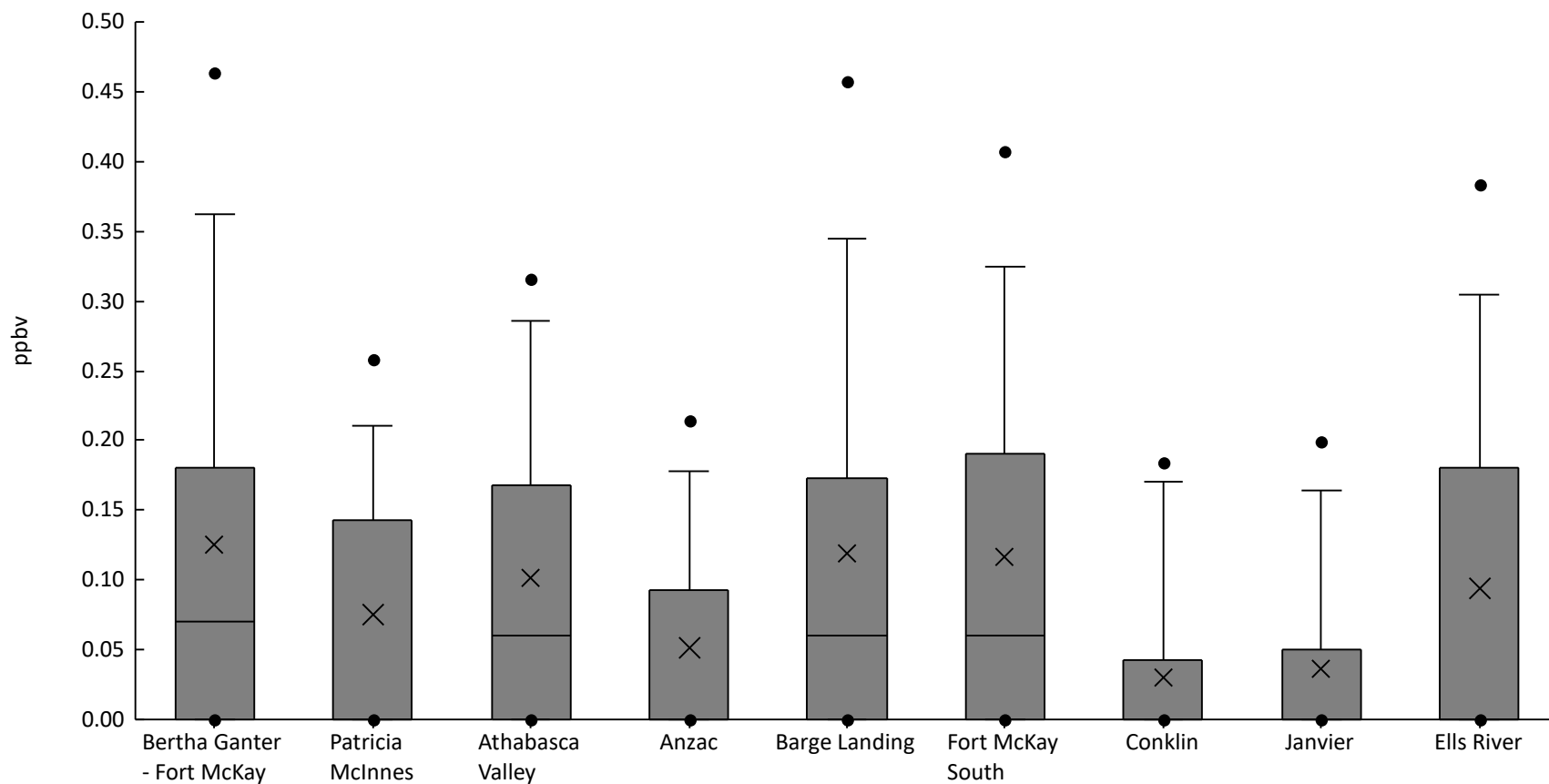
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	3%	0	0	0	0	0	0	0	0	0.5	0.013	0.074
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	2%	0	0	0	0	0	0	0	0	0.3	4.9E-3	0.038
AMS13	Fort McKay South	61	3%	0	0	0	0	0	0	0	0	0.5	0.013	0.074
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.3	4.9E-3	0.038
AMS30	Ells River	61	2%	0	0	0	0	0	0	0	0	0.4	6.6E-3	0.051





Volatile Organic Compound Canister - n-Heptane (ppbv) - 2022

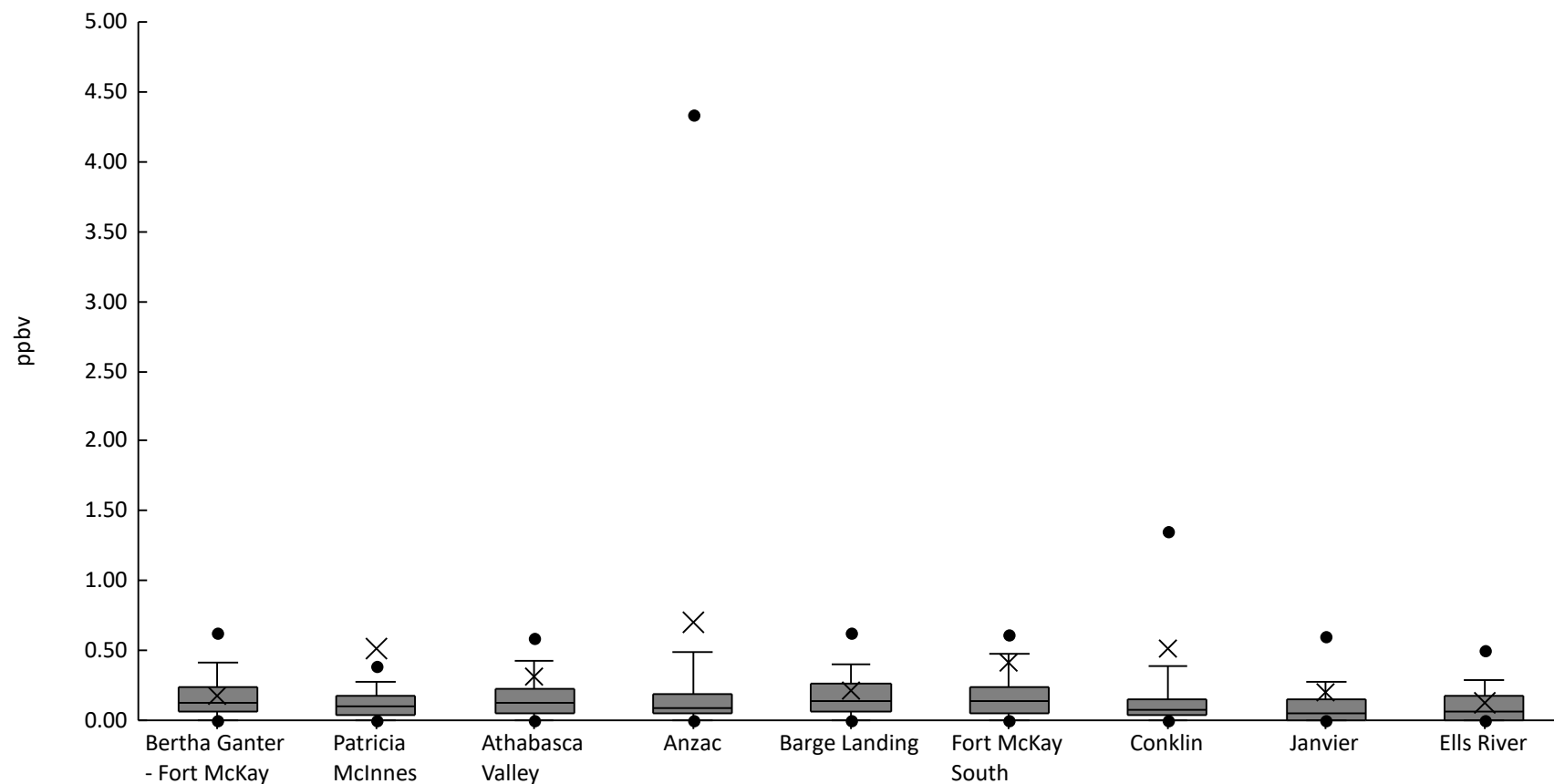
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	66%	0	0	0	0	0.07	0.18	0.36	0.46	0.67	0.12	0.16
AMS06	Patricia McInnes	61	48%	0	0	0	0	0	0.14	0.21	0.26	0.32	0.075	0.094
AMS07	Athabasca Valley	59	53%	0	0	0	0	0.06	0.17	0.29	0.32	0.84	0.1	0.14
AMS14	Anzac	61	39%	0	0	0	0	0	0.093	0.18	0.21	0.27	0.052	0.076
AMS09	Barge Landing	61	61%	0	0	0	0	0.06	0.17	0.34	0.46	0.62	0.12	0.16
AMS13	Fort McKay South	61	61%	0	0	0	0	0.06	0.19	0.32	0.41	0.66	0.12	0.14
AMS21	Conklin	61	26%	0	0	0	0	0	0.043	0.17	0.18	0.26	0.03	0.063
AMS22	Janvier	61	30%	0	0	0	0	0	0.05	0.16	0.2	0.25	0.037	0.067
AMS30	Ells River	61	48%	0	0	0	0	0	0.18	0.3	0.38	0.61	0.094	0.14





Volatile Organic Compound Canister - n-Hexane (ppbv) - 2022

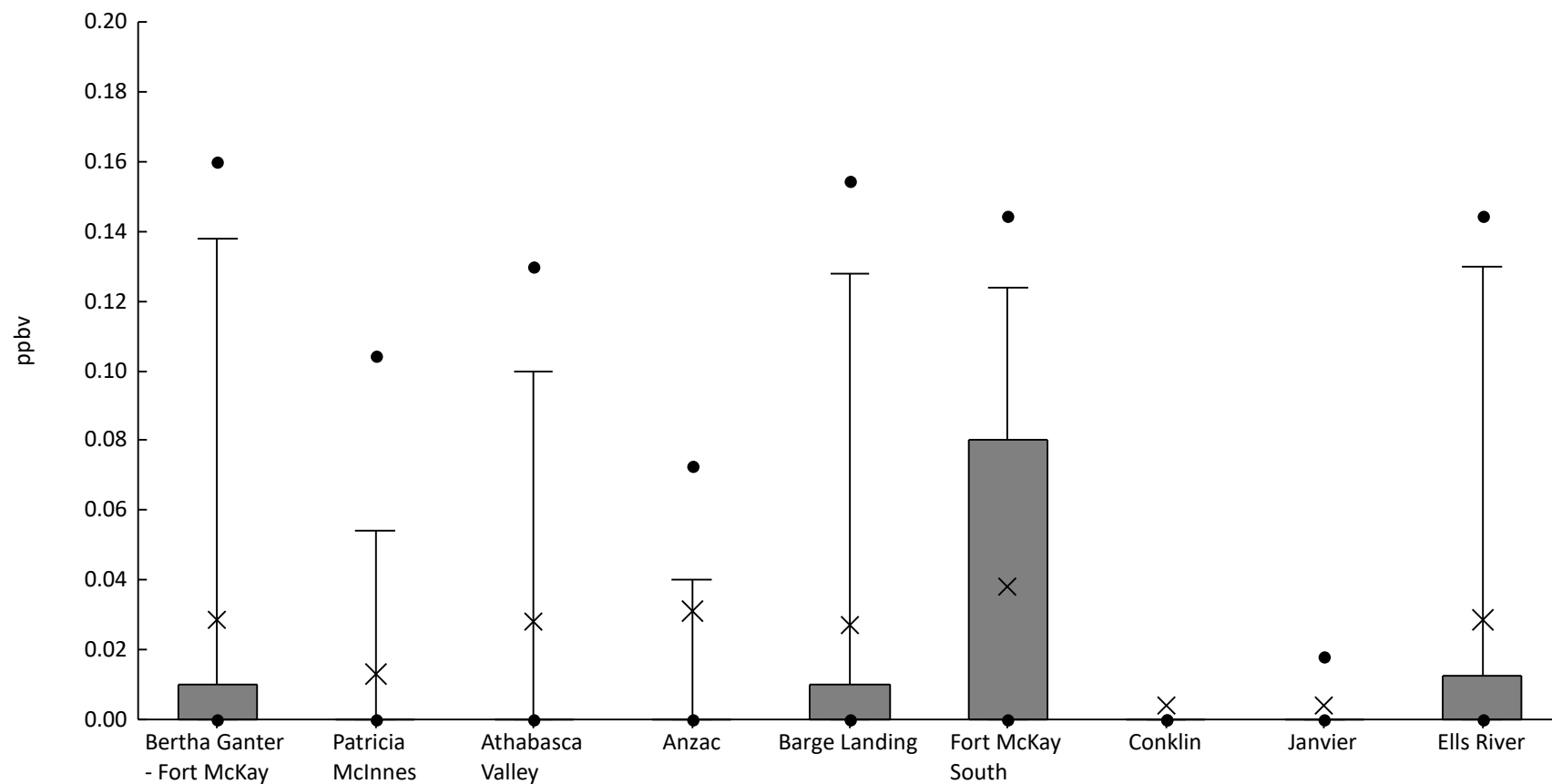
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	85%	0	0	0	0.058	0.13	0.23	0.41	0.62	0.85	0.18	0.18
AMS06	Patricia McInnes	61	82%	0	0	0	0.04	0.1	0.17	0.27	0.39	19	0.51	2.5
AMS07	Athabasca Valley	59	86%	0	0	0	0.05	0.12	0.22	0.43	0.59	8.3	0.31	1.1
AMS14	Anzac	61	85%	0	0	0	0.055	0.09	0.19	0.49	4.3	15	0.7	2.5
AMS09	Barge Landing	61	87%	0	0	0	0.058	0.14	0.26	0.41	0.63	1.9	0.21	0.29
AMS13	Fort McKay South	61	82%	0	0	0	0.048	0.14	0.23	0.48	0.61	15	0.42	2
AMS21	Conklin	61	77%	0	0	0	0.038	0.07	0.15	0.39	1.4	15	0.51	2.1
AMS22	Janvier	61	70%	0	0	0	0	0.05	0.15	0.28	0.6	3.4	0.2	0.55
AMS30	Ells River	61	72%	0	0	0	0	0.06	0.17	0.29	0.5	0.61	0.12	0.15





Volatile Organic Compound Canister - n-Nonane (ppbv) - 2022

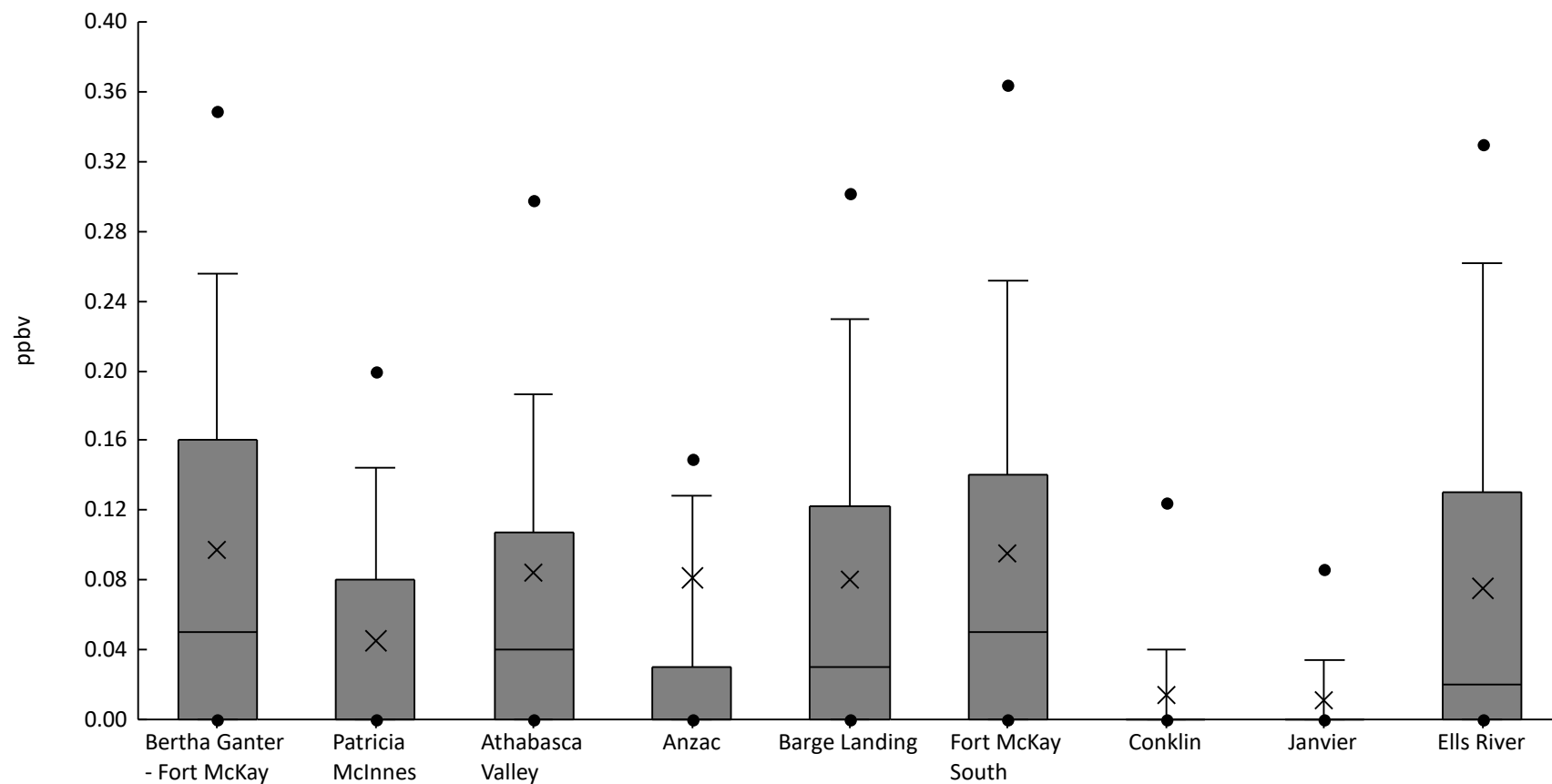
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	25%	0	0	0	0	0	0.01	0.14	0.16	0.18	0.029	0.055
AMS06	Patricia McInnes	61	16%	0	0	0	0	0	0	0.054	0.1	0.12	0.013	0.032
AMS07	Athabasca Valley	59	24%	0	0	0	0	0	0	0.1	0.13	0.56	0.028	0.08
AMS14	Anzac	61	11%	0	0	0	0	0	0	0.04	0.072	1.5	0.031	0.19
AMS09	Barge Landing	61	25%	0	0	0	0	0	0.01	0.13	0.15	0.17	0.027	0.052
AMS13	Fort McKay South	61	39%	0	0	0	0	0	0.08	0.12	0.14	0.18	0.038	0.054
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.13	3.8E-3	0.021
AMS22	Janvier	61	5%	0	0	0	0	0	0	0	0.018	0.11	4.1E-3	0.019
AMS30	Ells River	61	25%	0	0	0	0	0	0.013	0.13	0.14	0.16	0.029	0.053





Volatile Organic Compound Canister - n-Octane (ppbv) - 2022

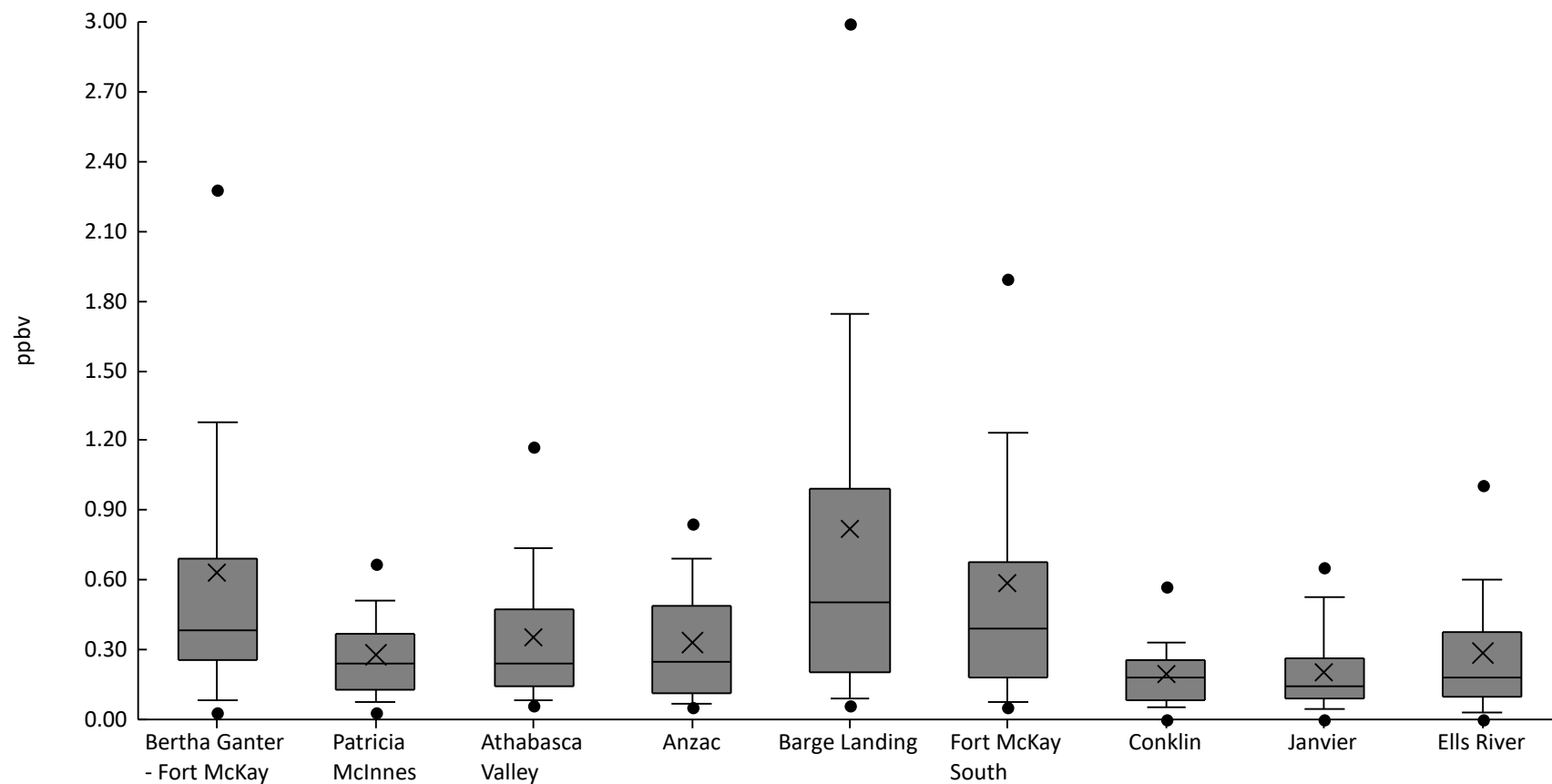
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	67%	0	0	0	0	0.05	0.16	0.26	0.35	0.5	0.098	0.12
AMS06	Patricia McInnes	61	48%	0	0	0	0	0	0.08	0.14	0.2	0.27	0.046	0.065
AMS07	Athabasca Valley	59	68%	0	0	0	0	0.04	0.11	0.19	0.3	1	0.085	0.15
AMS14	Anzac	61	34%	0	0	0	0	0	0.03	0.13	0.15	3.5	0.081	0.44
AMS09	Barge Landing	61	64%	0	0	0	0	0.03	0.12	0.23	0.3	0.56	0.08	0.11
AMS13	Fort McKay South	61	64%	0	0	0	0	0.05	0.14	0.25	0.36	0.41	0.095	0.11
AMS21	Conklin	61	21%	0	0	0	0	0	0	0.04	0.12	0.16	0.014	0.035
AMS22	Janvier	61	20%	0	0	0	0	0	0	0.034	0.086	0.14	0.011	0.031
AMS30	Ells River	61	54%	0	0	0	0	0.02	0.13	0.26	0.33	0.39	0.076	0.11





Volatile Organic Compound Canister - n-Pentane (ppbv) - 2022

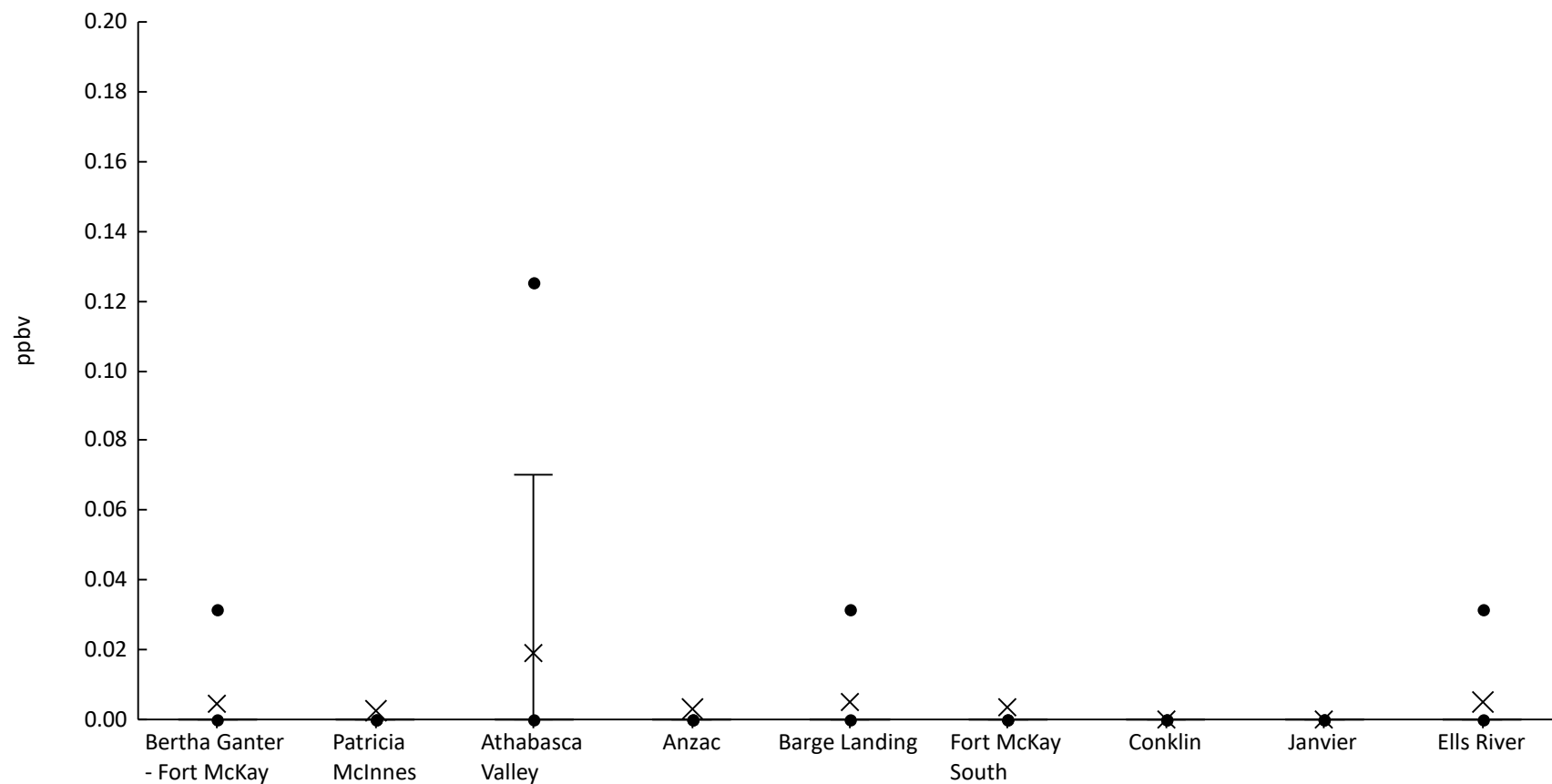
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	95%	0	0.028	0.086	0.26	0.38	0.7	1.3	2.3	4.7	0.63	0.85
AMS06	Patricia McInnes	61	95%	0	0.028	0.076	0.13	0.24	0.37	0.51	0.67	1.2	0.28	0.22
AMS07	Athabasca Valley	59	97%	0	0.06	0.08	0.14	0.24	0.47	0.74	1.2	1.8	0.35	0.34
AMS14	Anzac	61	98%	0	0.056	0.07	0.11	0.25	0.49	0.69	0.84	1.5	0.33	0.3
AMS09	Barge Landing	61	98%	0	0.061	0.092	0.2	0.5	0.99	1.7	3	7.2	0.82	1.1
AMS13	Fort McKay South	61	97%	0	0.05	0.076	0.18	0.39	0.68	1.2	1.9	3.6	0.59	0.69
AMS21	Conklin	61	92%	0	0	0.05	0.085	0.18	0.25	0.33	0.57	0.89	0.2	0.17
AMS22	Janvier	61	93%	0	0	0.046	0.09	0.14	0.26	0.53	0.65	0.76	0.2	0.18
AMS30	Ells River	61	90%	0	0	0.03	0.098	0.18	0.38	0.6	1	1.9	0.28	0.34





Volatile Organic Compound Canister - n-Propylbenzene (ppbv) - 2022

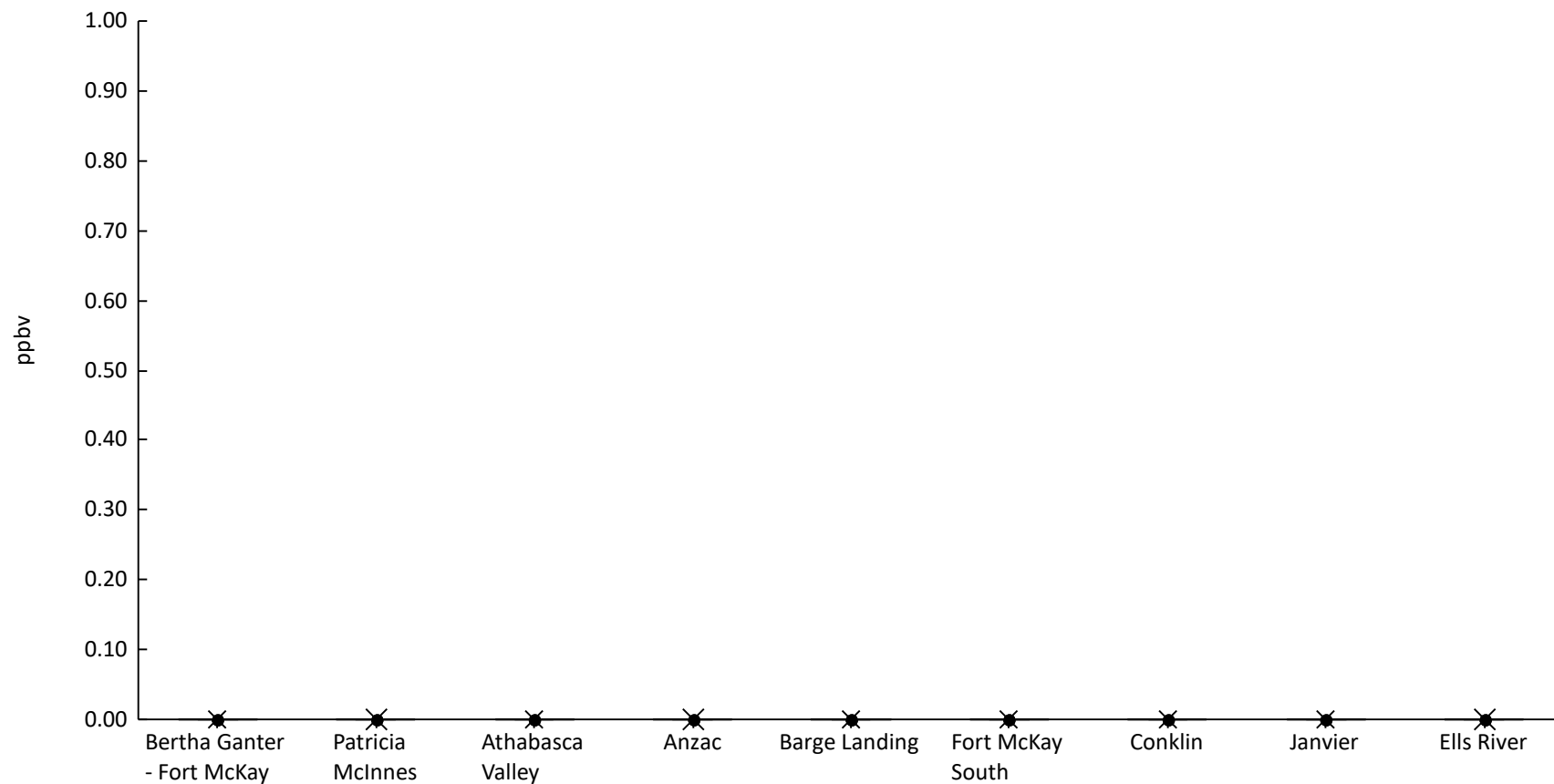
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	5%	0	0	0	0	0	0	0	0.031	0.12	4.4E-3	0.02
AMS06	Patricia McInnes	61	3%	0	0	0	0	0	0	0	0	0.09	2.6E-3	0.014
AMS07	Athabasca Valley	59	12%	0	0	0	0	0	0	0.07	0.13	0.38	0.019	0.065
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.09	2.8E-3	0.015
AMS09	Barge Landing	61	5%	0	0	0	0	0	0	0	0.031	0.13	4.9E-3	0.022
AMS13	Fort McKay South	61	3%	0	0	0	0	0	0	0	0	0.13	3.3E-3	0.019
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.031	0.13	5.2E-3	0.024





Volatile Organic Compound Canister - n-Undecane (ppbv) - 2022

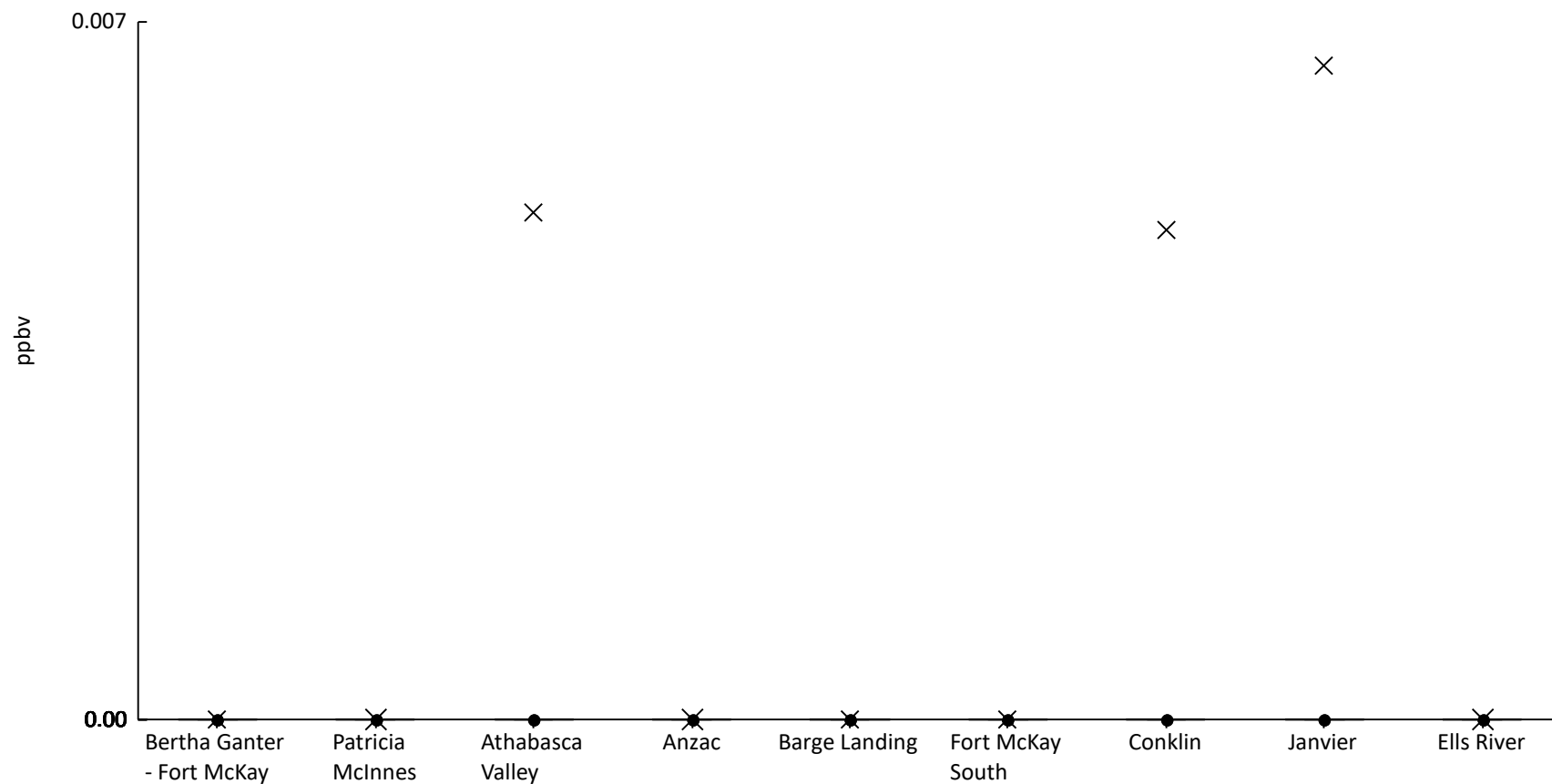
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61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





Volatile Organic Compound Canister - Naphthalene (ppbv) - 2022

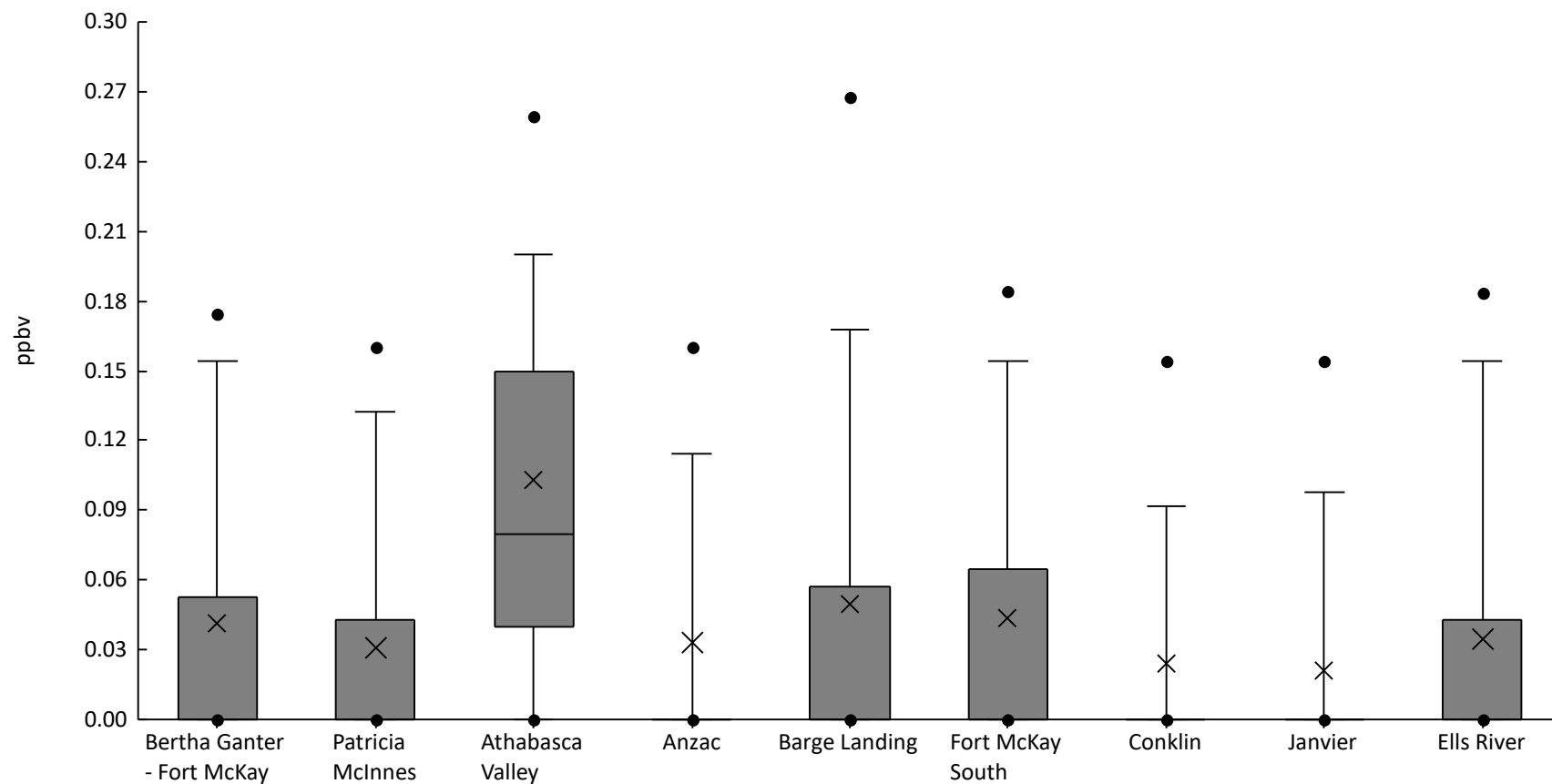
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	59	2%	0	0	0	0	0	0	0	0	0.3	5.1E-3	0.039
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.3	4.9E-3	0.038
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.4	6.6E-3	0.051
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0





Volatile Organic Compound Canister - o-Xylene (ppbv) - 2022

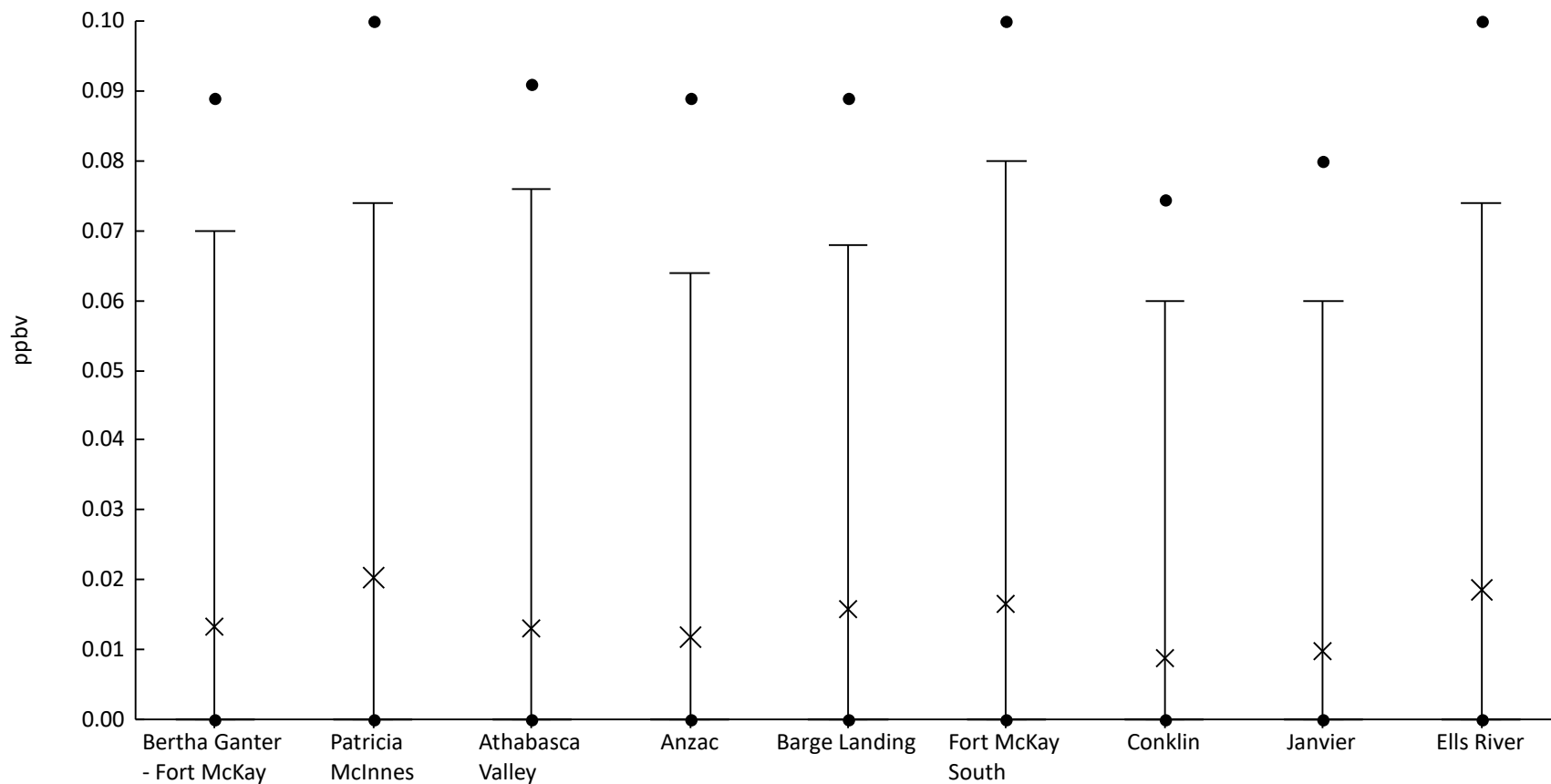
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	33%	0	0	0	0	0	0.053	0.15	0.17	0.41	0.041	0.077
AMS06	Patricia McInnes	61	33%	0	0	0	0	0	0.043	0.13	0.16	0.19	0.031	0.054
AMS07	Athabasca Valley	59	83%	0	0	0	0.04	0.08	0.15	0.2	0.26	0.43	0.1	0.088
AMS14	Anzac	61	21%	0	0	0	0	0	0	0.11	0.16	0.81	0.033	0.11
AMS09	Barge Landing	61	33%	0	0	0	0	0	0.058	0.17	0.27	0.41	0.05	0.096
AMS13	Fort McKay South	61	34%	0	0	0	0	0	0.065	0.15	0.18	0.42	0.043	0.079
AMS21	Conklin	61	18%	0	0	0	0	0	0	0.092	0.15	0.41	0.024	0.067
AMS22	Janvier	61	20%	0	0	0	0	0	0	0.098	0.15	0.18	0.021	0.049
AMS30	Ells River	61	28%	0	0	0	0	0	0.043	0.15	0.18	0.26	0.034	0.067





Volatile Organic Compound Canister - Styrene (ppbv) - 2022

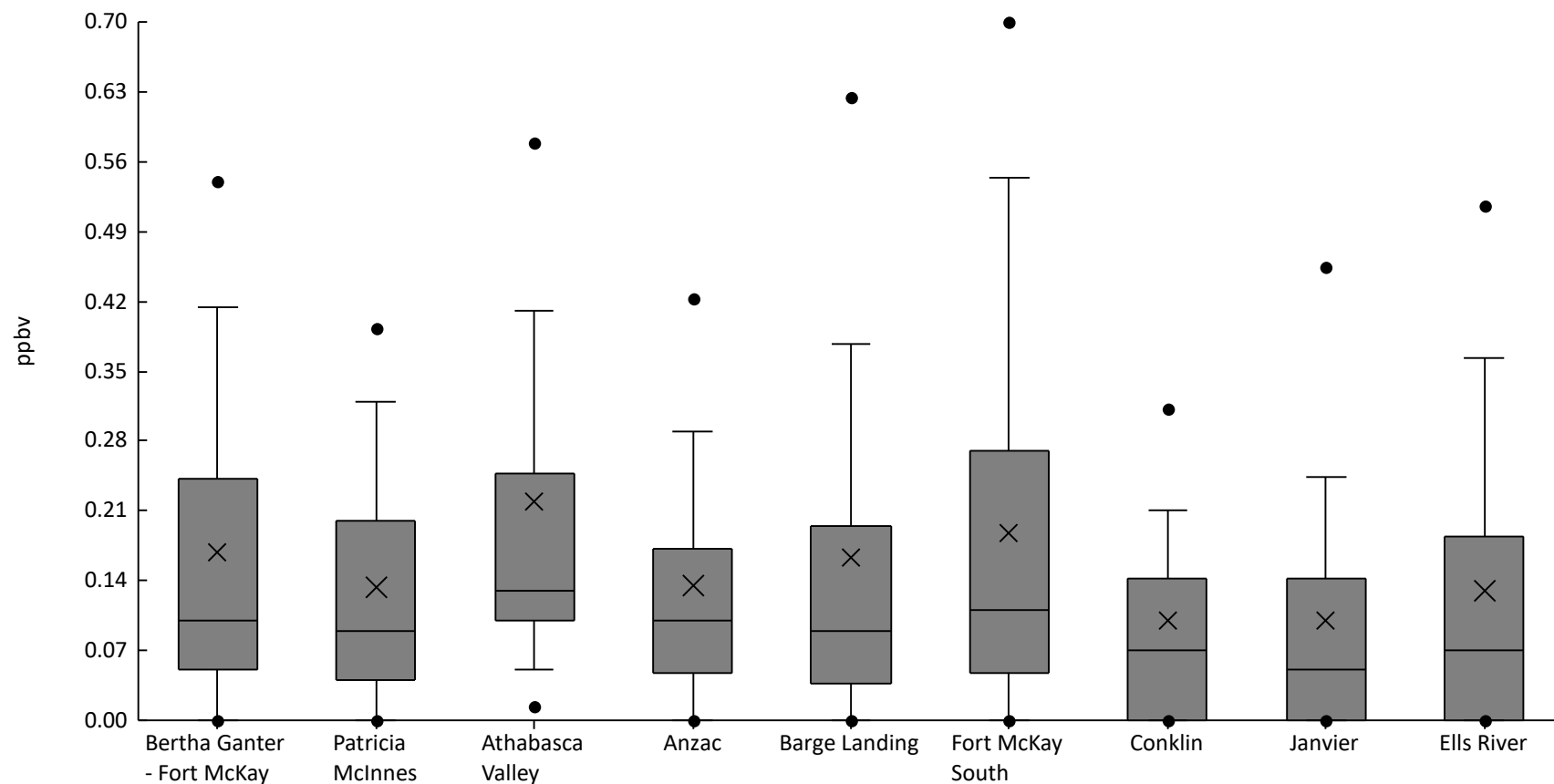
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	16%	0	0	0	0	0	0	0.07	0.089	0.16	0.013	0.033
AMS06	Patricia McInnes	61	18%	0	0	0	0	0	0	0.074	0.1	0.47	0.02	0.066
AMS07	Athabasca Valley	59	17%	0	0	0	0	0	0	0.076	0.091	0.1	0.013	0.03
AMS14	Anzac	61	16%	0	0	0	0	0	0	0.064	0.089	0.1	0.012	0.028
AMS09	Barge Landing	61	16%	0	0	0	0	0	0	0.068	0.089	0.24	0.016	0.043
AMS13	Fort McKay South	61	20%	0	0	0	0	0	0	0.08	0.1	0.16	0.017	0.036
AMS21	Conklin	61	11%	0	0	0	0	0	0	0.06	0.075	0.1	8.7E-3	0.025
AMS22	Janvier	61	13%	0	0	0	0	0	0	0.06	0.08	0.11	9.8E-3	0.026
AMS30	Ells River	61	18%	0	0	0	0	0	0	0.074	0.1	0.26	0.019	0.047





Volatile Organic Compound Canister - Toluene (ppbv) - 2022

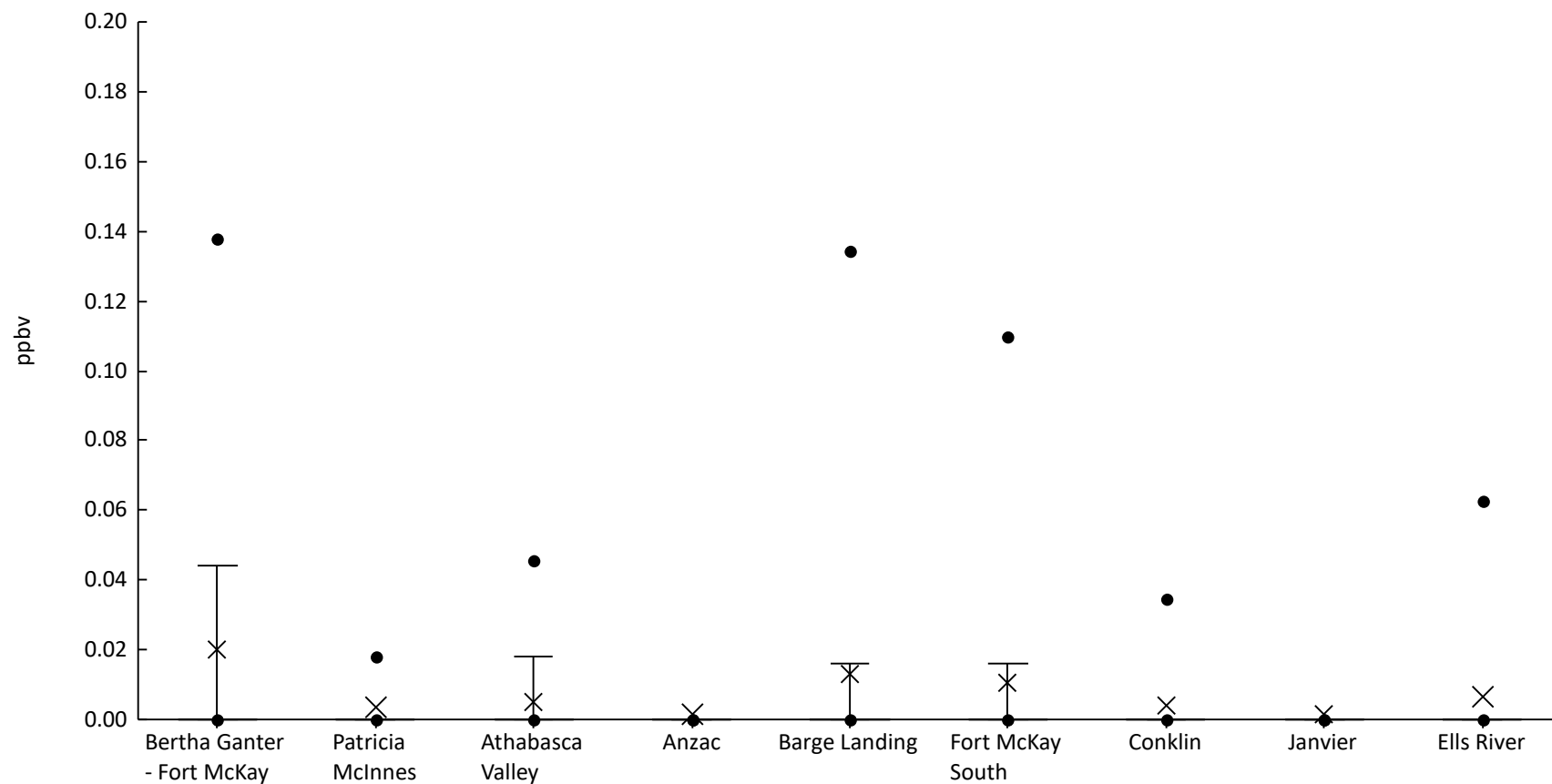
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	85%	0	0	0	0.05	0.1	0.24	0.41	0.54	0.74	0.17	0.17
AMS06	Patricia McInnes	61	80%	0	0	0	0.04	0.09	0.2	0.32	0.39	0.61	0.13	0.13
AMS07	Athabasca Valley	59	95%	0	0.014	0.05	0.1	0.13	0.25	0.41	0.58	2.3	0.22	0.31
AMS14	Anzac	61	84%	0	0	0	0.048	0.1	0.17	0.29	0.42	0.68	0.13	0.14
AMS09	Barge Landing	61	75%	0	0	0	0.038	0.09	0.2	0.38	0.62	1.2	0.16	0.22
AMS13	Fort McKay South	61	79%	0	0	0	0.048	0.11	0.27	0.54	0.7	0.84	0.19	0.21
AMS21	Conklin	61	74%	0	0	0	0	0.07	0.14	0.21	0.31	0.61	0.1	0.12
AMS22	Janvier	61	64%	0	0	0	0	0.05	0.14	0.24	0.45	0.6	0.1	0.14
AMS30	Ells River	61	70%	0	0	0	0	0.07	0.19	0.36	0.52	0.64	0.13	0.16





Volatile Organic Compound Canister - trans-2-Butene (ppbv) - 2022

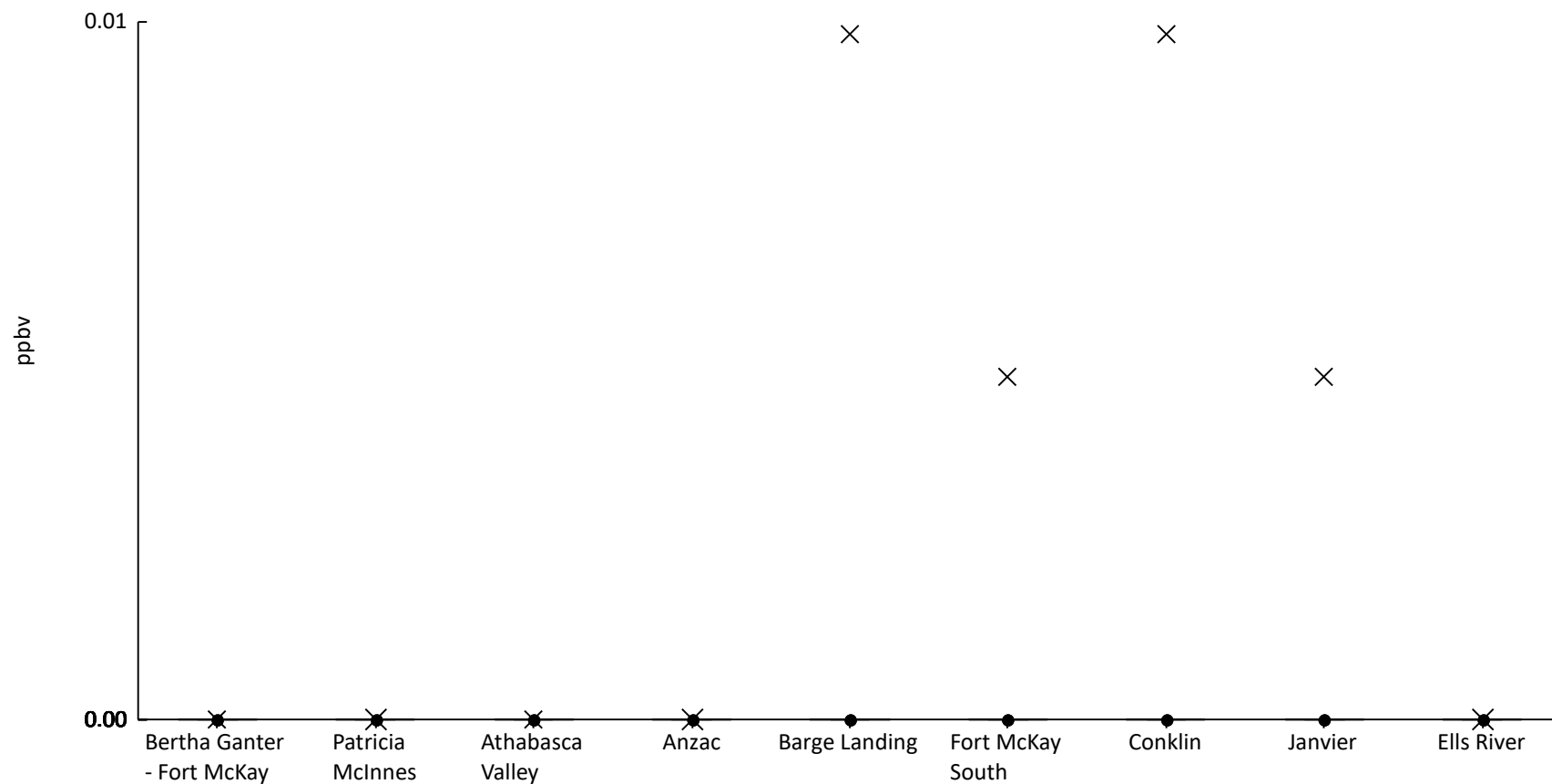
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	15%	0	0	0	0	0	0	0.044	0.14	0.5	0.02	0.072
AMS06	Patricia McInnes	61	5%	0	0	0	0	0	0	0	0.018	0.09	3.4E-3	0.016
AMS07	Athabasca Valley	59	10%	0	0	0	0	0	0	0.018	0.046	0.1	5.3E-3	0.017
AMS14	Anzac	61	3%	0	0	0	0	0	0	0	0	0.05	1.5E-3	8.1E-3
AMS09	Barge Landing	61	10%	0	0	0	0	0	0	0.016	0.13	0.26	0.013	0.045
AMS13	Fort McKay South	61	10%	0	0	0	0	0	0	0.016	0.11	0.15	0.01	0.034
AMS21	Conklin	61	7%	0	0	0	0	0	0	0	0.035	0.1	3.8E-3	0.016
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.04	1.3E-3	7.2E-3
AMS30	Ells River	61	7%	0	0	0	0	0	0	0	0.062	0.15	6.7E-3	0.028





Volatile Organic Compound Canister - trans-2-Hexene (ppbv) - 2022

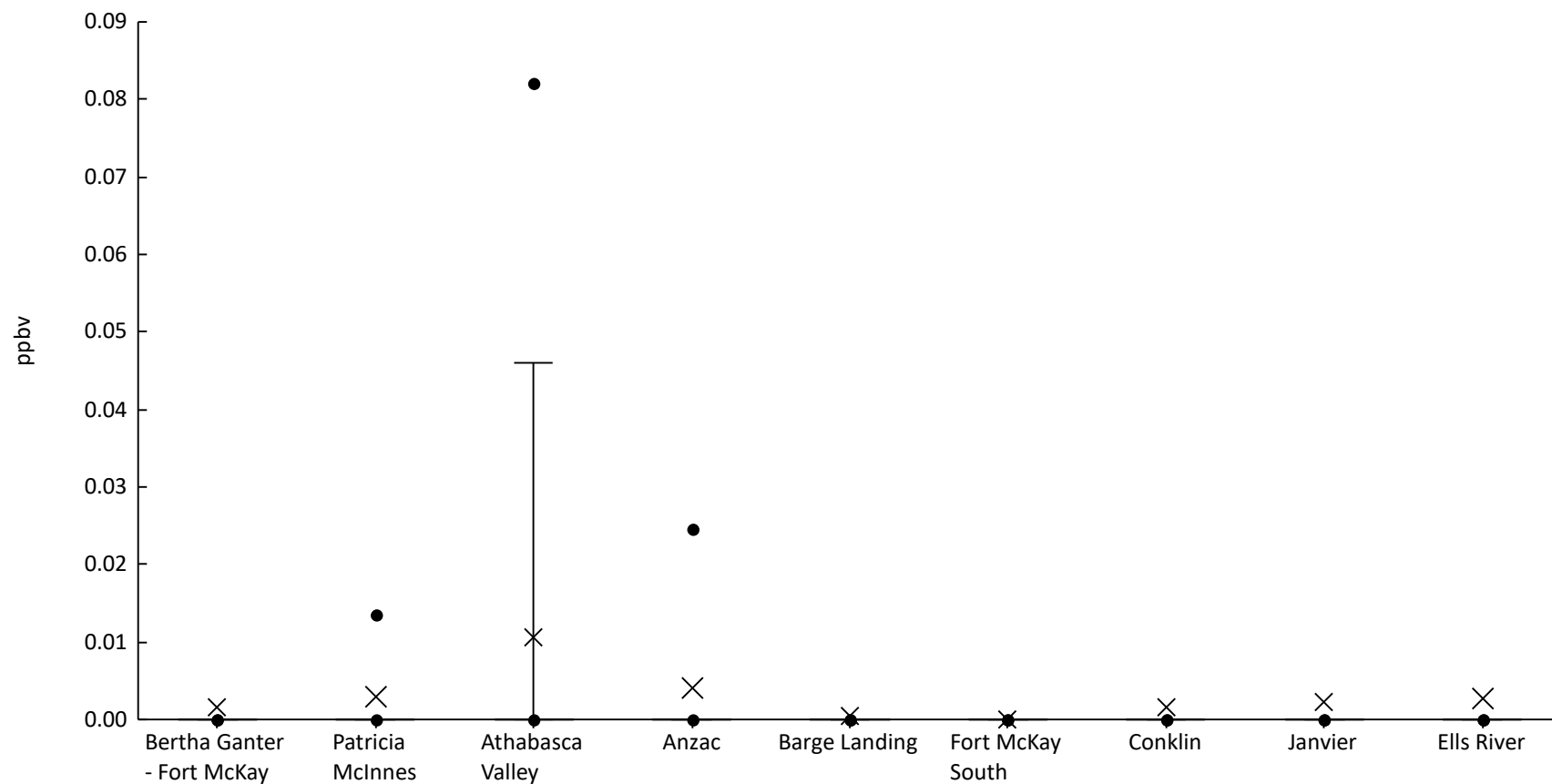
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS09	Barge Landing	61	3%	0	0	0	0	0	0	0	0	0.3	9.8E-3	0.054
AMS13	Fort McKay South	61	2%	0	0	0	0	0	0	0	0	0.3	4.9E-3	0.038
AMS21	Conklin	61	3%	0	0	0	0	0	0	0	0	0.3	9.8E-3	0.054
AMS22	Janvier	61	2%	0	0	0	0	0	0	0	0	0.3	4.9E-3	0.038
AMS30	Ells River	61	0%	0	0	0	0	0	0	0	0	0	0	0





Volatile Organic Compound Canister - trans-2-Pentene (ppbv) - 2022

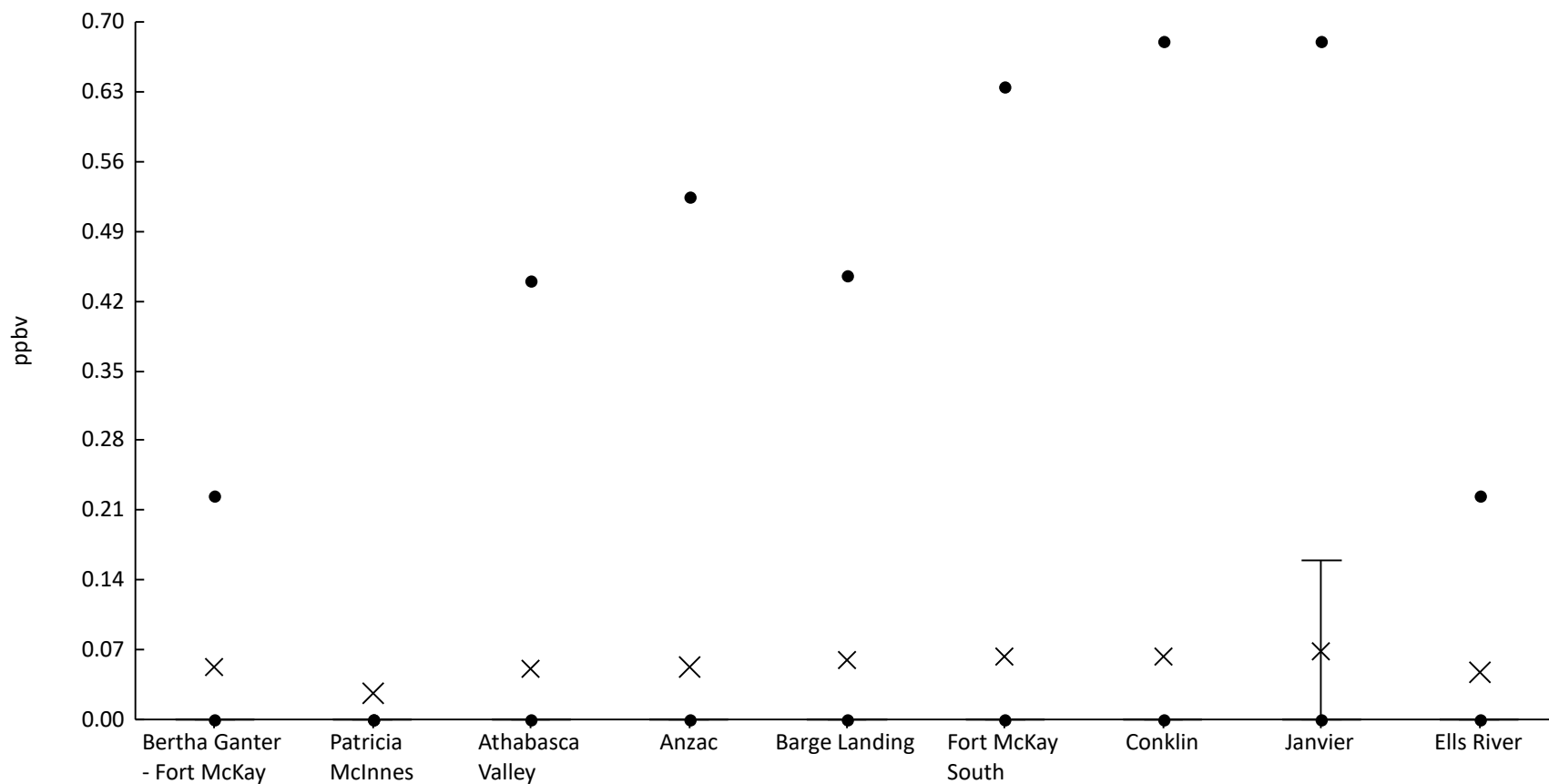
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	2%	0	0	0	0	0	0	0	0	0.1	1.6E-3	0.013
AMS06	Patricia McInnes	61	5%	0	0	0	0	0	0	0	0.013	0.09	3E-3	0.014
AMS07	Athabasca Valley	59	15%	0	0	0	0	0	0	0.046	0.082	0.15	0.011	0.03
AMS14	Anzac	61	8%	0	0	0	0	0	0	0	0.025	0.09	4.1E-3	0.017
AMS09	Barge Landing	61	2%	0	0	0	0	0	0	0	0	0.03	4.9E-4	3.8E-3
AMS13	Fort McKay South	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	2%	0	0	0	0	0	0	0	0	0.09	1.5E-3	0.012
AMS22	Janvier	61	3%	0	0	0	0	0	0	0	0	0.08	2.3E-3	0.013
AMS30	Ells River	61	3%	0	0	0	0	0	0	0	0	0.13	2.6E-3	0.017





Volatile Organic Compound Canister - Methylvinylketone (ppbv) - 2022

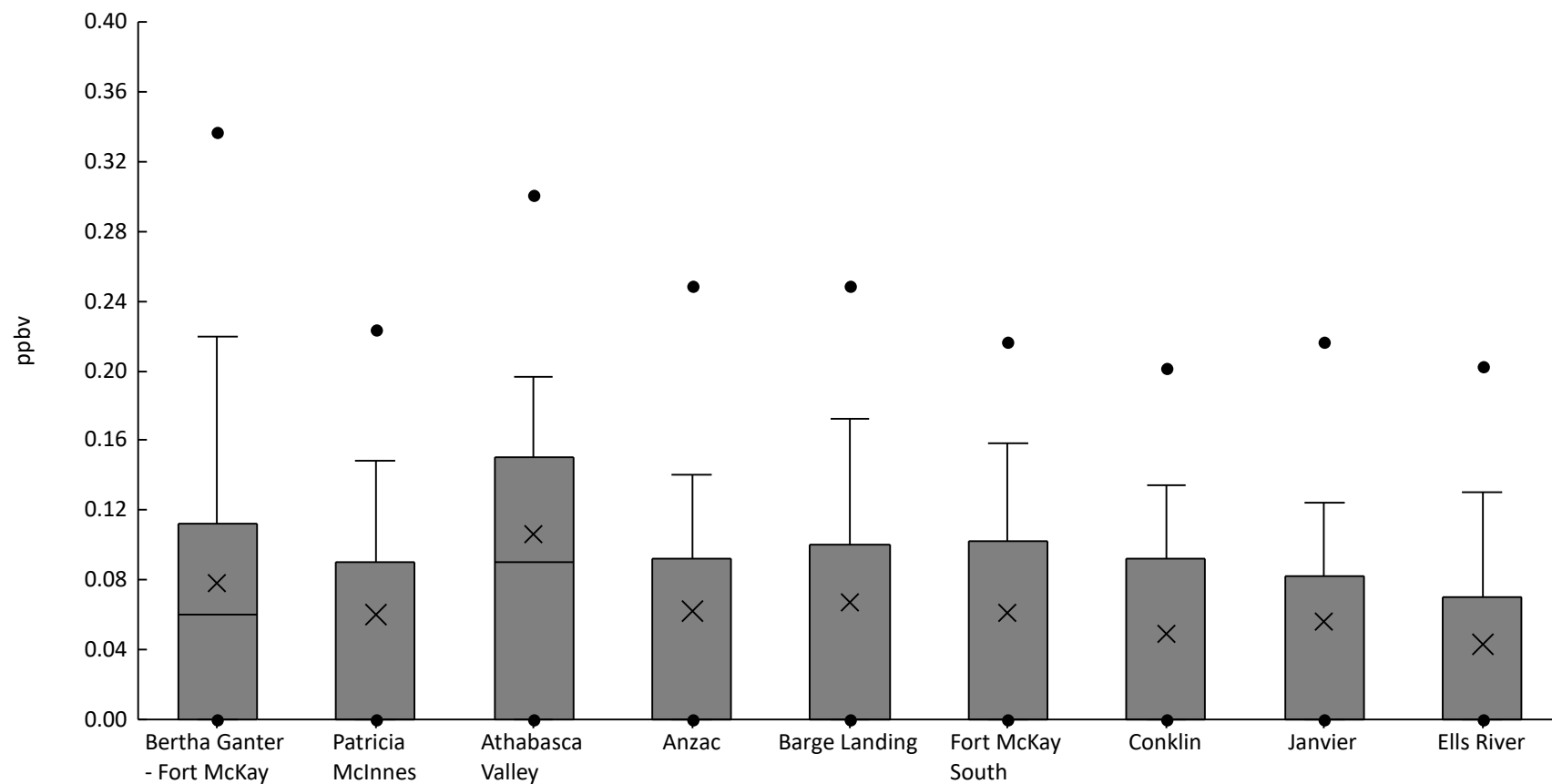
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	5%	0	0	0	0	0	0	0	0.22	1.8	0.052	0.26
AMS06	Patricia McInnes	61	3%	0	0	0	0	0	0	0	0	0.8	0.026	0.14
AMS07	Athabasca Valley	59	5%	0	0	0	0	0	0	0	0.44	1.2	0.051	0.22
AMS14	Anzac	61	7%	0	0	0	0	0	0	0	0.52	1.1	0.052	0.21
AMS09	Barge Landing	61	8%	0	0	0	0	0	0	0	0.45	1.3	0.059	0.23
AMS13	Fort McKay South	61	8%	0	0	0	0	0	0	0	0.63	1.4	0.064	0.24
AMS21	Conklin	61	8%	0	0	0	0	0	0	0	0.68	1.2	0.064	0.23
AMS22	Janvier	61	10%	0	0	0	0	0	0	0.16	0.68	1	0.069	0.23
AMS30	Ells River	61	5%	0	0	0	0	0	0	0	0.22	1.5	0.048	0.23





Volatile Organic Compound Canister - 1-Butene/Isobutylene (ppbv) - 2022

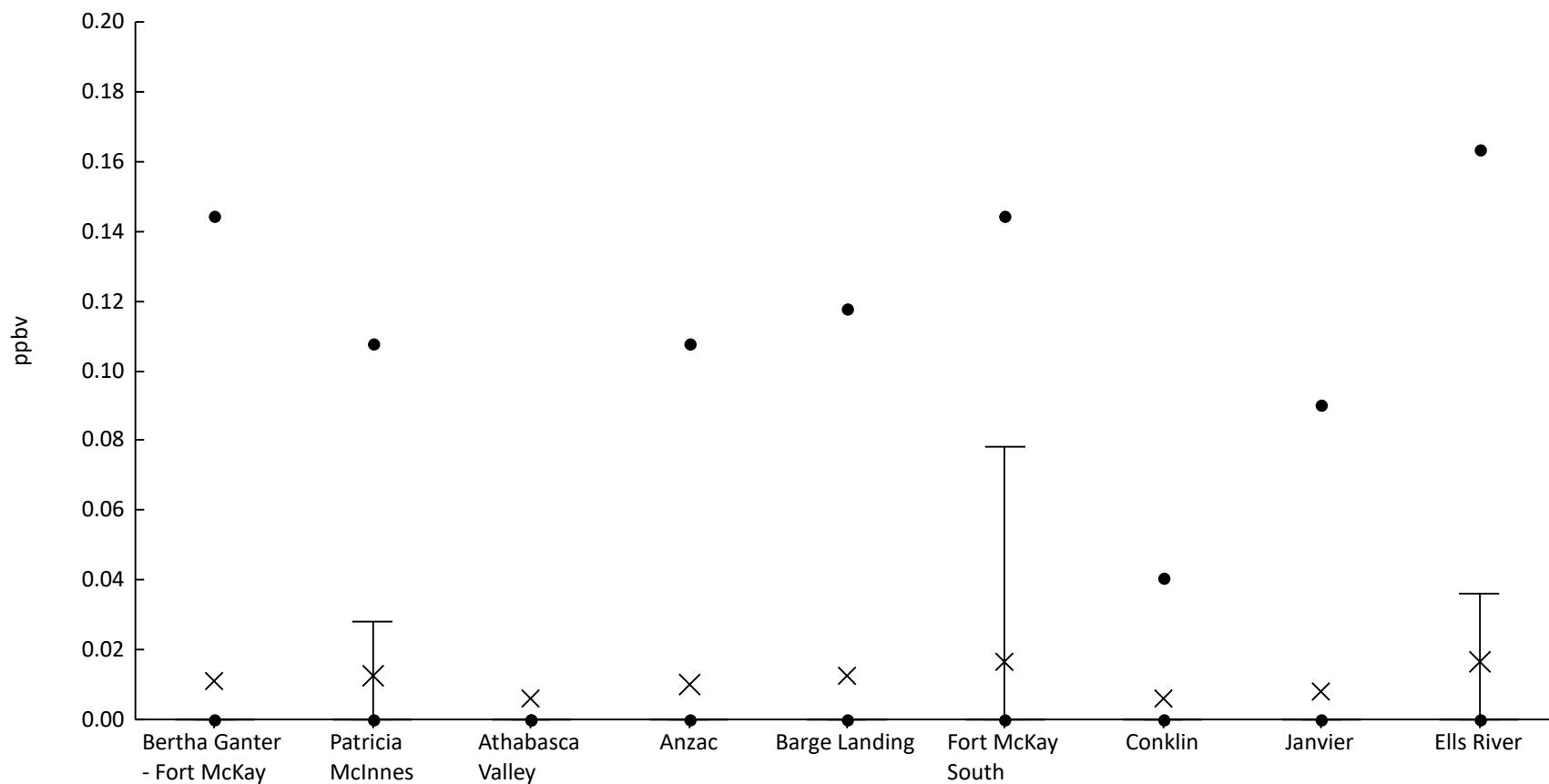
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	51%	0	0	0	0	0.06	0.11	0.22	0.34	0.53	0.078	0.11
AMS06	Patricia McInnes	61	48%	0	0	0	0	0	0.09	0.15	0.22	0.51	0.06	0.091
AMS07	Athabasca Valley	59	71%	0	0	0	0	0.09	0.15	0.2	0.3	0.55	0.11	0.11
AMS14	Anzac	61	43%	0	0	0	0	0	0.093	0.14	0.25	0.53	0.062	0.11
AMS09	Barge Landing	61	48%	0	0	0	0	0	0.1	0.17	0.25	0.54	0.067	0.11
AMS13	Fort McKay South	61	43%	0	0	0	0	0	0.1	0.16	0.22	0.5	0.061	0.1
AMS21	Conklin	61	33%	0	0	0	0	0	0.093	0.13	0.2	0.48	0.049	0.097
AMS22	Janvier	61	44%	0	0	0	0	0	0.083	0.12	0.22	0.49	0.056	0.097
AMS30	Ells River	61	28%	0	0	0	0	0	0.07	0.13	0.2	0.46	0.043	0.093





Volatile Organic Compound Canister - 1-Hexene/2-Methyl-1-pentene (ppbv) - 2022

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	7%	0	0	0	0	0	0	0	0.14	0.2	0.011	0.042
AMS06	Patricia McInnes	61	10%	0	0	0	0	0	0	0.028	0.11	0.27	0.013	0.044
AMS07	Athabasca Valley	59	3%	0	0	0	0	0	0	0	0	0.27	6.1E-3	0.037
AMS14	Anzac	61	7%	0	0	0	0	0	0	0	0.11	0.26	0.01	0.042
AMS09	Barge Landing	61	8%	0	0	0	0	0	0	0	0.12	0.26	0.012	0.045
AMS13	Fort McKay South	61	11%	0	0	0	0	0	0	0.078	0.14	0.26	0.016	0.051
AMS21	Conklin	61	5%	0	0	0	0	0	0	0	0.04	0.16	6.2E-3	0.028
AMS22	Janvier	61	7%	0	0	0	0	0	0	0	0.09	0.16	7.9E-3	0.031
AMS30	Ells River	61	10%	0	0	0	0	0	0	0.036	0.16	0.26	0.017	0.054





WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

PARTICULATE MATTER 2.5 – IONS PARTICULATE MATTER 10 – IONS PARTICULATE MATTER 2.5 – ELEMENTS PARTICULATE MATTER 10 – ELEMENTS DATA SUMMARY 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

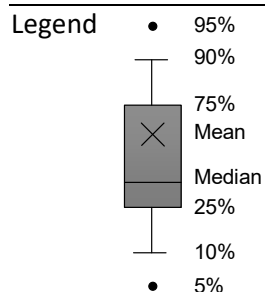
PM: Desert Research Institute
Reno, NV



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

FLAGS USED

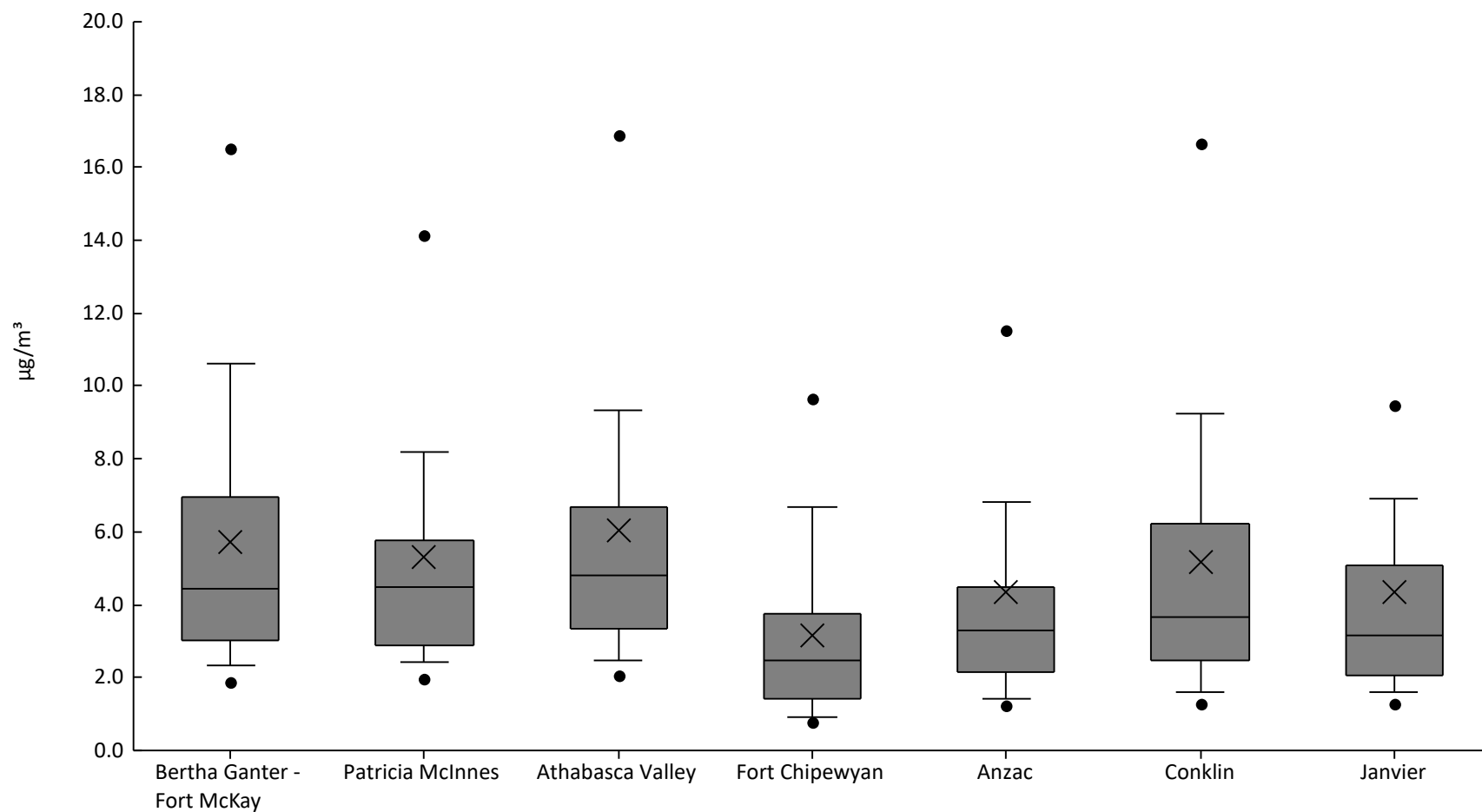
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing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





Particulate Matter <2.5µm Tested For Ions - Particulate Matter (µg/m³) - 2022

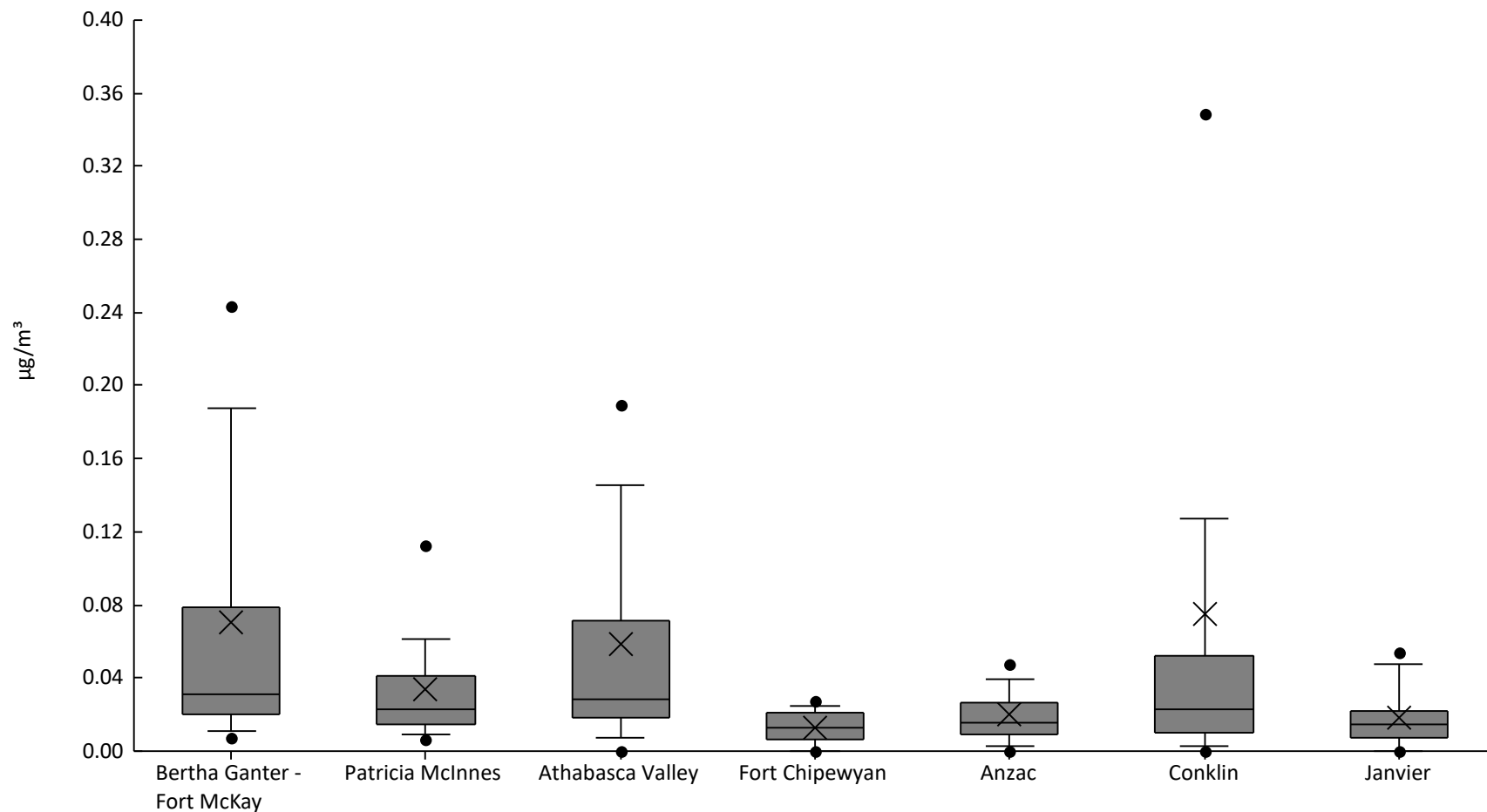
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.76	1.9	2.4	3	4.4	7	11	17	22	5.7	4.1
AMS06	Patricia McInnes	61	100%	0.58	2	2.4	2.9	4.5	5.8	8.2	14	27	5.3	4.4
AMS07	Athabasca Valley	61	100%	1.5	2.1	2.5	3.3	4.8	6.7	9.4	17	32	6	4.9
AMS08	Fort Chipewyan	46	100%	0.67	0.78	0.92	1.4	2.5	3.8	6.7	9.7	14	3.2	2.8
AMS14	Anzac	61	100%	0.79	1.3	1.4	2.1	3.3	4.5	6.8	12	31	4.4	4.7
AMS21	Conklin	61	100%	1	1.3	1.6	2.5	3.7	6.2	9.3	17	27	5.2	4.8
AMS22	Janvier	61	100%	0.75	1.3	1.6	2	3.2	5.1	6.9	9.5	27	4.4	4.6





Particulate Matter <2.5µm Tested For Ions - Calcium Ion (µg/m³) - 2022

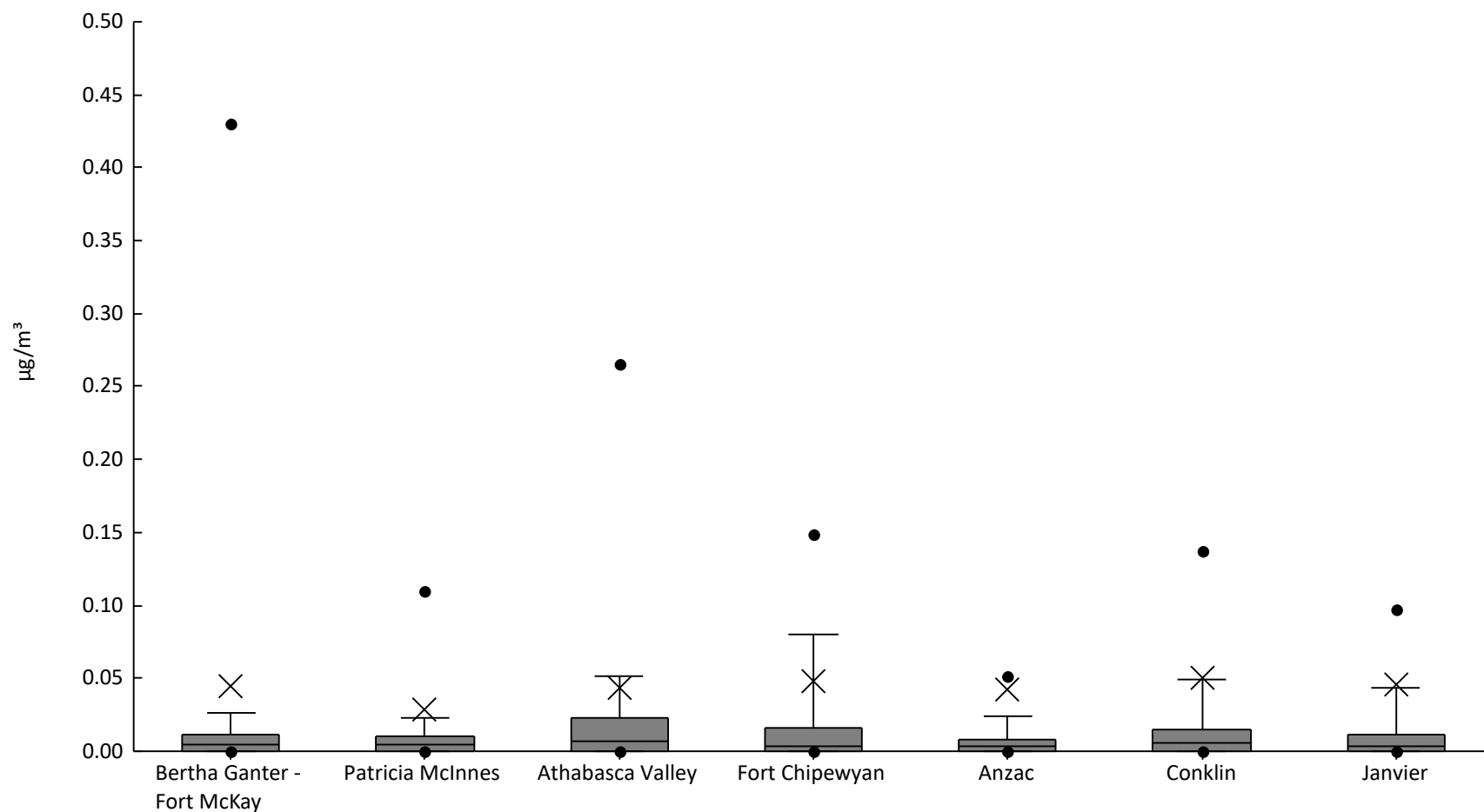
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	97%	0	7.3E-3	0.011	0.02	0.031	0.079	0.19	0.24	0.62	0.07	0.1
AMS06	Patricia McInnes	61	100%	6E-3	6.4E-3	9.2E-3	0.015	0.023	0.041	0.061	0.11	0.2	0.034	0.037
AMS07	Athabasca Valley	61	93%	0	0	7E-3	0.018	0.028	0.071	0.15	0.19	0.38	0.059	0.075
AMS08	Fort Chipewyan	46	87%	0	0	0	6E-3	0.013	0.021	0.024	0.027	0.031	0.013	9E-3
AMS14	Anzac	61	90%	0	0	3E-3	9.1E-3	0.016	0.027	0.039	0.048	0.12	0.02	0.018
AMS21	Conklin	61	90%	0	0	2.4E-3	9.7E-3	0.023	0.052	0.13	0.35	1.2	0.075	0.19
AMS22	Janvier	61	85%	0	0	0	7E-3	0.014	0.022	0.047	0.054	0.095	0.019	0.018





Particulate Matter <2.5µm Tested For Ions - Chloride Ion (µg/m³) - 2022

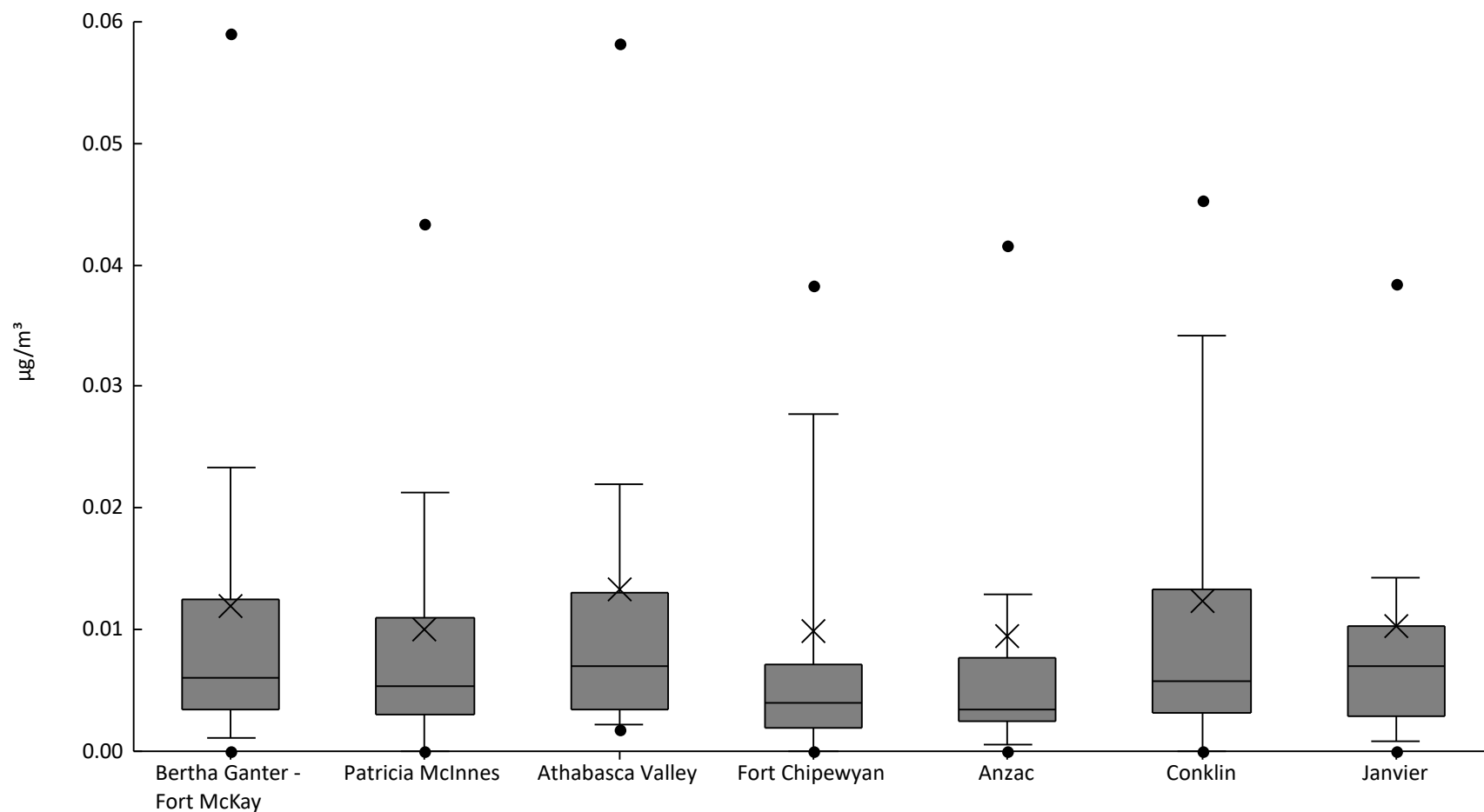
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	68%	0	0	0	0	4.7E-3	0.012	0.027	0.43	0.76	0.045	0.15
AMS06	Patricia McInnes	61	69%	0	0	0	0	5E-3	0.01	0.023	0.11	0.79	0.029	0.11
AMS07	Athabasca Valley	61	74%	0	0	0	1.5E-4	7.3E-3	0.023	0.051	0.27	0.89	0.044	0.14
AMS08	Fort Chipewyan	46	57%	0	0	0	0	3.7E-3	0.016	0.08	0.15	1.4	0.048	0.21
AMS14	Anzac	61	64%	0	0	0	0	3.3E-3	7.9E-3	0.025	0.052	1.6	0.042	0.21
AMS21	Conklin	61	69%	0	0	0	0	5.7E-3	0.015	0.049	0.14	1.7	0.05	0.22
AMS22	Janvier	61	64%	0	0	0	0	3.2E-3	0.012	0.043	0.097	1.7	0.046	0.23





Particulate Matter <2.5µm Tested For Ions - Magnesium Ion (µg/m³) - 2022

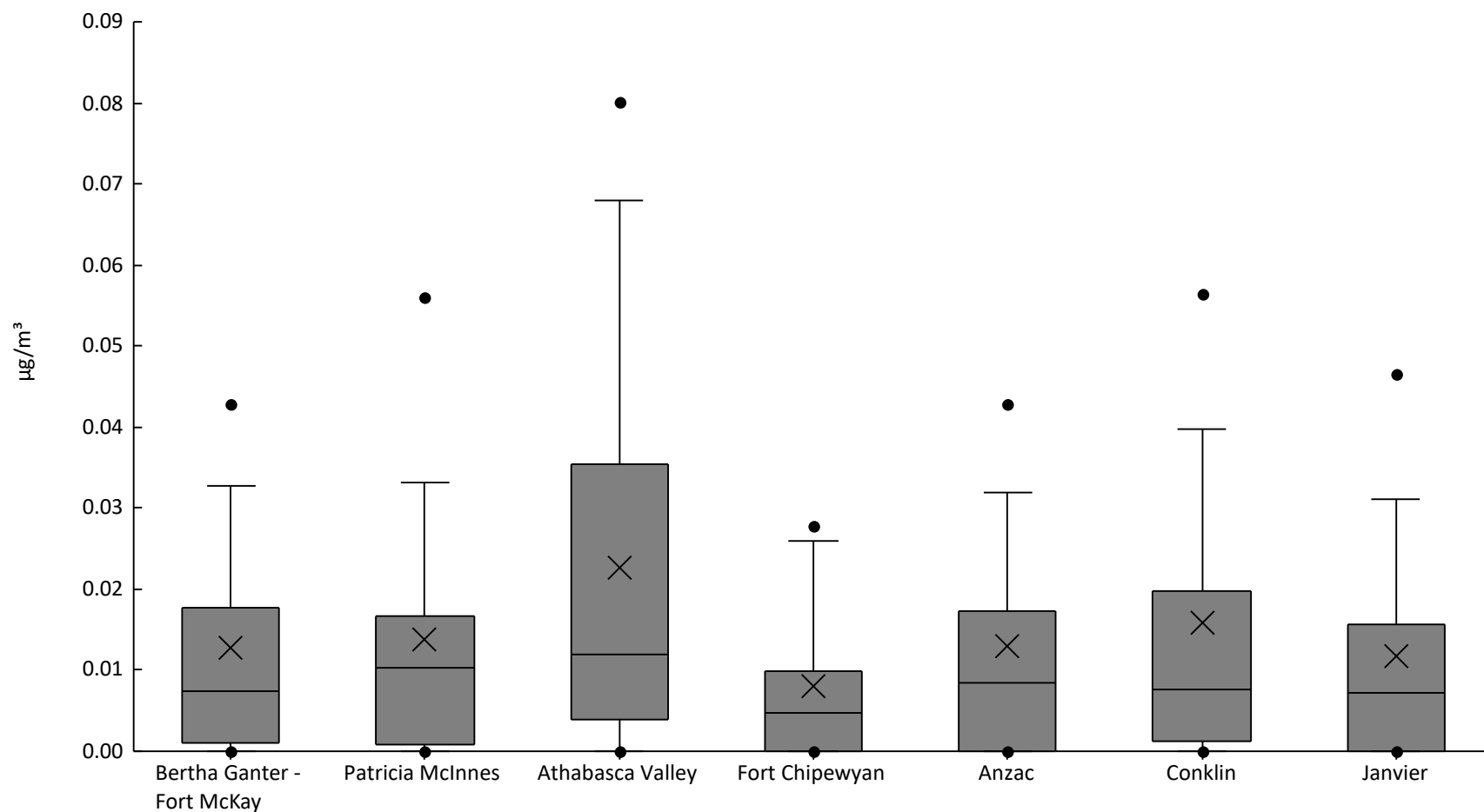
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	93%	0	0	1.1E-3	3.4E-3	6E-3	0.013	0.023	0.059	0.085	0.012	0.017
AMS06	Patricia McInnes	61	89%	0	0	0	3E-3	5.3E-3	0.011	0.021	0.043	0.082	0.01	0.014
AMS07	Athabasca Valley	61	98%	0	1.7E-3	2.2E-3	3.5E-3	7E-3	0.013	0.022	0.058	0.12	0.013	0.02
AMS08	Fort Chipewyan	46	85%	0	0	0	1.9E-3	4E-3	7.2E-3	0.028	0.038	0.11	9.8E-3	0.02
AMS14	Anzac	61	90%	0	0	6E-4	2.5E-3	3.5E-3	7.6E-3	0.013	0.042	0.12	9.5E-3	0.02
AMS21	Conklin	61	89%	0	0	0	3.2E-3	5.8E-3	0.013	0.034	0.045	0.12	0.012	0.019
AMS22	Janvier	61	90%	0	0	8.4E-4	2.9E-3	7E-3	0.01	0.014	0.038	0.13	0.01	0.018





Particulate Matter <2.5µm Tested For Ions - Potassium Ion (µg/m³) - 2022

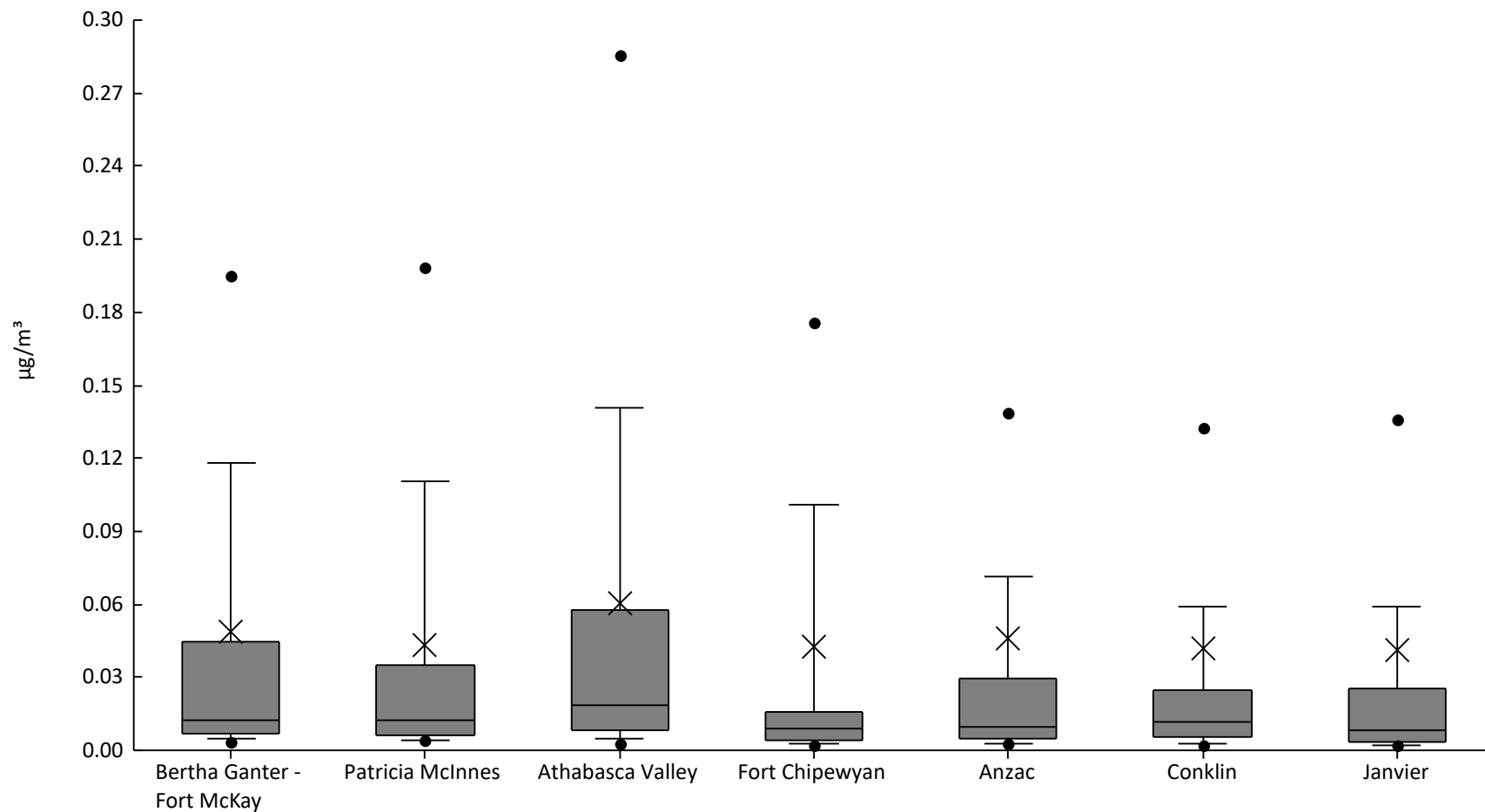
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	75%	0	0	0	1E-3	7.5E-3	0.018	0.033	0.043	0.094	0.013	0.017
AMS06	Patricia McInnes	61	75%	0	0	0	7.5E-4	0.01	0.017	0.033	0.056	0.073	0.014	0.016
AMS07	Athabasca Valley	61	82%	0	0	0	4E-3	0.012	0.035	0.068	0.08	0.12	0.023	0.027
AMS08	Fort Chipewyan	46	74%	0	0	0	0	4.7E-3	9.8E-3	0.026	0.028	0.048	8.1E-3	0.01
AMS14	Anzac	61	74%	0	0	0	0	8.4E-3	0.017	0.032	0.043	0.083	0.013	0.016
AMS21	Conklin	61	77%	0	0	0	1.3E-3	7.7E-3	0.02	0.04	0.056	0.17	0.016	0.026
AMS22	Janvier	61	69%	0	0	0	0	7.3E-3	0.016	0.031	0.046	0.071	0.012	0.015





Particulate Matter <2.5µm Tested For Ions - Sodium Ion (µg/m³) - 2022

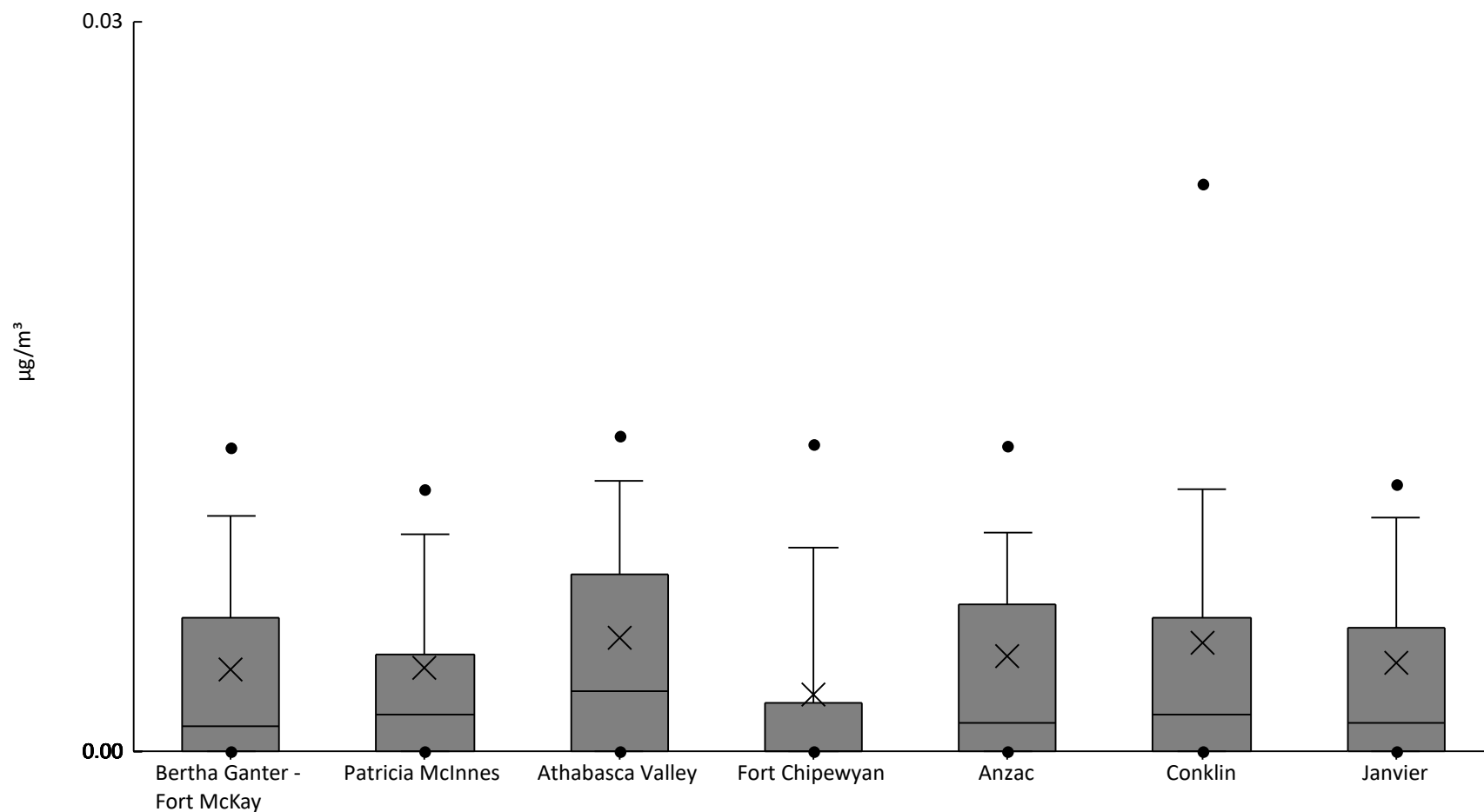
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	2.6E-3	3.3E-3	4.6E-3	7E-3	0.013	0.045	0.12	0.2	0.52	0.049	0.093
AMS06	Patricia McInnes	61	100%	3.1E-3	3.8E-3	4.2E-3	5.9E-3	0.013	0.035	0.11	0.2	0.54	0.044	0.088
AMS07	Athabasca Valley	61	100%	2.2E-3	3.1E-3	4.7E-3	8.2E-3	0.018	0.057	0.14	0.29	0.72	0.061	0.12
AMS08	Fort Chipewyan	46	100%	1.7E-3	2.2E-3	2.5E-3	4E-3	8.8E-3	0.016	0.1	0.18	0.82	0.042	0.13
AMS14	Anzac	61	100%	2.3E-3	2.7E-3	3.1E-3	5E-3	9.9E-3	0.029	0.071	0.14	0.85	0.046	0.13
AMS21	Conklin	61	100%	1.5E-3	2E-3	3E-3	5.3E-3	0.012	0.025	0.059	0.13	0.88	0.042	0.13
AMS22	Janvier	61	100%	1.4E-3	1.8E-3	2.4E-3	3.7E-3	8.5E-3	0.025	0.059	0.14	0.92	0.041	0.13





Particulate Matter <2.5µm Tested For Ions - Fluoride Ion (µg/m³) - 2022

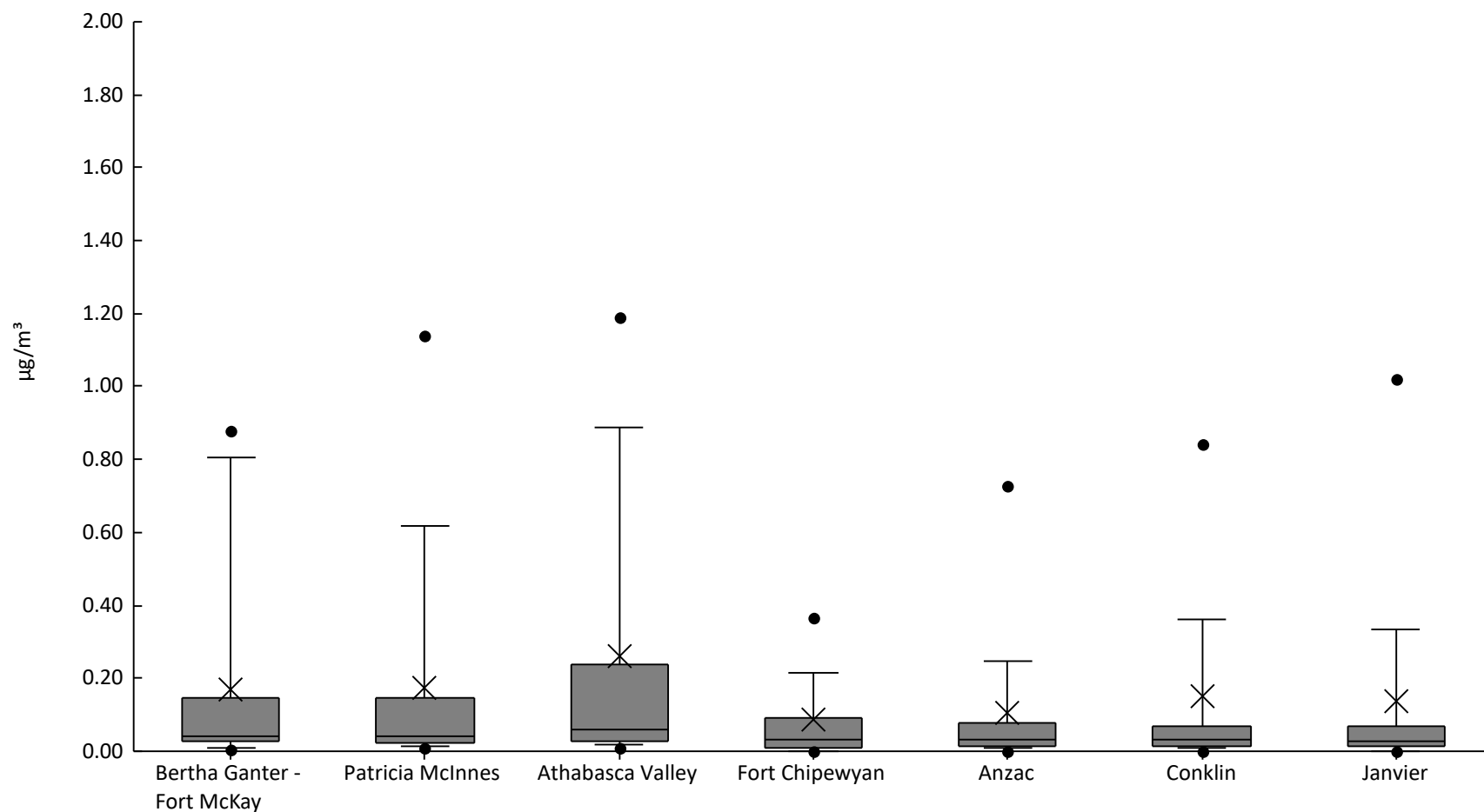
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	63%	0	0	0	0	1E-3	5.5E-3	9.7E-3	0.013	0.022	3.3E-3	4.6E-3
AMS06	Patricia McInnes	61	66%	0	0	0	0	1.5E-3	4E-3	8.9E-3	0.011	0.039	3.4E-3	5.7E-3
AMS07	Athabasca Valley	61	72%	0	0	0	0	2.5E-3	7.3E-3	0.011	0.013	0.043	4.7E-3	6.8E-3
AMS08	Fort Chipewyan	46	48%	0	0	0	0	0	2E-3	8.4E-3	0.013	0.021	2.4E-3	4.4E-3
AMS14	Anzac	61	59%	0	0	0	0	1.2E-3	6.1E-3	9E-3	0.013	0.046	3.9E-3	7.2E-3
AMS21	Conklin	61	64%	0	0	0	0	1.5E-3	5.5E-3	0.011	0.023	0.034	4.4E-3	7.5E-3
AMS22	Janvier	61	61%	0	0	0	0	1.2E-3	5.1E-3	9.6E-3	0.011	0.037	3.7E-3	7E-3





Particulate Matter <2.5µm Tested For Ions - Nitrate Ion (µg/m³) - 2022

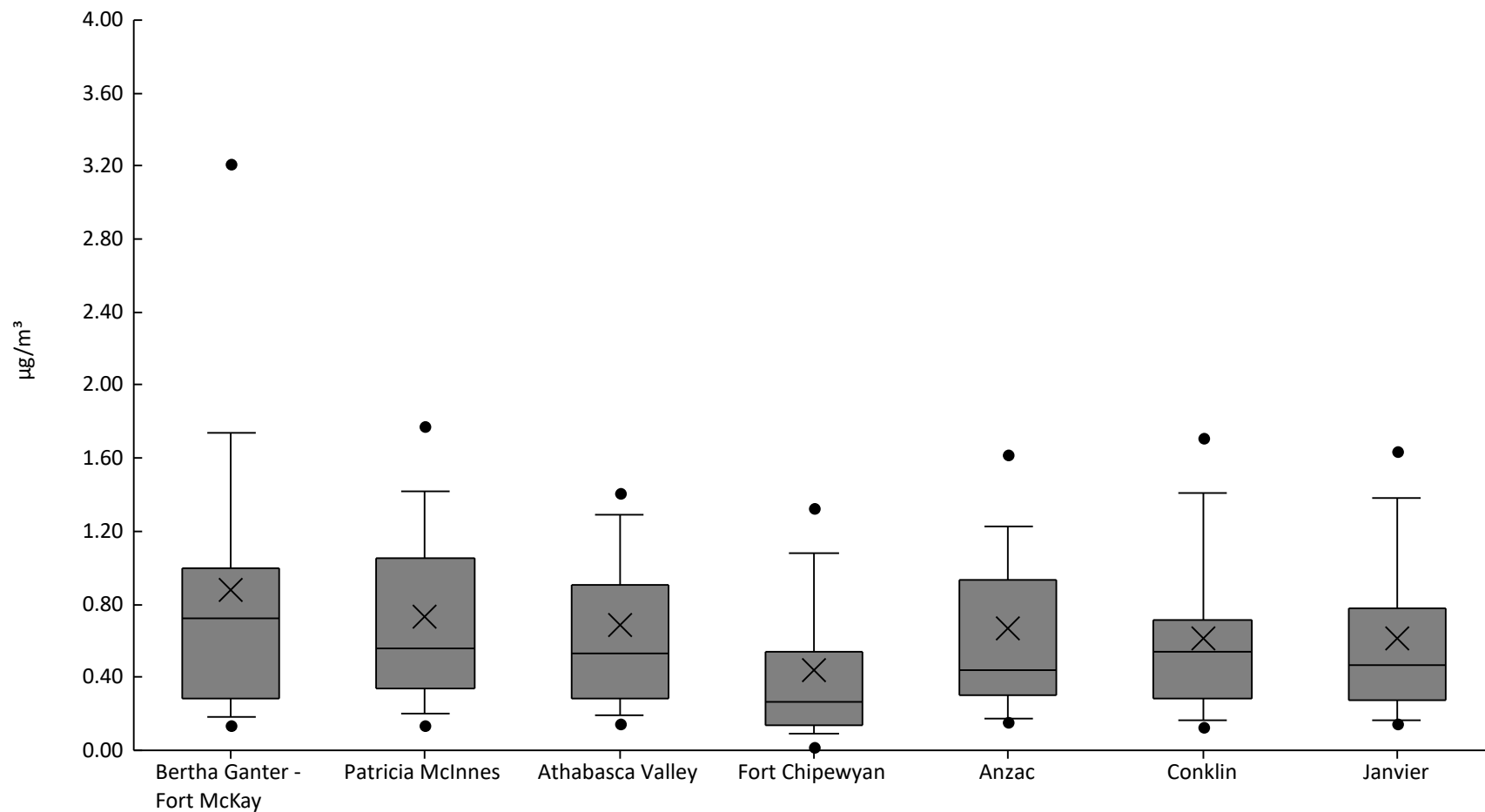
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	95%	0	3.4E-3	0.011	0.026	0.042	0.15	0.81	0.88	1	0.17	0.28
AMS06	Patricia McInnes	61	100%	7E-3	0.01	0.013	0.021	0.04	0.15	0.62	1.1	1.4	0.17	0.32
AMS07	Athabasca Valley	61	98%	0	0.01	0.018	0.028	0.061	0.24	0.89	1.2	1.5	0.26	0.4
AMS08	Fort Chipewyan	46	80%	0	0	0	7.7E-3	0.033	0.091	0.21	0.37	0.73	0.088	0.15
AMS14	Anzac	61	93%	0	0	7.4E-3	0.015	0.033	0.078	0.25	0.73	0.95	0.1	0.2
AMS21	Conklin	61	93%	0	0	9.2E-3	0.016	0.034	0.07	0.36	0.84	2.6	0.15	0.4
AMS22	Janvier	61	90%	0	0	7.8E-4	0.012	0.028	0.069	0.33	1	1.6	0.14	0.32





Particulate Matter <2.5µm Tested For Ions - Sulphate Ion (µg/m³) - 2022

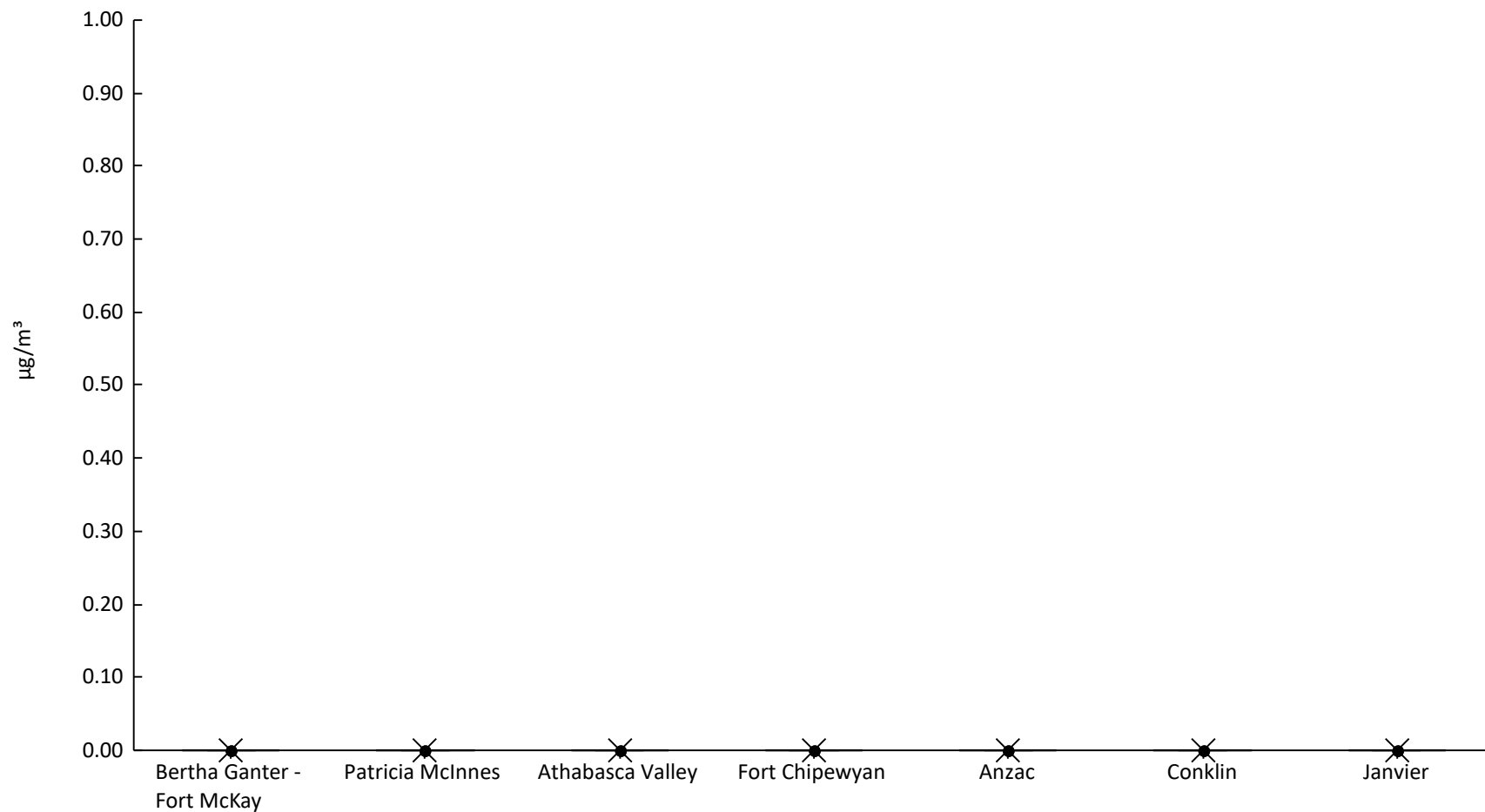
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.099	0.14	0.19	0.29	0.72	1	1.7	3.2	4.3	0.88	0.9
AMS06	Patricia McInnes	61	100%	0.1	0.14	0.2	0.34	0.55	1.1	1.4	1.8	2.4	0.73	0.53
AMS07	Athabasca Valley	61	100%	0.099	0.15	0.19	0.28	0.53	0.91	1.3	1.4	4.2	0.68	0.61
AMS08	Fort Chipewyan	46	96%	0	0.022	0.087	0.14	0.27	0.54	1.1	1.3	2.1	0.44	0.44
AMS14	Anzac	61	100%	0.11	0.16	0.18	0.3	0.44	0.94	1.2	1.6	4.7	0.67	0.67
AMS21	Conklin	61	100%	0.11	0.13	0.17	0.28	0.54	0.72	1.4	1.7	2.4	0.62	0.48
AMS22	Janvier	61	100%	0.12	0.14	0.16	0.27	0.47	0.77	1.4	1.6	2.5	0.62	0.49





Particulate Matter <2.5µm Tested For Ions - Phosphate Ion (µg/m³) - 2022

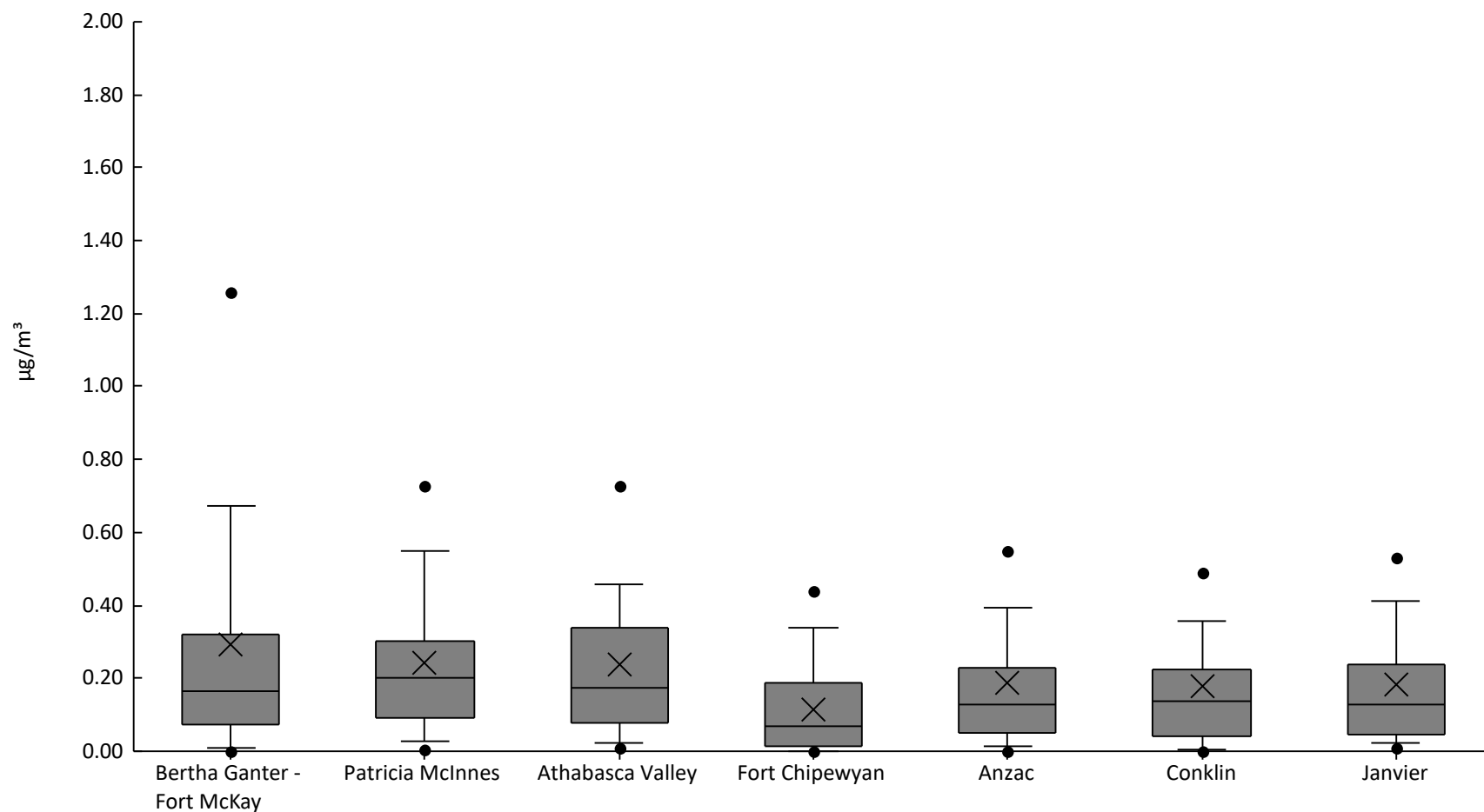
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS08	Fort Chipewyan	46	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0





Particulate Matter <2.5µm Tested For Ions - Ammonium Ion (µg/m³) - 2022

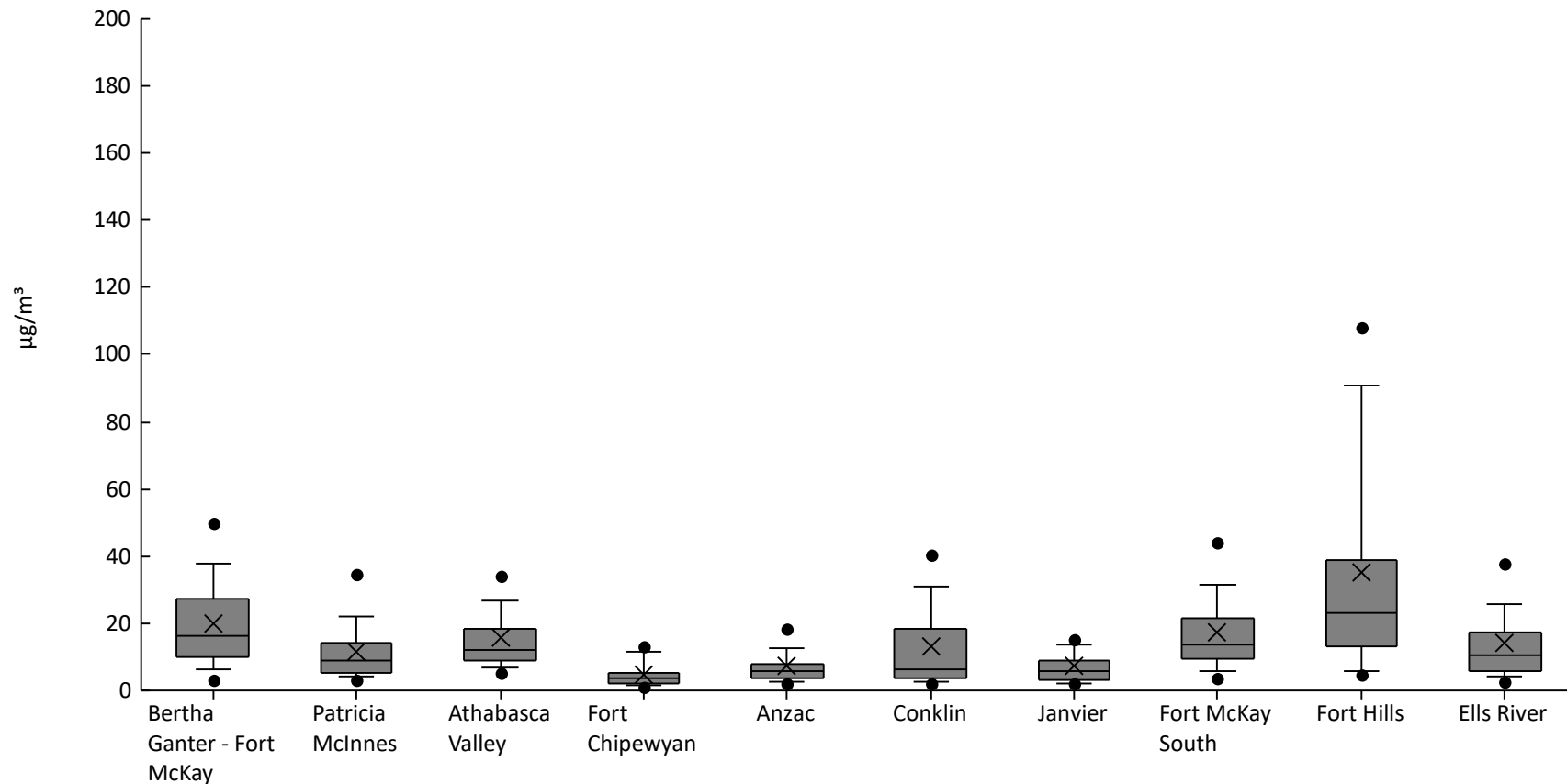
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	97%	0	5.5E-4	8.1E-3	0.074	0.17	0.32	0.67	1.3	1.9	0.29	0.38
AMS06	Patricia McInnes	61	97%	0	5.8E-3	0.027	0.092	0.2	0.3	0.55	0.73	0.95	0.24	0.22
AMS07	Athabasca Valley	61	97%	0	8.5E-3	0.023	0.076	0.17	0.34	0.46	0.73	1.6	0.24	0.26
AMS08	Fort Chipewyan	46	89%	0	0	7E-5	0.012	0.07	0.19	0.34	0.44	0.46	0.12	0.13
AMS14	Anzac	61	95%	0	1.7E-3	0.013	0.052	0.13	0.23	0.39	0.55	1.6	0.19	0.24
AMS21	Conklin	61	95%	0	7.7E-4	6.4E-3	0.04	0.14	0.22	0.36	0.49	1.5	0.18	0.23
AMS22	Janvier	61	97%	0	0.01	0.025	0.047	0.13	0.24	0.41	0.53	1.3	0.18	0.21





Particulate Matter <10µm Tested For Ions - Particulate Matter (µg/m³) - 2022

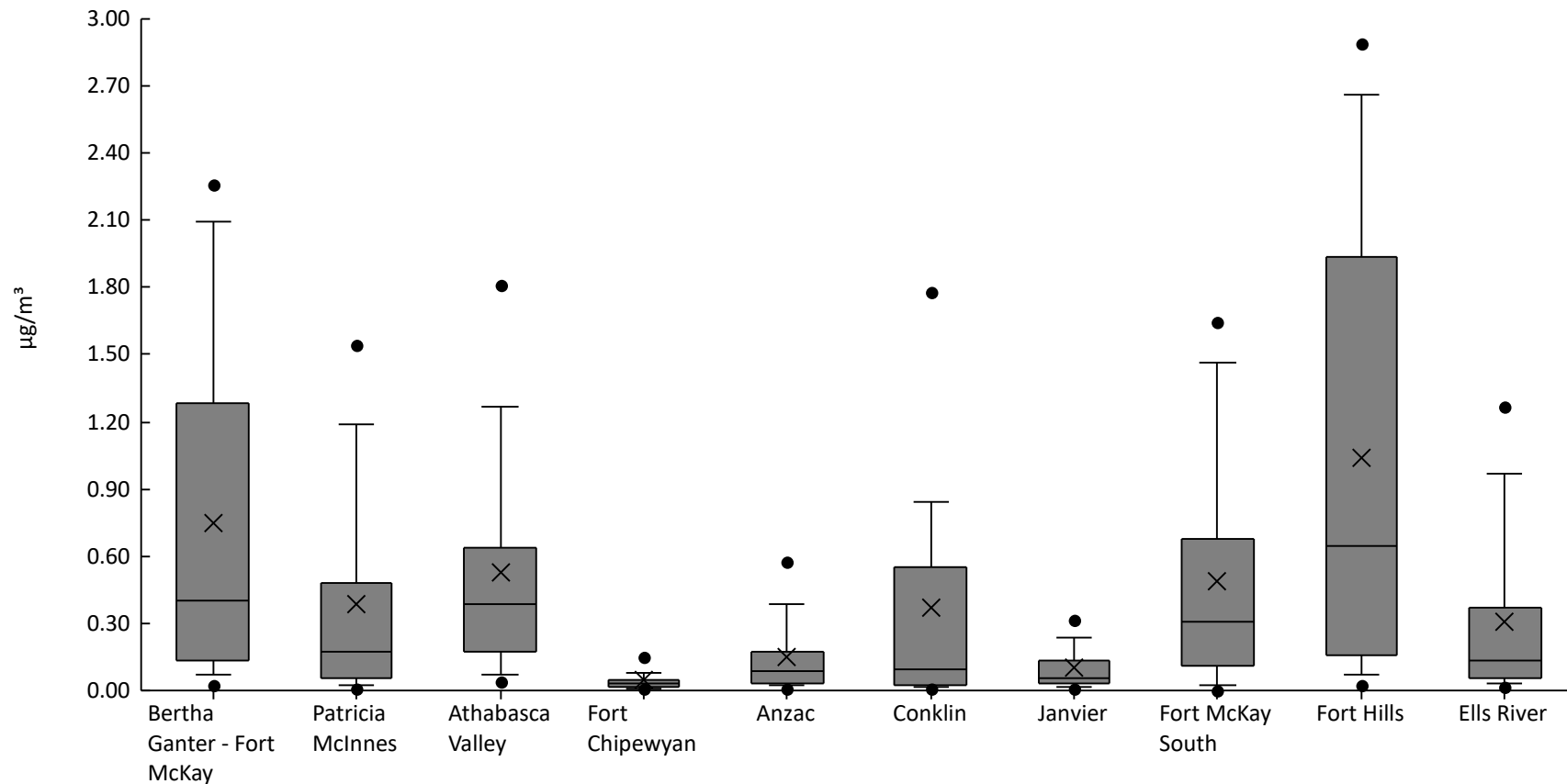
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.1	3.3	6.5	10	16	27	38	50	71	20	14
AMS06	Patricia McInnes	61	100%	0.5	3.3	4.1	5.4	9	14	22	35	50	12	9.4
AMS07	Athabasca Valley	61	100%	4.6	5.4	6.9	9.2	12	18	27	34	60	16	11
AMS08	Fort Chipewyan	45	98%	-4.2E-1	0.79	1.3	2.3	3.9	5.5	11	13	20	4.9	4.1
AMS14	Anzac	61	100%	0.96	2.3	2.7	3.9	5.9	8.1	13	18	46	7.5	7
AMS21	Conklin	61	100%	1.9	2.2	2.8	3.7	6.2	18	31	40	82	13	16
AMS22	Janvier	61	100%	0.88	1.8	2.1	3.4	5.6	8.7	14	15	35	7.1	6.2
AMS13	Fort McKay South	61	100%	1.2	3.4	5.5	9.2	14	22	32	44	65	17	13
AMS23	Fort Hills	57	100%	3.8	4.9	5.8	13	23	39	91	108	150	35	33
AMS30	Ells River	60	100%	1.3	2.8	4.2	5.6	10	17	26	38	87	14	13





Particulate Matter <10µm Tested For Ions - Calcium Ion (µg/m³) - 2022

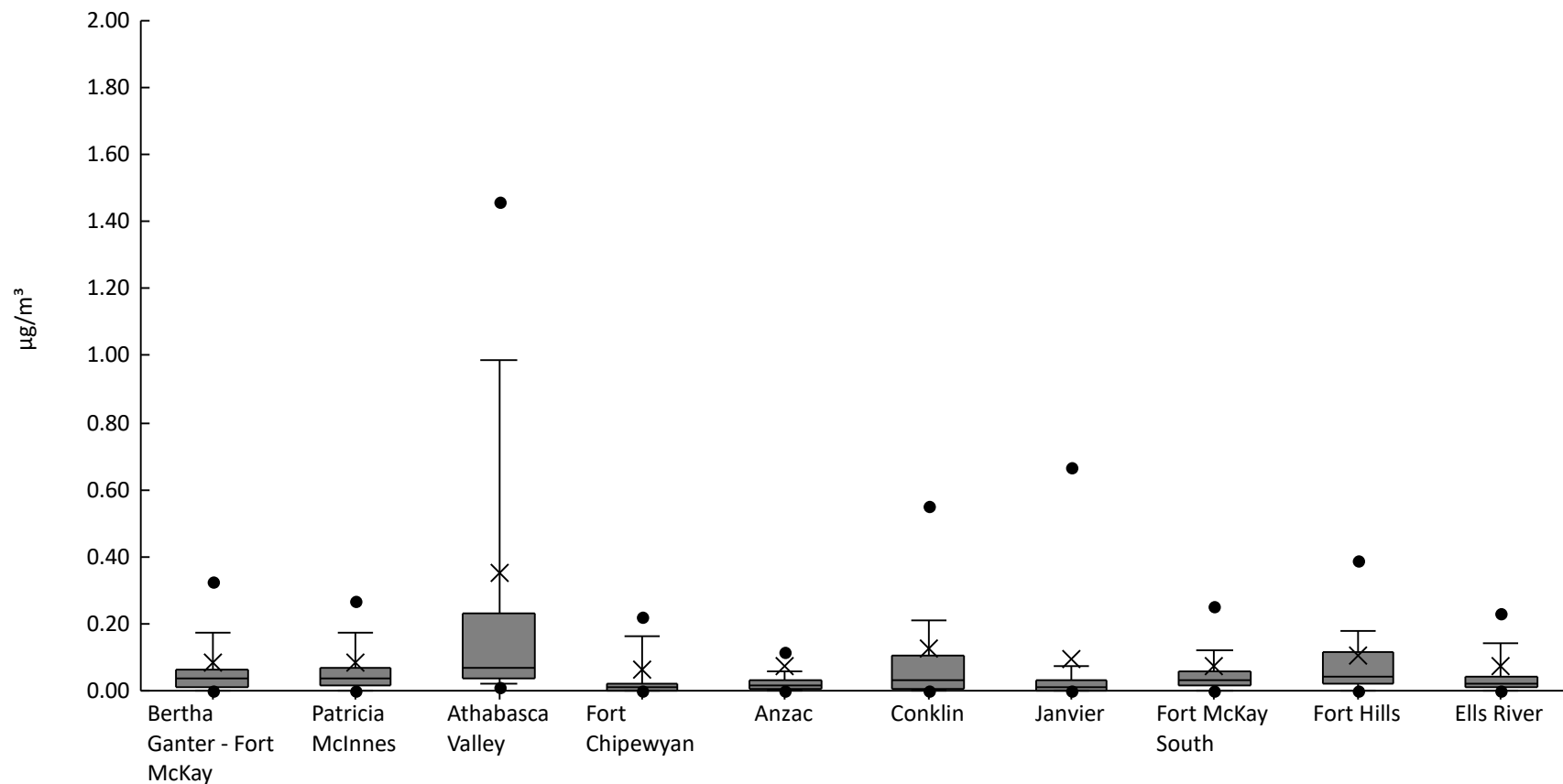
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	0.02	0.07	0.14	0.4	1.3	2.1	2.3	2.4	0.75	0.75
AMS06	Patricia McInnes	61	97%	0	0.01	0.025	0.056	0.18	0.48	1.2	1.5	2.2	0.39	0.5
AMS07	Athabasca Valley	61	98%	0	0.04	0.073	0.17	0.39	0.64	1.3	1.8	2.6	0.53	0.55
AMS08	Fort Chipewyan	45	98%	0	6.8E-3	0.01	0.017	0.03	0.045	0.083	0.15	0.32	0.045	0.055
AMS14	Anzac	61	97%	0	9.6E-3	0.021	0.035	0.084	0.17	0.39	0.57	0.82	0.15	0.18
AMS21	Conklin	61	97%	0	7.1E-3	0.013	0.027	0.098	0.55	0.84	1.8	2.9	0.37	0.62
AMS22	Janvier	61	98%	0	8.1E-3	0.015	0.033	0.055	0.14	0.23	0.32	0.46	0.099	0.1
AMS13	Fort McKay South	61	93%	0	0	0.022	0.11	0.31	0.68	1.5	1.6	1.9	0.49	0.52
AMS23	Fort Hills	57	95%	0	0.021	0.071	0.16	0.64	1.9	2.7	2.9	3.6	1	1.1
AMS30	Ells River	60	97%	0	0.012	0.03	0.053	0.13	0.37	0.97	1.3	1.6	0.31	0.39





Particulate Matter <10µm Tested For Ions - Chloride Ion (µg/m³) - 2022

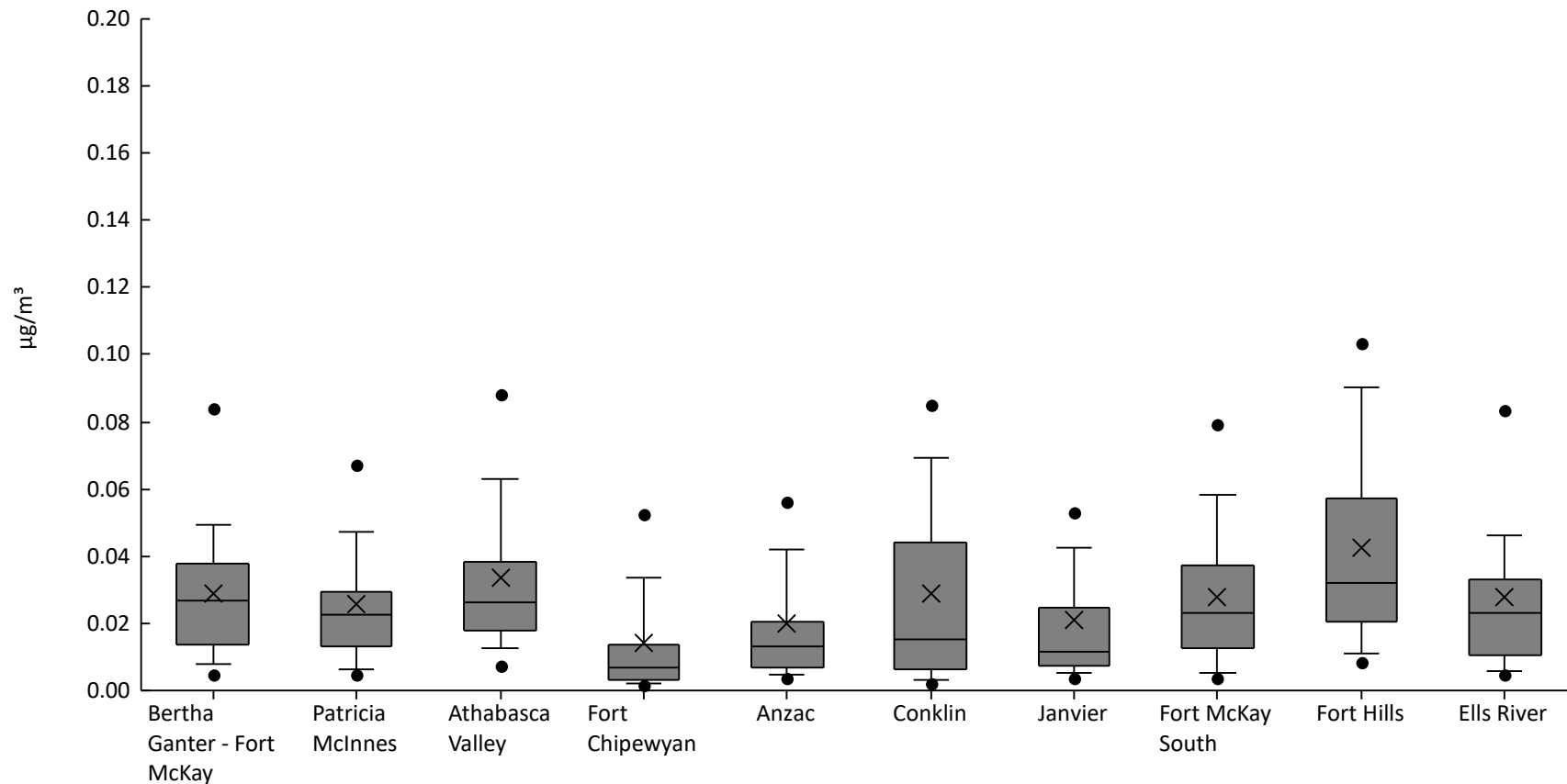
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	2.5E-3	0.013	0.035	0.064	0.17	0.33	1.1	0.086	0.19
AMS06	Patricia McInnes	61	82%	0	0	0	0.016	0.034	0.069	0.17	0.27	1.2	0.083	0.18
AMS07	Athabasca Valley	61	97%	0	9.4E-3	0.021	0.038	0.07	0.23	0.99	1.5	5.7	0.35	0.91
AMS08	Fort Chipewyan	45	73%	0	0	0	0	8.1E-3	0.019	0.16	0.22	1.7	0.064	0.25
AMS14	Anzac	61	82%	0	0	0	6.6E-3	0.018	0.031	0.056	0.11	2.2	0.071	0.3
AMS21	Conklin	61	77%	0	0	0	5.9E-3	0.032	0.1	0.21	0.55	2.5	0.12	0.35
AMS22	Janvier	61	75%	0	0	0	2.3E-3	0.011	0.034	0.071	0.67	2.5	0.094	0.35
AMS13	Fort McKay South	61	87%	0	0	0	0.014	0.029	0.059	0.12	0.25	1.1	0.071	0.17
AMS23	Fort Hills	57	89%	0	0	1.2E-3	0.022	0.045	0.12	0.18	0.39	1	0.11	0.19
AMS30	Ells River	60	87%	0	0	0	9.5E-3	0.023	0.042	0.14	0.23	1.2	0.075	0.2





Particulate Matter <10µm Tested For Ions - Magnesium Ion (µg/m³) - 2022

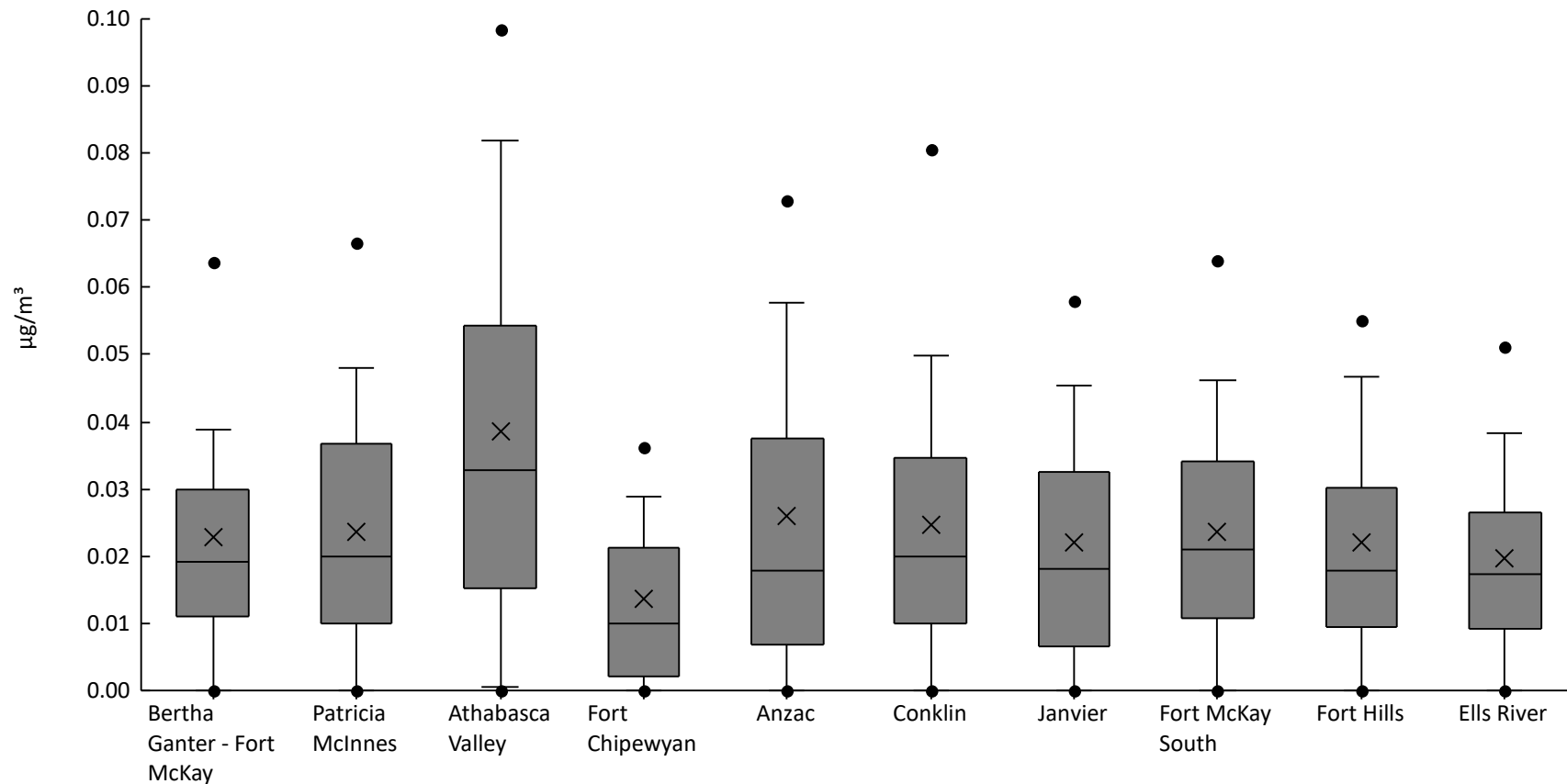
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	7E-4	4.8E-3	7.8E-3	0.013	0.027	0.038	0.049	0.084	0.11	0.029	0.023
AMS06	Patricia McInnes	61	98%	0	4.6E-3	6.5E-3	0.013	0.022	0.03	0.047	0.067	0.13	0.026	0.021
AMS07	Athabasca Valley	61	100%	1E-3	7.6E-3	0.013	0.018	0.026	0.039	0.063	0.088	0.17	0.034	0.029
AMS08	Fort Chipewyan	45	98%	0	1.4E-3	2E-3	3.2E-3	7E-3	0.014	0.033	0.052	0.13	0.014	0.023
AMS14	Anzac	61	100%	9E-4	3.4E-3	4.6E-3	6.6E-3	0.013	0.02	0.042	0.056	0.17	0.02	0.025
AMS21	Conklin	61	97%	0	2.3E-3	3E-3	6.4E-3	0.015	0.044	0.069	0.085	0.18	0.029	0.033
AMS22	Janvier	61	100%	1E-3	3.7E-3	5.3E-3	7.1E-3	0.012	0.025	0.043	0.053	0.19	0.021	0.027
AMS13	Fort McKay South	61	100%	1.1E-3	3.7E-3	5E-3	0.013	0.023	0.037	0.058	0.079	0.094	0.028	0.022
AMS23	Fort Hills	57	100%	4.7E-3	8.5E-3	0.011	0.02	0.032	0.057	0.09	0.1	0.15	0.042	0.031
AMS30	Ells River	60	100%	3.6E-3	4.9E-3	5.8E-3	0.011	0.023	0.033	0.046	0.083	0.15	0.028	0.025





Particulate Matter <10µm Tested For Ions - Potassium Ion (µg/m³) - 2022

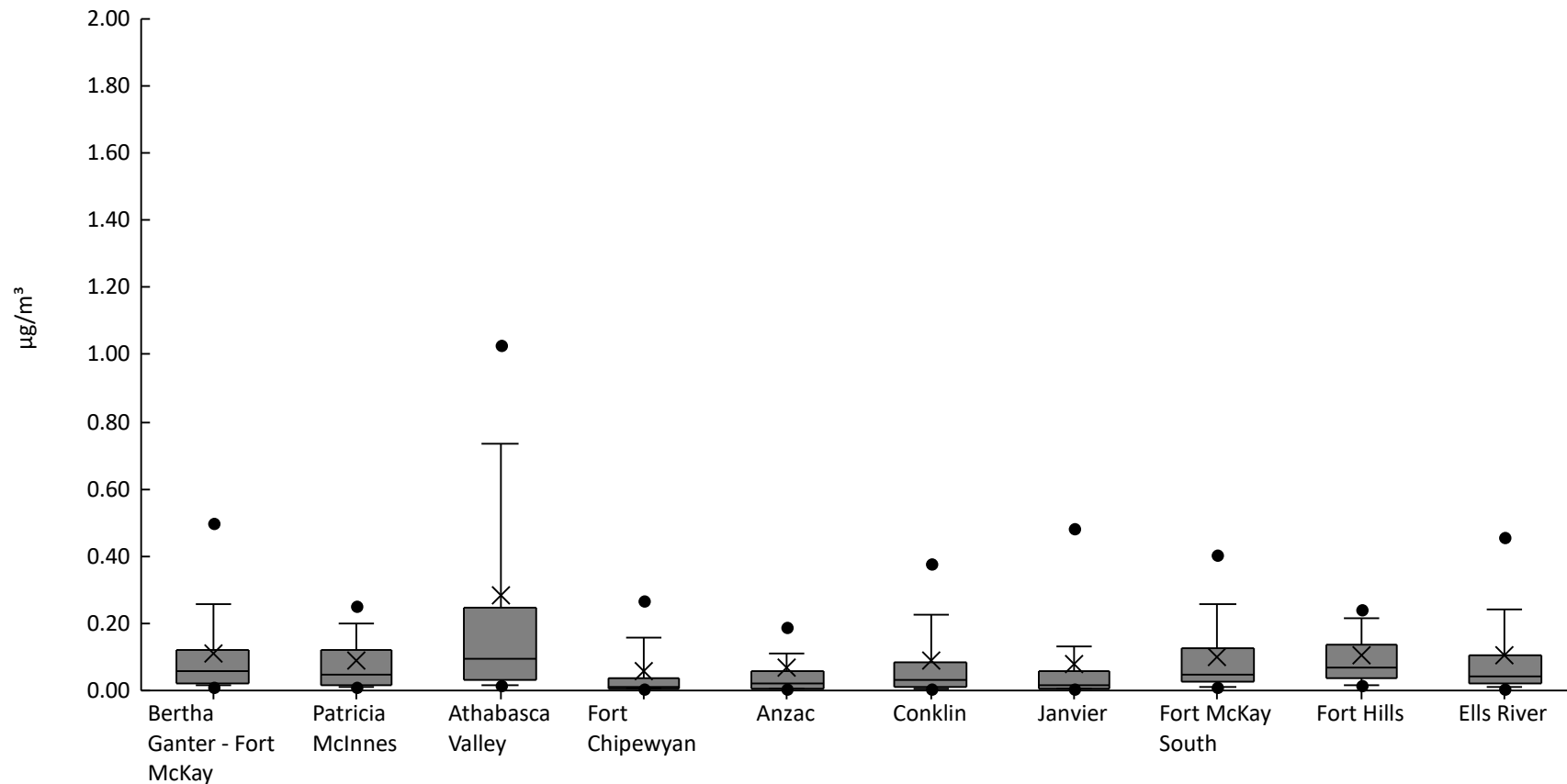
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	0	0.011	0.019	0.03	0.039	0.064	0.093	0.023	0.018
AMS06	Patricia McInnes	61	85%	0	0	0	0.01	0.02	0.037	0.048	0.067	0.073	0.024	0.019
AMS07	Athabasca Valley	61	90%	0	0	6E-4	0.015	0.033	0.054	0.082	0.098	0.2	0.039	0.035
AMS08	Fort Chipewyan	45	80%	0	0	0	2E-3	0.01	0.021	0.029	0.036	0.07	0.014	0.014
AMS14	Anzac	61	85%	0	0	0	6.8E-3	0.018	0.037	0.058	0.073	0.17	0.026	0.028
AMS21	Conklin	61	82%	0	0	0	9.9E-3	0.02	0.035	0.05	0.081	0.1	0.025	0.023
AMS22	Janvier	61	84%	0	0	0	6.5E-3	0.018	0.033	0.045	0.058	0.11	0.022	0.022
AMS13	Fort McKay South	61	84%	0	0	0	0.011	0.021	0.034	0.046	0.064	0.077	0.024	0.019
AMS23	Fort Hills	57	84%	0	0	0	9.5E-3	0.018	0.03	0.047	0.055	0.079	0.022	0.018
AMS30	Ells River	60	82%	0	0	0	9.1E-3	0.017	0.027	0.038	0.051	0.083	0.02	0.018





Particulate Matter <10µm Tested For Ions - Sodium Ion (µg/m³) - 2022

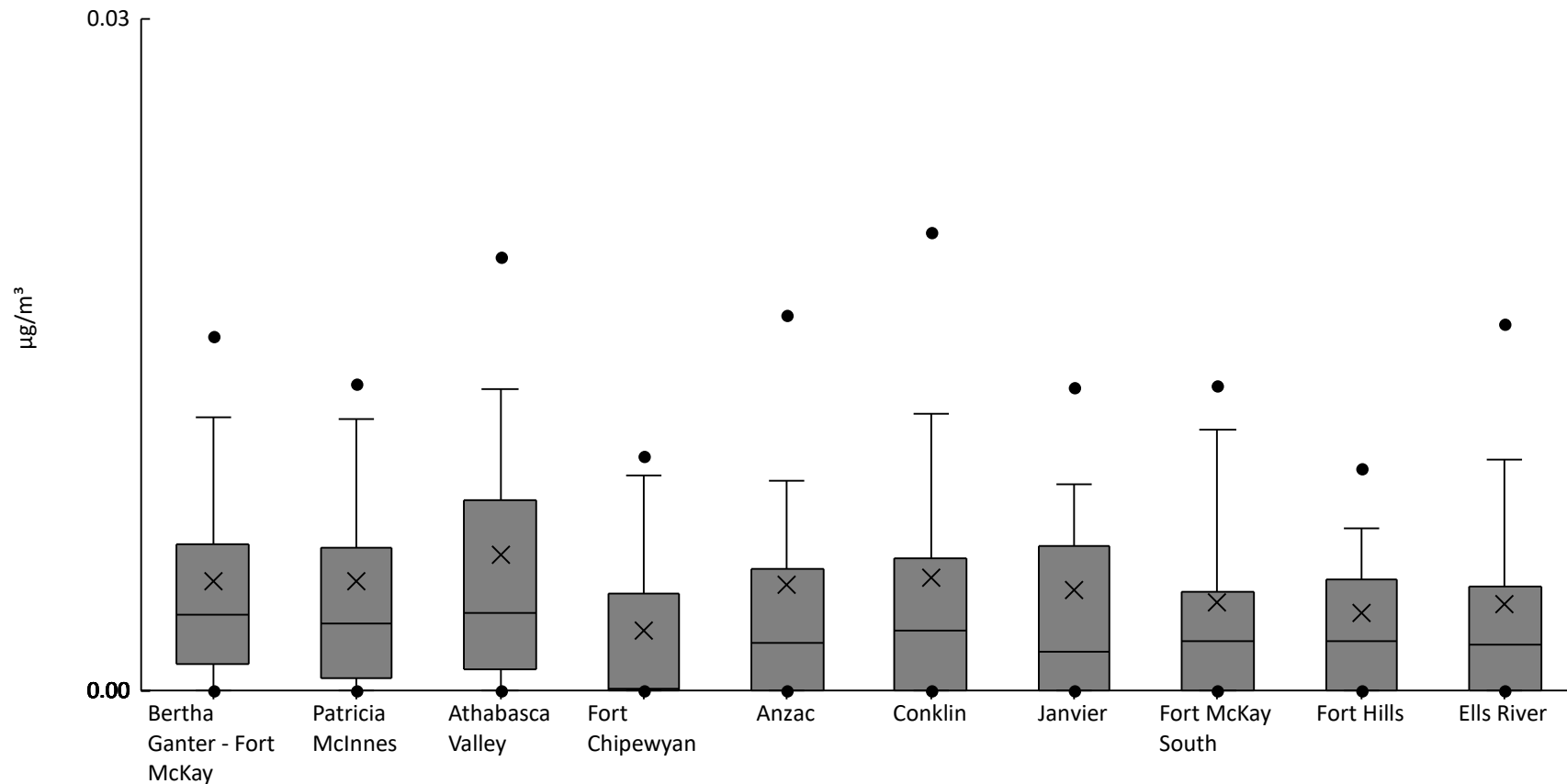
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	7.5E-3	0.011	0.013	0.023	0.058	0.12	0.26	0.5	0.75	0.11	0.15
AMS06	Patricia McInnes	61	100%	7.1E-3	8.7E-3	0.01	0.016	0.046	0.12	0.2	0.25	0.78	0.091	0.13
AMS07	Athabasca Valley	61	100%	8.2E-3	0.014	0.015	0.03	0.092	0.24	0.73	1	4.1	0.28	0.63
AMS08	Fort Chipewyan	45	100%	1E-3	2.9E-3	3.7E-3	6.3E-3	0.013	0.037	0.16	0.27	0.96	0.059	0.15
AMS14	Anzac	61	100%	3.3E-3	3.6E-3	4.5E-3	7.8E-3	0.021	0.059	0.11	0.19	1.2	0.068	0.18
AMS21	Conklin	61	100%	1.7E-3	4.5E-3	6.3E-3	0.01	0.032	0.083	0.22	0.38	1.3	0.092	0.19
AMS22	Janvier	61	100%	1.9E-3	3.9E-3	4.6E-3	6.2E-3	0.014	0.056	0.13	0.48	1.3	0.077	0.2
AMS13	Fort McKay South	61	100%	4.7E-3	8.4E-3	0.012	0.027	0.048	0.13	0.26	0.41	0.62	0.1	0.13
AMS23	Fort Hills	57	100%	7.7E-3	0.015	0.018	0.039	0.068	0.14	0.22	0.24	0.61	0.1	0.11
AMS30	Ells River	60	100%	4.2E-3	5.5E-3	0.011	0.022	0.043	0.1	0.24	0.46	0.77	0.1	0.16





Particulate Matter <10µm Tested For Ions - Fluoride Ion (µg/m³) - 2022

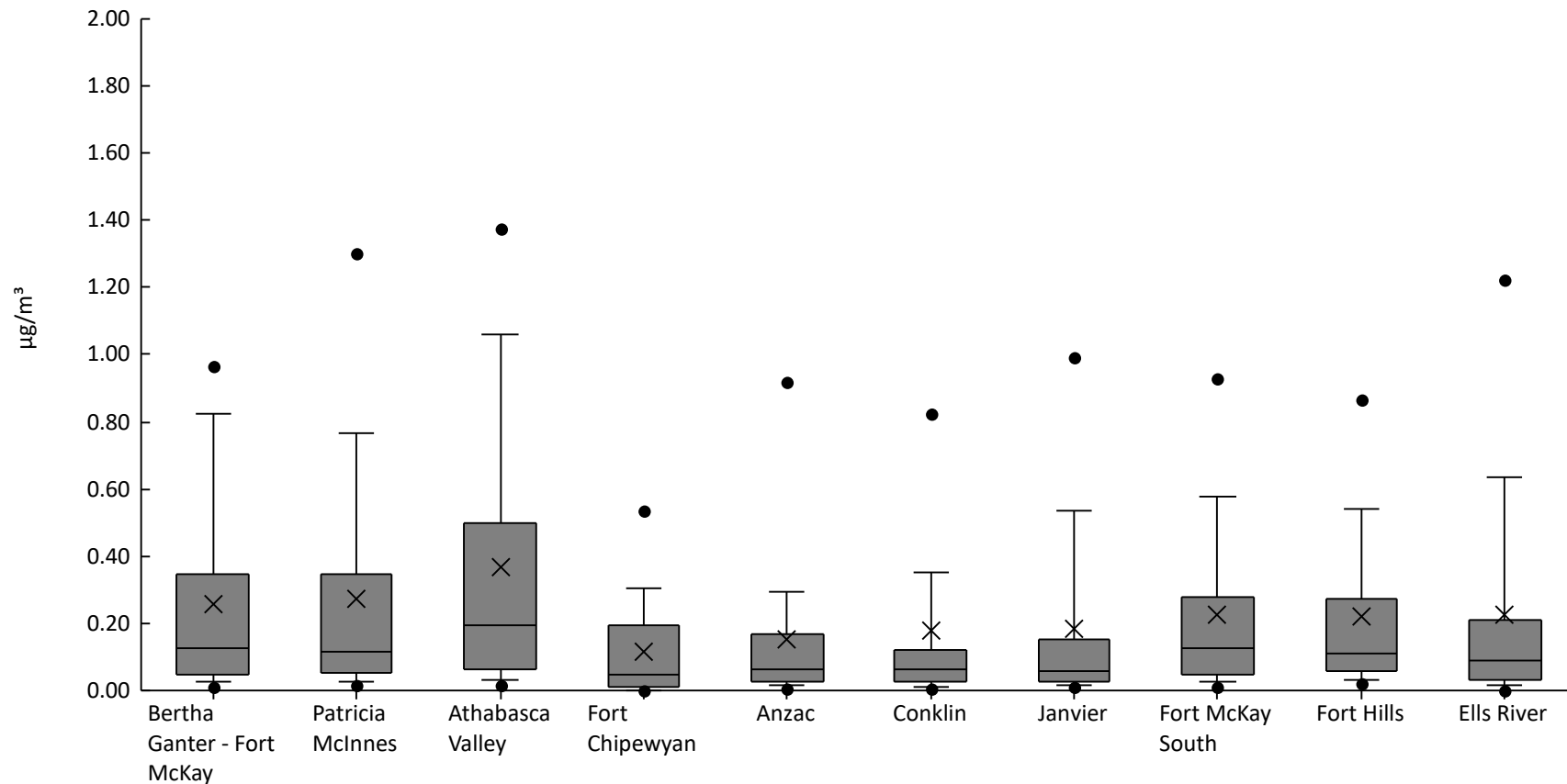
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	82%	0	0	0	1.2E-3	3.4E-3	6.5E-3	0.012	0.016	0.028	4.8E-3	5.6E-3
AMS06	Patricia McInnes	61	79%	0	0	0	5.5E-4	3E-3	6.4E-3	0.012	0.014	0.047	4.9E-3	7.3E-3
AMS07	Athabasca Valley	61	87%	0	0	0	9.8E-4	3.5E-3	8.5E-3	0.013	0.019	0.05	6.1E-3	8.1E-3
AMS08	Fort Chipewyan	45	51%	0	0	0	0	1E-4	4.3E-3	9.6E-3	0.01	0.015	2.7E-3	3.8E-3
AMS14	Anzac	61	74%	0	0	0	0	2.1E-3	5.4E-3	9.3E-3	0.017	0.057	4.7E-3	8.7E-3
AMS21	Conklin	61	74%	0	0	0	0	2.7E-3	5.9E-3	0.012	0.02	0.04	5E-3	7.3E-3
AMS22	Janvier	61	72%	0	0	0	0	1.7E-3	6.5E-3	9.2E-3	0.014	0.042	4.5E-3	7.8E-3
AMS13	Fort McKay South	61	69%	0	0	0	0	2.2E-3	4.4E-3	0.012	0.014	0.03	4E-3	5.6E-3
AMS23	Fort Hills	57	70%	0	0	0	0	2.2E-3	5E-3	7.3E-3	1E-2	0.028	3.4E-3	4.6E-3
AMS30	Ells River	60	72%	0	0	0	0	2.1E-3	4.7E-3	0.01	0.016	0.029	3.8E-3	5.7E-3





Particulate Matter <10µm Tested For Ions - Nitrate Ion (µg/m³) - 2022

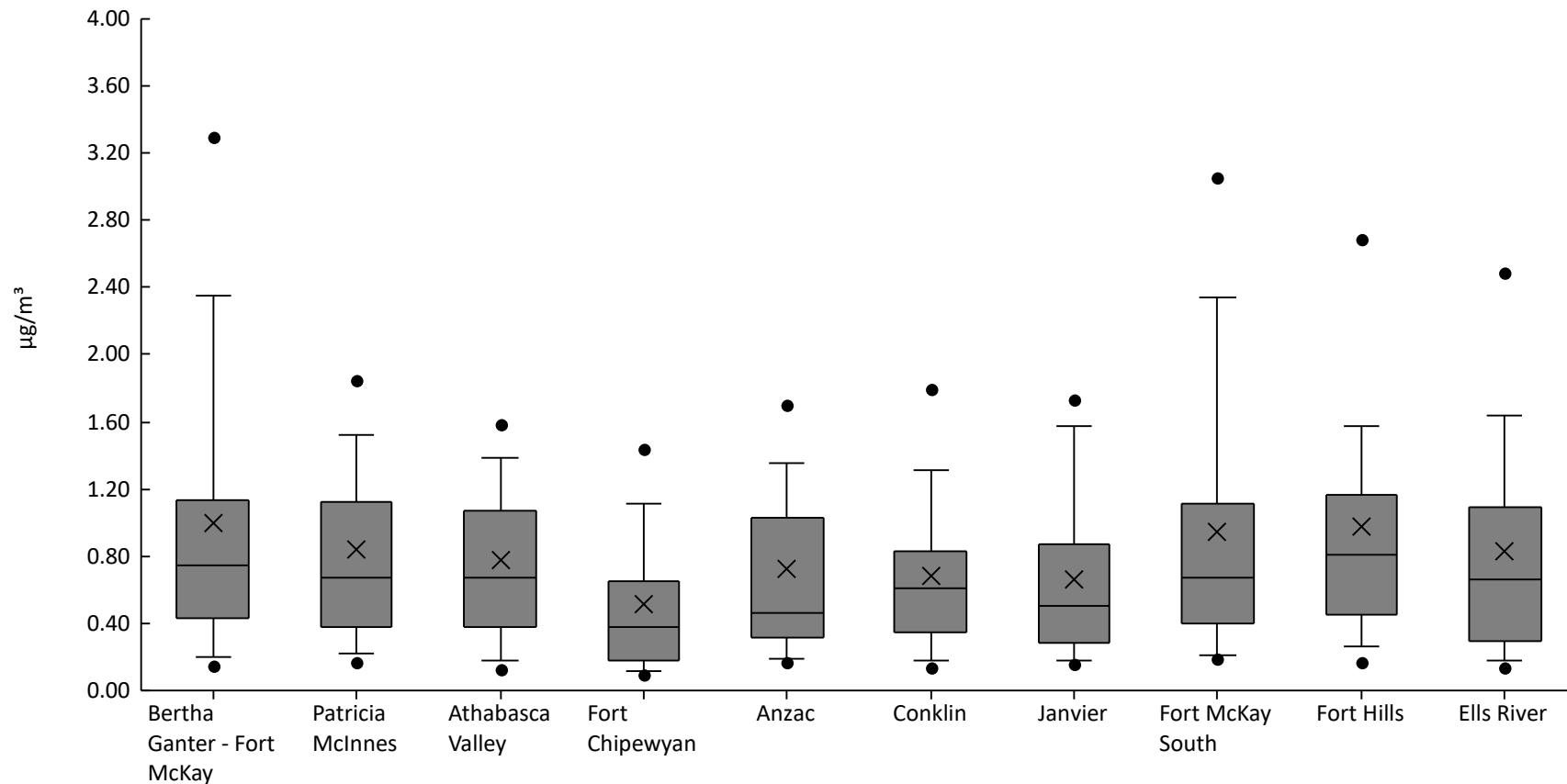
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.013	0.025	0.047	0.13	0.35	0.82	0.97	1.4	0.25	0.32
AMS06	Patricia McInnes	61	98%	0	0.016	0.025	0.052	0.12	0.34	0.77	1.3	1.5	0.28	0.37
AMS07	Athabasca Valley	61	100%	8.8E-3	0.015	0.03	0.061	0.19	0.5	1.1	1.4	1.8	0.37	0.44
AMS08	Fort Chipewyan	45	84%	0	0	0	0.013	0.045	0.19	0.31	0.53	0.78	0.12	0.17
AMS14	Anzac	61	97%	0	7.1E-3	0.016	0.027	0.062	0.17	0.29	0.92	1.1	0.15	0.24
AMS21	Conklin	61	95%	0	4.3E-3	0.011	0.025	0.064	0.12	0.35	0.83	2.7	0.18	0.41
AMS22	Janvier	61	98%	0	0.012	0.015	0.028	0.058	0.15	0.53	0.99	1.8	0.18	0.33
AMS13	Fort McKay South	61	97%	0	0.011	0.026	0.048	0.13	0.28	0.58	0.93	1.2	0.22	0.27
AMS23	Fort Hills	57	98%	0	0.02	0.033	0.057	0.11	0.27	0.54	0.87	1.2	0.22	0.25
AMS30	Ells River	60	95%	0	2.2E-3	0.017	0.033	0.091	0.21	0.64	1.2	1.6	0.23	0.35





Particulate Matter <10µm Tested For Ions - Sulphate Ion (µg/m³) - 2022

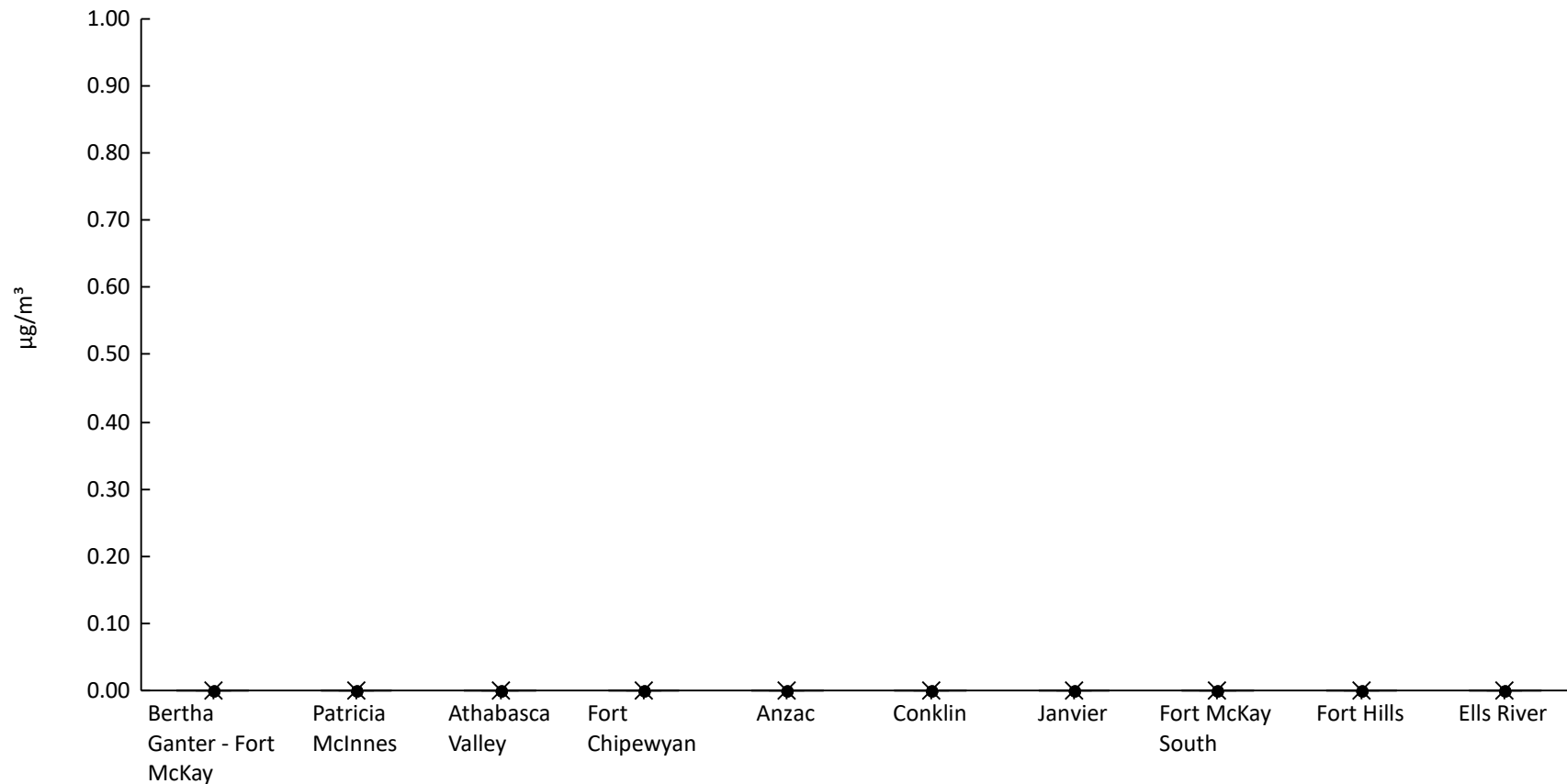
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.15	0.2	0.43	0.75	1.1	2.4	3.3	4.7	1	0.98
AMS06	Patricia McInnes	61	100%	0.11	0.17	0.22	0.38	0.68	1.1	1.5	1.8	4.7	0.84	0.71
AMS07	Athabasca Valley	61	97%	0	0.13	0.18	0.37	0.67	1.1	1.4	1.6	4.7	0.78	0.68
AMS08	Fort Chipewyan	45	98%	0	0.097	0.12	0.18	0.38	0.65	1.1	1.4	2.5	0.52	0.48
AMS14	Anzac	61	100%	0.11	0.17	0.19	0.31	0.46	1	1.4	1.7	5.1	0.72	0.73
AMS21	Conklin	61	100%	0.13	0.14	0.18	0.34	0.6	0.83	1.3	1.8	2.5	0.68	0.49
AMS22	Janvier	61	100%	0.12	0.16	0.18	0.29	0.5	0.87	1.6	1.7	2.7	0.66	0.52
AMS13	Fort McKay South	61	100%	0.12	0.18	0.21	0.4	0.68	1.1	2.3	3.1	3.9	0.94	0.84
AMS23	Fort Hills	57	98%	0	0.17	0.27	0.45	0.81	1.2	1.6	2.7	4.8	0.98	0.9
AMS30	Ells River	60	98%	0	0.13	0.17	0.29	0.66	1.1	1.6	2.5	4.7	0.83	0.79





Particulate Matter <10µm Tested For Ions - Phosphate Ion (µg/m³) - 2022

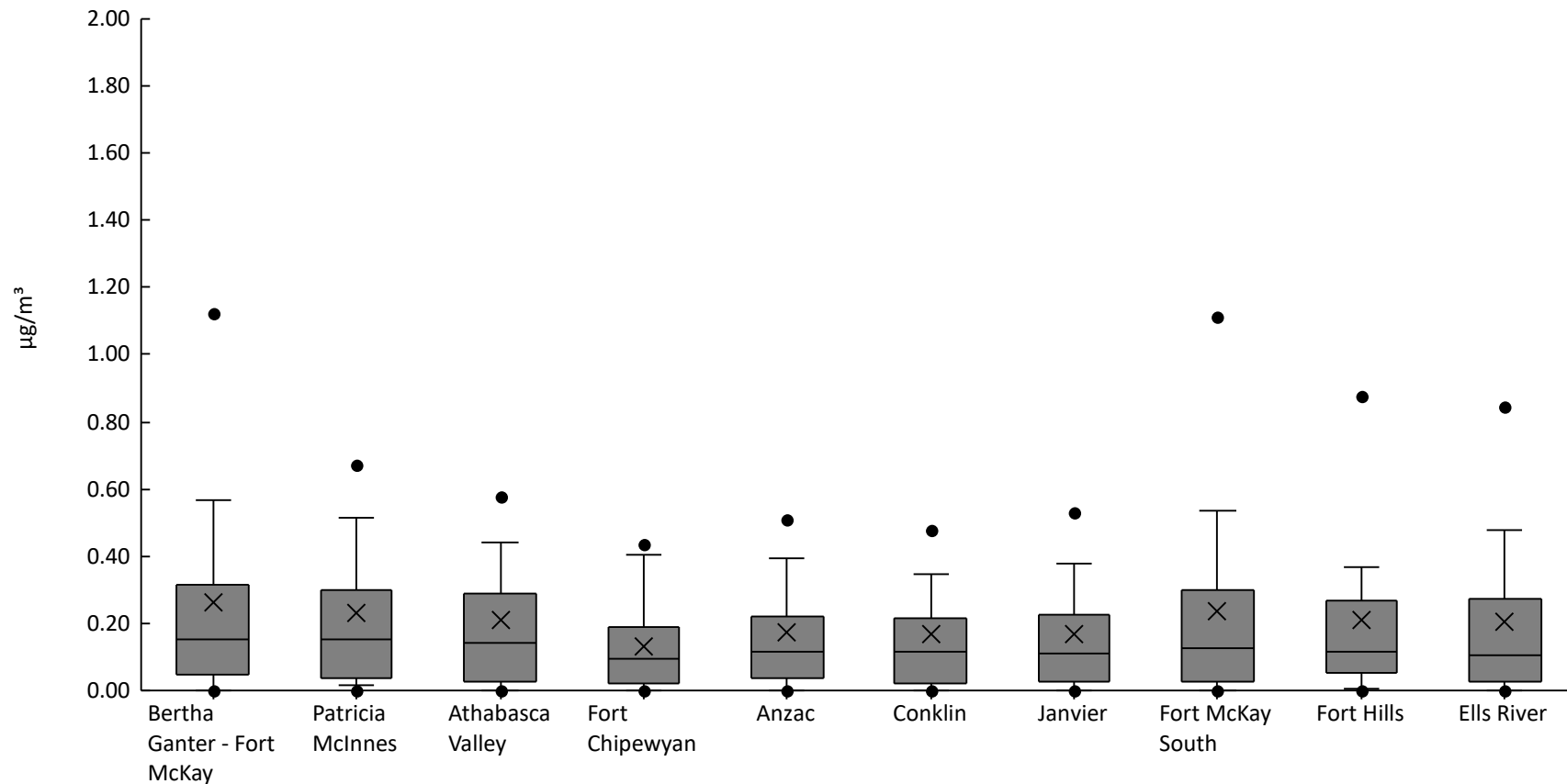
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS06	Patricia McInnes	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS07	Athabasca Valley	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS08	Fort Chipewyan	45	0%	0	0	0	0	0	0	0	0	0	0	0
AMS14	Anzac	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS21	Conklin	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS22	Janvier	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS13	Fort McKay South	61	0%	0	0	0	0	0	0	0	0	0	0	0
AMS23	Fort Hills	57	0%	0	0	0	0	0	0	0	0	0	0	0
AMS30	Ells River	60	0%	0	0	0	0	0	0	0	0	0	0	0





Particulate Matter <10µm Tested For Ions - Ammonium Ion (µg/m³) - 2022

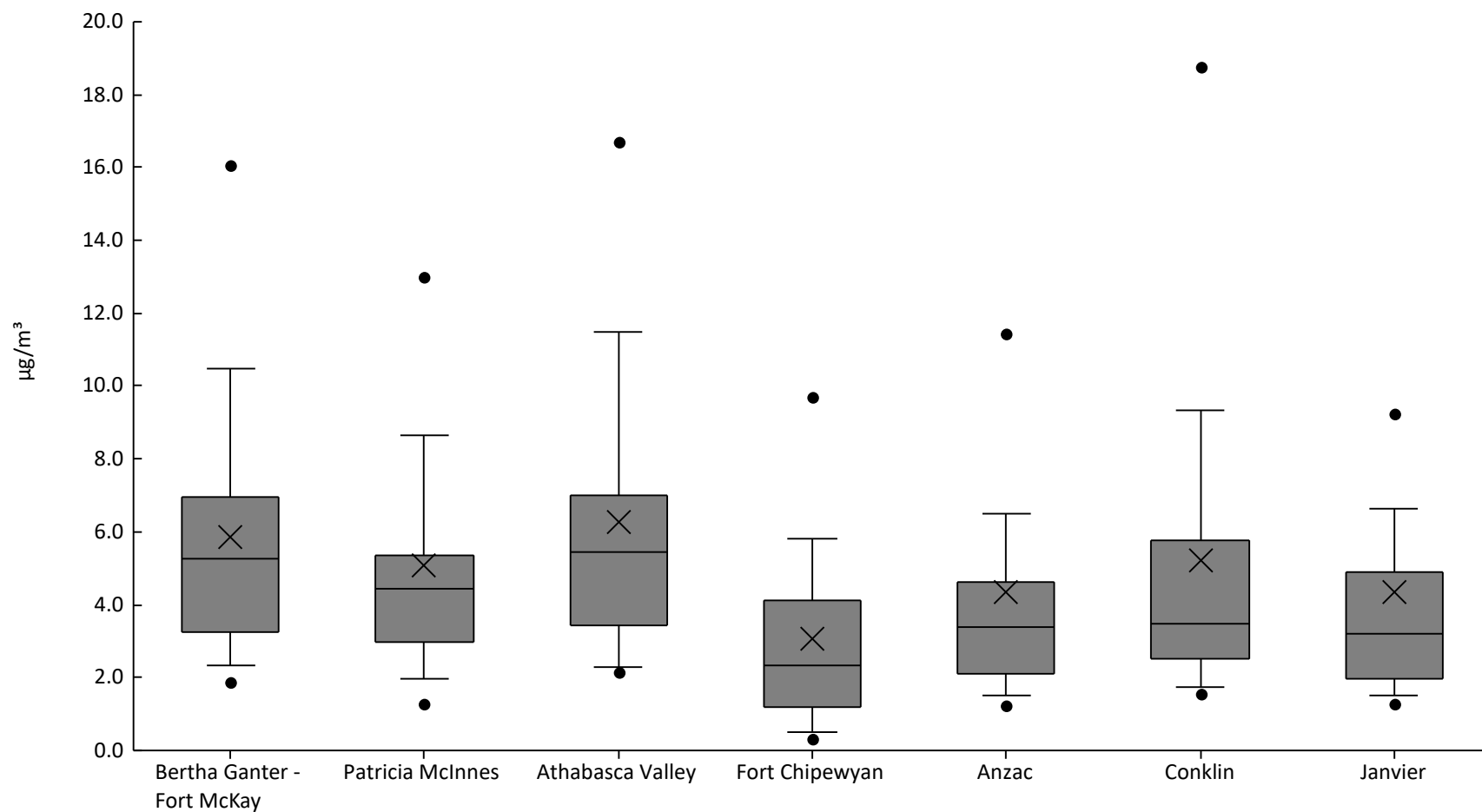
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	87%	0	0	0	0.045	0.15	0.32	0.57	1.1	1.8	0.26	0.36
AMS06	Patricia McInnes	61	97%	0	2.6E-3	0.015	0.037	0.15	0.3	0.52	0.67	1.8	0.23	0.28
AMS07	Athabasca Valley	61	95%	0	1.1E-4	2E-3	0.024	0.14	0.29	0.44	0.58	1.8	0.21	0.27
AMS08	Fort Chipewyan	45	91%	0	0	1E-3	0.02	0.094	0.19	0.41	0.43	0.51	0.13	0.14
AMS14	Anzac	61	90%	0	0	1.7E-3	0.036	0.11	0.22	0.4	0.51	1.7	0.17	0.24
AMS21	Conklin	61	87%	0	0	0	0.022	0.12	0.22	0.35	0.48	1.6	0.17	0.24
AMS22	Janvier	61	89%	0	0	0	0.025	0.11	0.22	0.38	0.53	1.3	0.17	0.22
AMS13	Fort McKay South	61	85%	0	0	0	0.024	0.13	0.3	0.54	1.1	1.3	0.23	0.31
AMS23	Fort Hills	57	91%	0	0	2.9E-3	0.052	0.11	0.27	0.37	0.87	1.6	0.21	0.28
AMS30	Ells River	60	88%	0	0	0	0.028	0.1	0.28	0.48	0.84	1.8	0.21	0.31





Particulate Matter <2.5µm Tested For Elements - Particulate Matter (µg/m³) - 2022

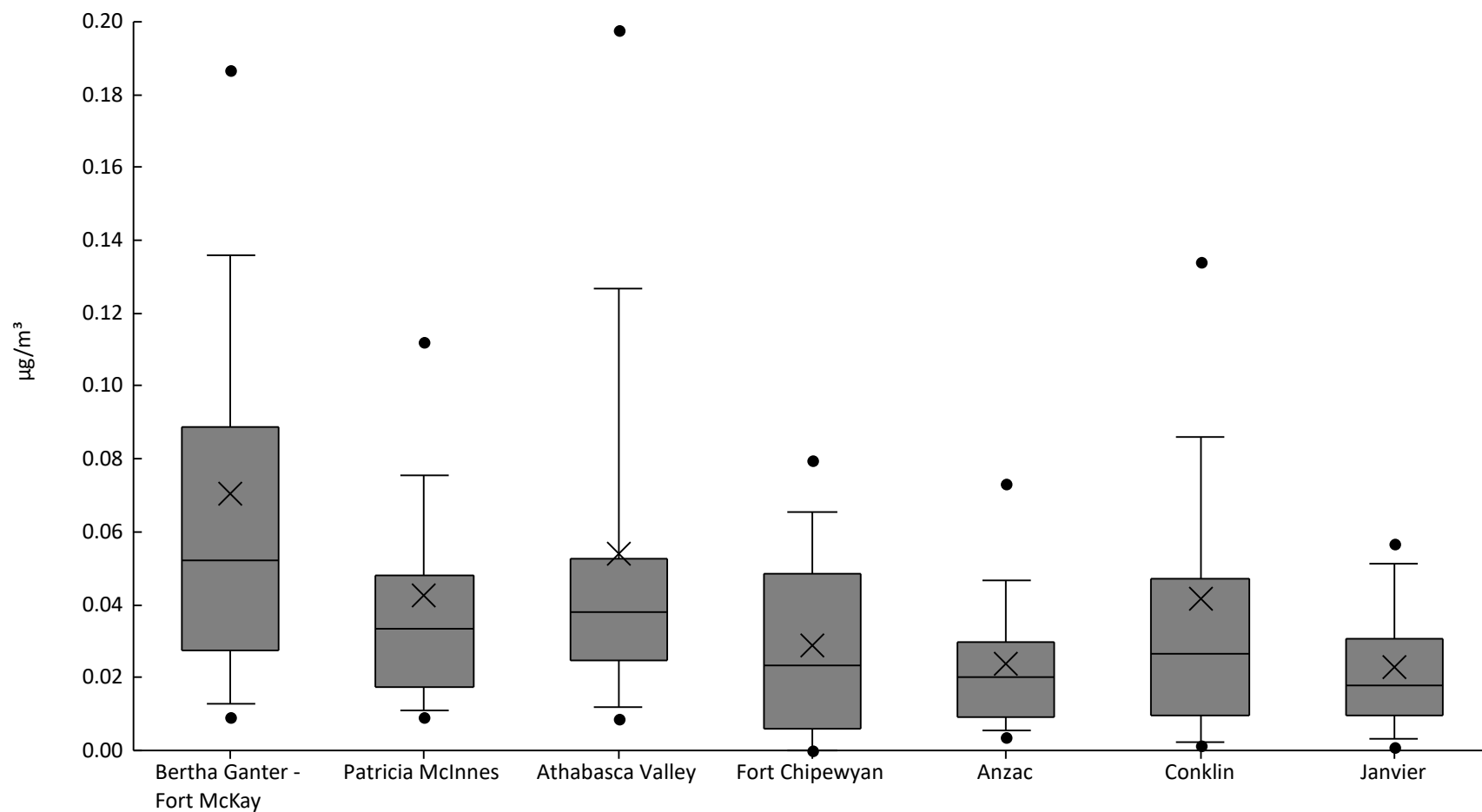
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.1	1.9	2.3	3.2	5.3	7	10	16	22	5.9	4.1
AMS06	Patricia McInnes	61	100%	0.17	1.3	2	3	4.4	5.3	8.7	13	28	5.1	4.2
AMS07	Athabasca Valley	59	100%	1.5	2.2	2.3	3.4	5.5	7	11	17	28	6.3	4.6
AMS08	Fort Chipewyan	43	100%	0.21	0.32	0.52	1.2	2.3	4.1	5.8	9.7	14	3.1	2.8
AMS14	Anzac	61	100%	0.88	1.2	1.5	2.1	3.4	4.6	6.5	11	31	4.4	4.8
AMS21	Conklin	61	100%	0.67	1.5	1.7	2.5	3.5	5.7	9.3	19	29	5.2	5.1
AMS22	Janvier	61	100%	0.54	1.3	1.5	2	3.2	4.9	6.6	9.2	27	4.3	4.6





Particulate Matter <2.5µm Tested For Elements - Aluminum (µg/m³) - 2022

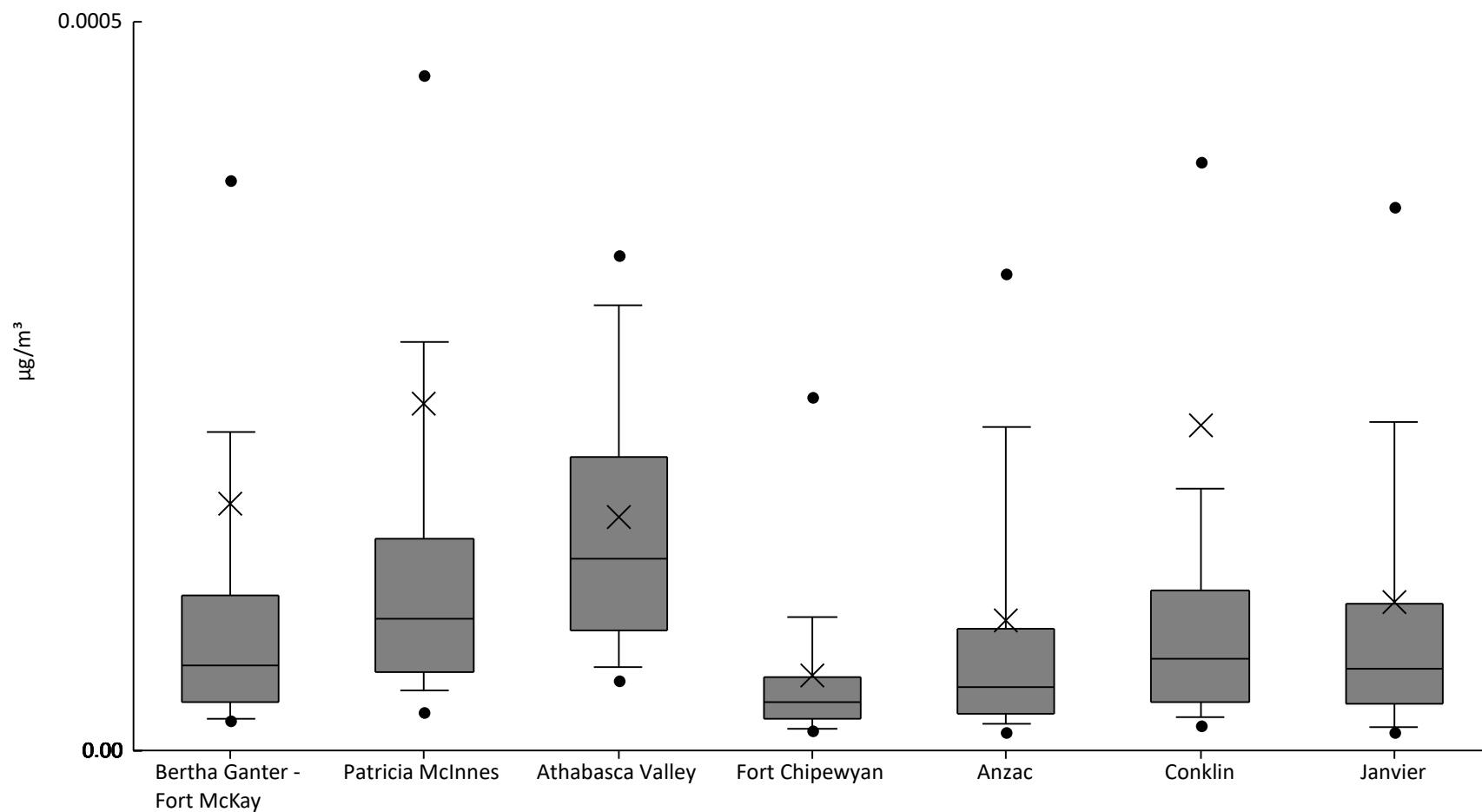
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3.3E-3	9.2E-3	0.013	0.027	0.052	0.089	0.14	0.19	0.28	0.07	0.057
AMS06	Patricia McInnes	61	98%	0	9.1E-3	0.011	0.017	0.033	0.048	0.075	0.11	0.32	0.043	0.046
AMS07	Athabasca Valley	59	100%	5.2E-3	8.7E-3	0.012	0.025	0.038	0.053	0.13	0.2	0.29	0.054	0.058
AMS08	Fort Chipewyan	43	79%	0	0	0	6.1E-3	0.023	0.048	0.065	0.08	0.12	0.029	0.028
AMS14	Anzac	61	97%	0	3.7E-3	5.7E-3	8.9E-3	0.02	0.03	0.047	0.073	0.098	0.024	0.021
AMS21	Conklin	61	87%	0	1.3E-3	2.3E-3	9.8E-3	0.026	0.047	0.086	0.13	0.3	0.042	0.055
AMS22	Janvier	61	92%	0	1.1E-3	3.1E-3	9.7E-3	0.018	0.031	0.051	0.057	0.086	0.023	0.019





Particulate Matter <2.5µm Tested For Elements - Antimony (µg/m³) - 2022

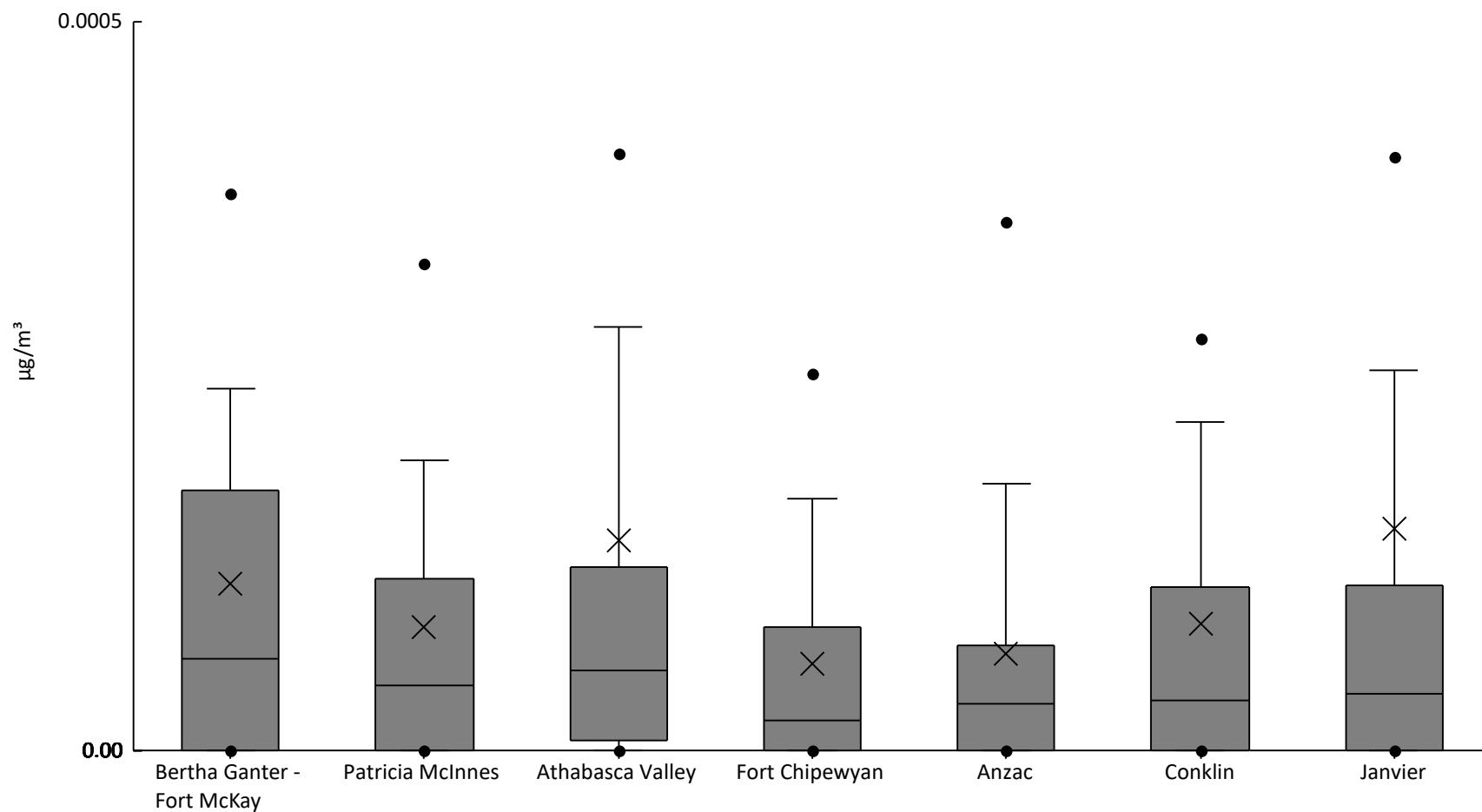
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	2E-6	2E-5	2.2E-5	3.4E-5	5.8E-5	1.1E-4	2.2E-4	3.9E-4	4.1E-3	1.7E-4	5.4E-4
AMS06	Patricia McInnes	61	100%	2E-5	2.6E-5	4.1E-5	5.4E-5	9E-5	1.4E-4	2.8E-4	4.6E-4	6.8E-3	2.4E-4	8.6E-4
AMS07	Athabasca Valley	59	98%	5E-6	4.8E-5	5.7E-5	8.3E-5	1.3E-4	2E-4	3.1E-4	3.4E-4	6E-4	1.6E-4	1.1E-4
AMS08	Fort Chipewyan	43	86%	1.2E-5	1.4E-5	1.5E-5	2.2E-5	3.3E-5	5.1E-5	9.2E-5	2.4E-4	2.9E-4	5.2E-5	6.3E-5
AMS14	Anzac	61	93%	3E-6	1.3E-5	1.8E-5	2.5E-5	4.4E-5	8.3E-5	2.2E-4	3.3E-4	9.4E-4	8.9E-5	1.4E-4
AMS21	Conklin	61	97%	1.2E-5	1.7E-5	2.3E-5	3.3E-5	6.3E-5	1.1E-4	1.8E-4	4E-4	7.7E-3	2.2E-4	9.8E-4
AMS22	Janvier	61	92%	4E-6	1.3E-5	1.6E-5	3.2E-5	5.6E-5	1E-4	2.3E-4	3.7E-4	7.5E-4	1E-4	1.3E-4





Particulate Matter <2.5µm Tested For Elements - Arsenic (µg/m³) - 2022

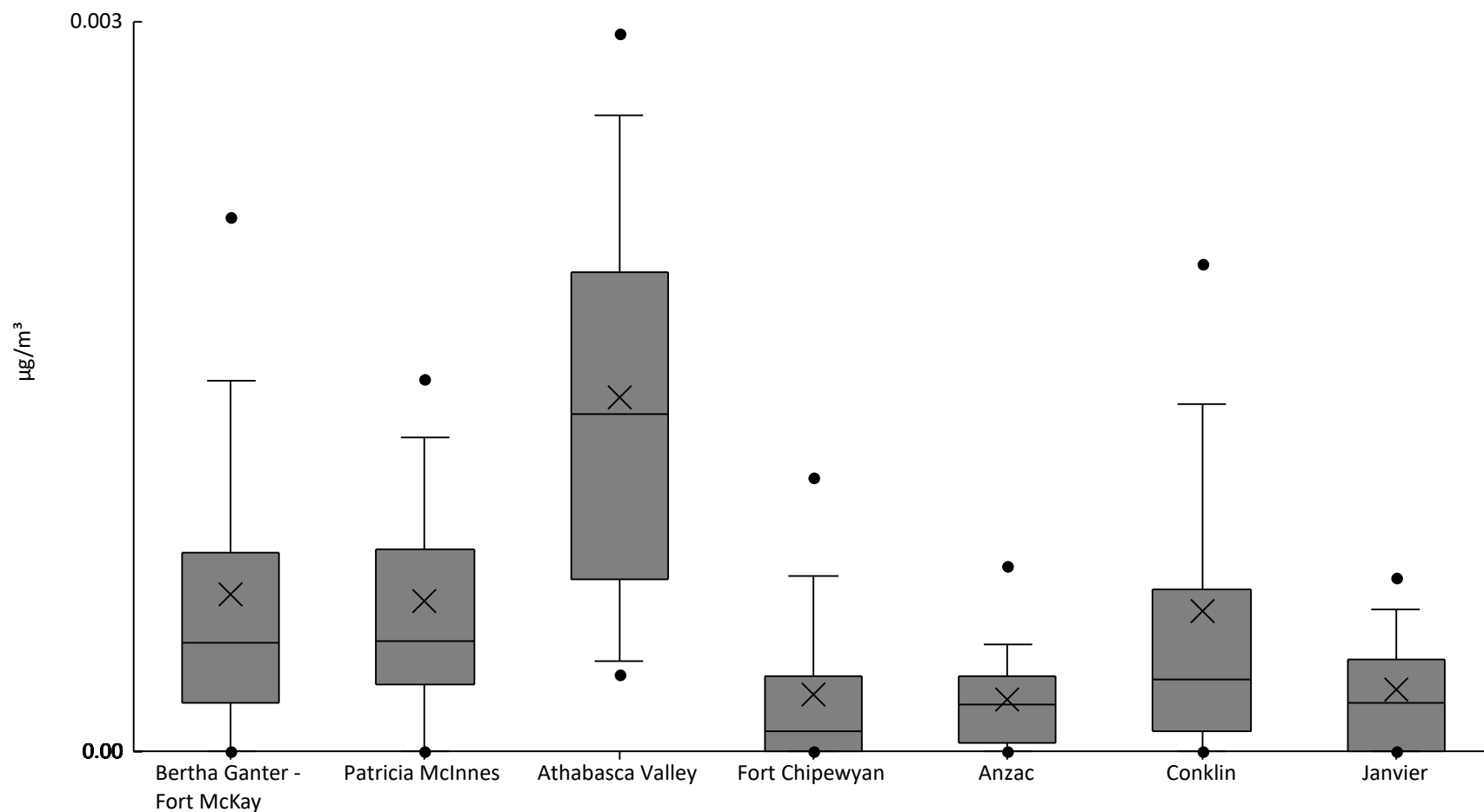
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	70%	0	0	0	0	6.3E-5	1.8E-4	2.5E-4	3.8E-4	7.4E-4	1.1E-4	1.6E-4
AMS06	Patricia McInnes	61	69%	0	0	0	0	4.5E-5	1.2E-4	2E-4	3.3E-4	7.4E-4	8.5E-5	1.3E-4
AMS07	Athabasca Valley	59	76%	0	0	0	7E-6	5.5E-5	1.3E-4	2.9E-4	4.1E-4	2.6E-3	1.4E-4	3.7E-4
AMS08	Fort Chipewyan	43	67%	0	0	0	0	2.1E-5	8.5E-5	1.7E-4	2.6E-4	3.5E-4	6E-5	8.6E-5
AMS14	Anzac	61	62%	0	0	0	0	3.2E-5	7.2E-5	1.8E-4	3.6E-4	6.4E-4	6.6E-5	1.2E-4
AMS21	Conklin	61	70%	0	0	0	0	3.4E-5	1.1E-4	2.3E-4	2.8E-4	1E-3	8.6E-5	1.5E-4
AMS22	Janvier	61	62%	0	0	0	0	3.9E-5	1.1E-4	2.6E-4	4.1E-4	3.7E-3	1.5E-4	5E-4





Particulate Matter <2.5µm Tested For Elements - Barium (µg/m³) - 2022

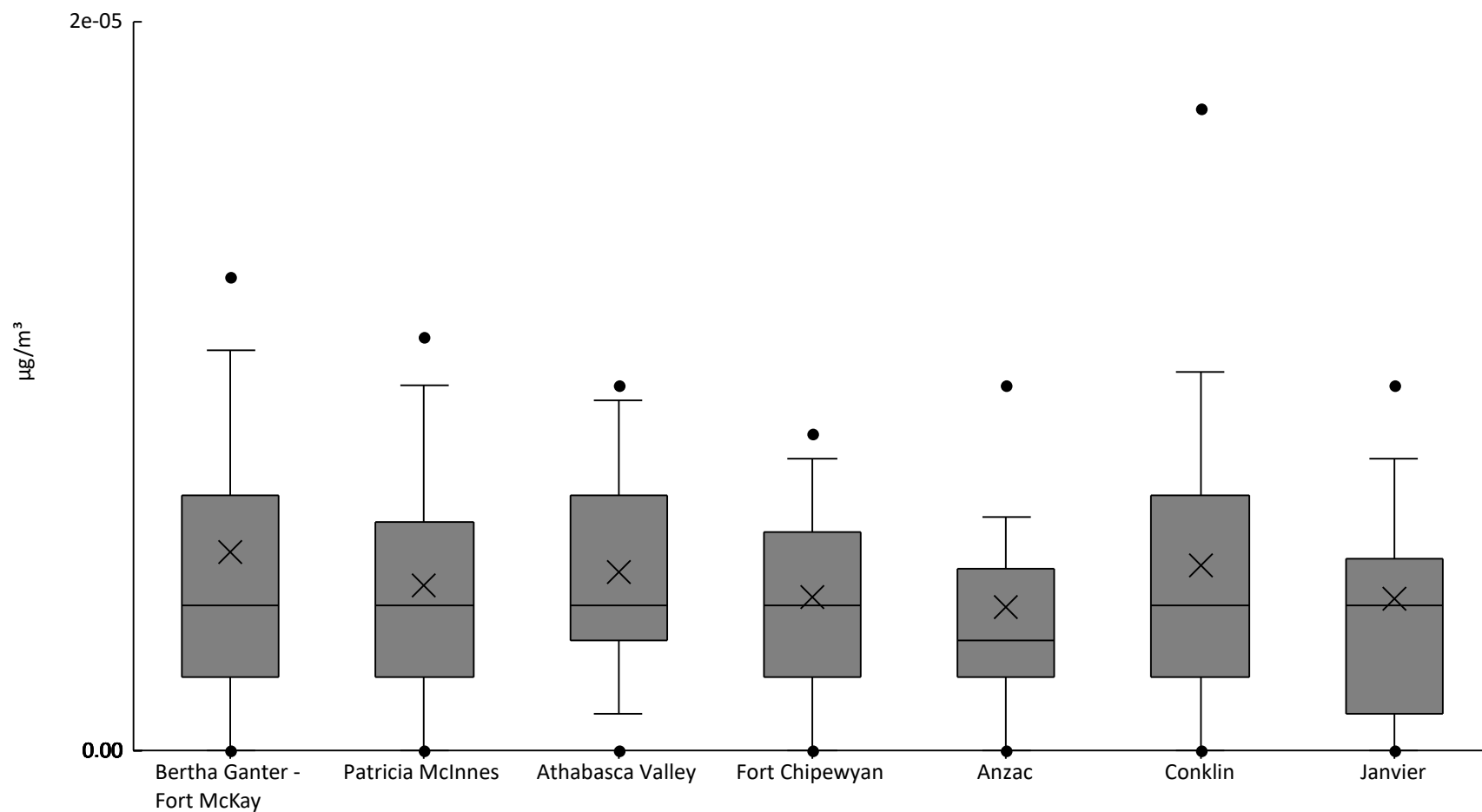
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	87%	0	0	0	2E-4	4.5E-4	8.2E-4	1.5E-3	2.2E-3	3E-3	6.5E-4	6.8E-4
AMS06	Patricia McInnes	61	87%	0	0	0	2.8E-4	4.5E-4	8.3E-4	1.3E-3	1.5E-3	3.1E-3	6.2E-4	5.9E-4
AMS07	Athabasca Valley	59	98%	0	3.1E-4	3.7E-4	7.1E-4	1.4E-3	2E-3	2.6E-3	3E-3	5.5E-3	1.5E-3	9.5E-4
AMS08	Fort Chipewyan	43	58%	0	0	0	1.8E-6	8.3E-5	3.1E-4	7.2E-4	1.1E-3	1.2E-3	2.4E-4	3.3E-4
AMS14	Anzac	61	74%	0	0	0	3.5E-5	2E-4	3.1E-4	4.4E-4	7.6E-4	1.1E-3	2.2E-4	2.3E-4
AMS21	Conklin	61	82%	0	0	0	8.1E-5	3E-4	6.7E-4	1.4E-3	2E-3	4.8E-3	5.8E-4	9E-4
AMS22	Janvier	61	70%	0	0	0	0	2E-4	3.7E-4	5.9E-4	7.2E-4	1.5E-3	2.6E-4	2.8E-4





Particulate Matter <2.5µm Tested For Elements - Beryllium (µg/m³) - 2022

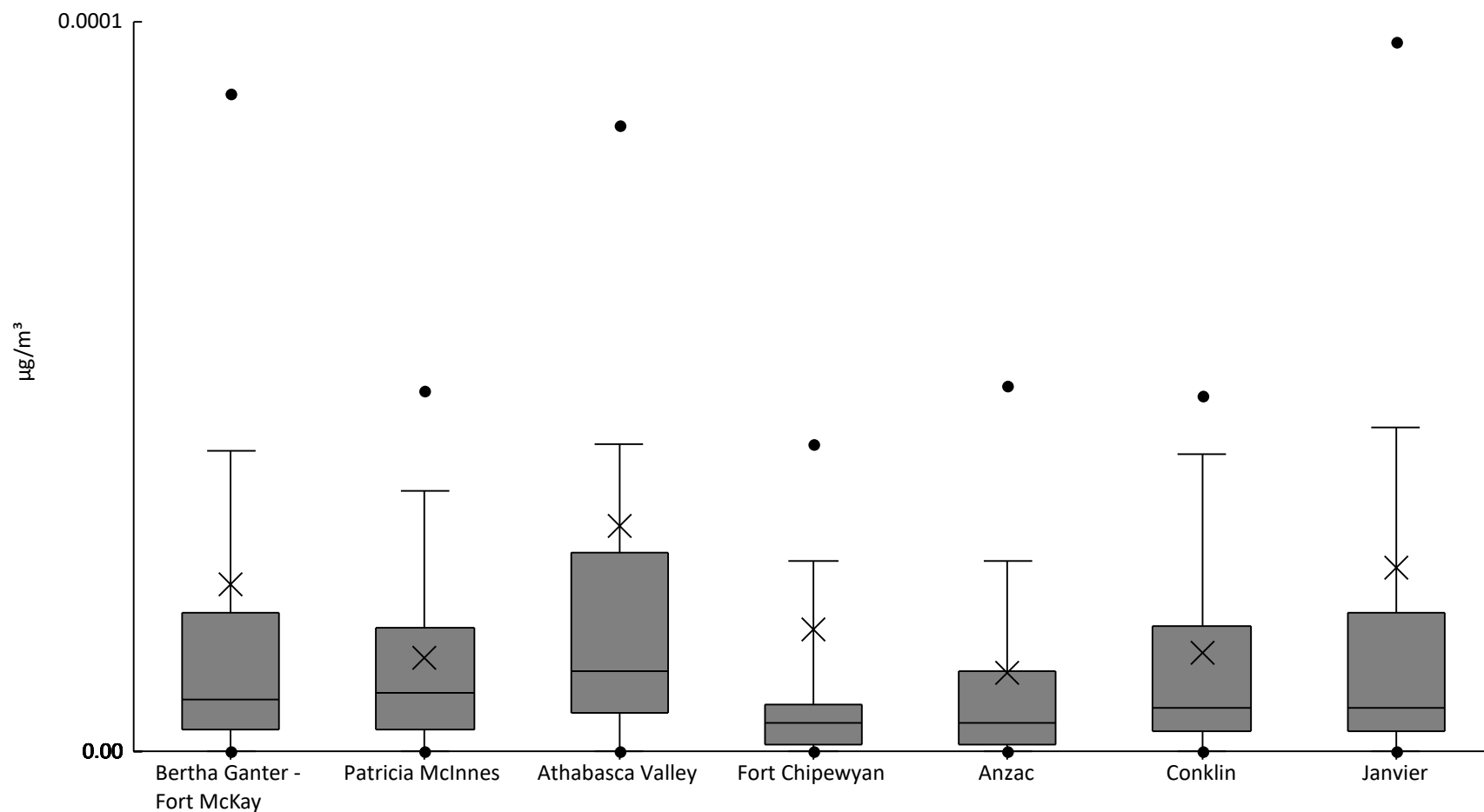
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	7%	0	0	0	2E-6	4E-6	7E-6	1.1E-5	1.3E-5	3.7E-5	5.4E-6	5.6E-6
AMS06	Patricia McInnes	61	5%	0	0	0	2E-6	4E-6	6.3E-6	1E-5	1.1E-5	1.6E-5	4.5E-6	3.6E-6
AMS07	Athabasca Valley	59	3%	0	0	1E-6	3E-6	4E-6	7E-6	9.6E-6	1E-5	1.5E-5	4.9E-6	3.3E-6
AMS08	Fort Chipewyan	43	0%	0	0	0	2E-6	4E-6	6E-6	8E-6	8.7E-6	1.2E-5	4.2E-6	3E-6
AMS14	Anzac	61	2%	0	0	0	2E-6	3E-6	5E-6	6.4E-6	1E-5	3.3E-5	3.9E-6	4.5E-6
AMS21	Conklin	61	7%	0	0	0	2E-6	4E-6	7E-6	1E-5	1.8E-5	3.1E-5	5.1E-6	5.7E-6
AMS22	Janvier	61	2%	0	0	0	1E-6	4E-6	5.3E-6	8E-6	1E-5	2.7E-5	4.2E-6	4.2E-6





Particulate Matter <2.5µm Tested For Elements - Bismuth (µg/m³) - 2022

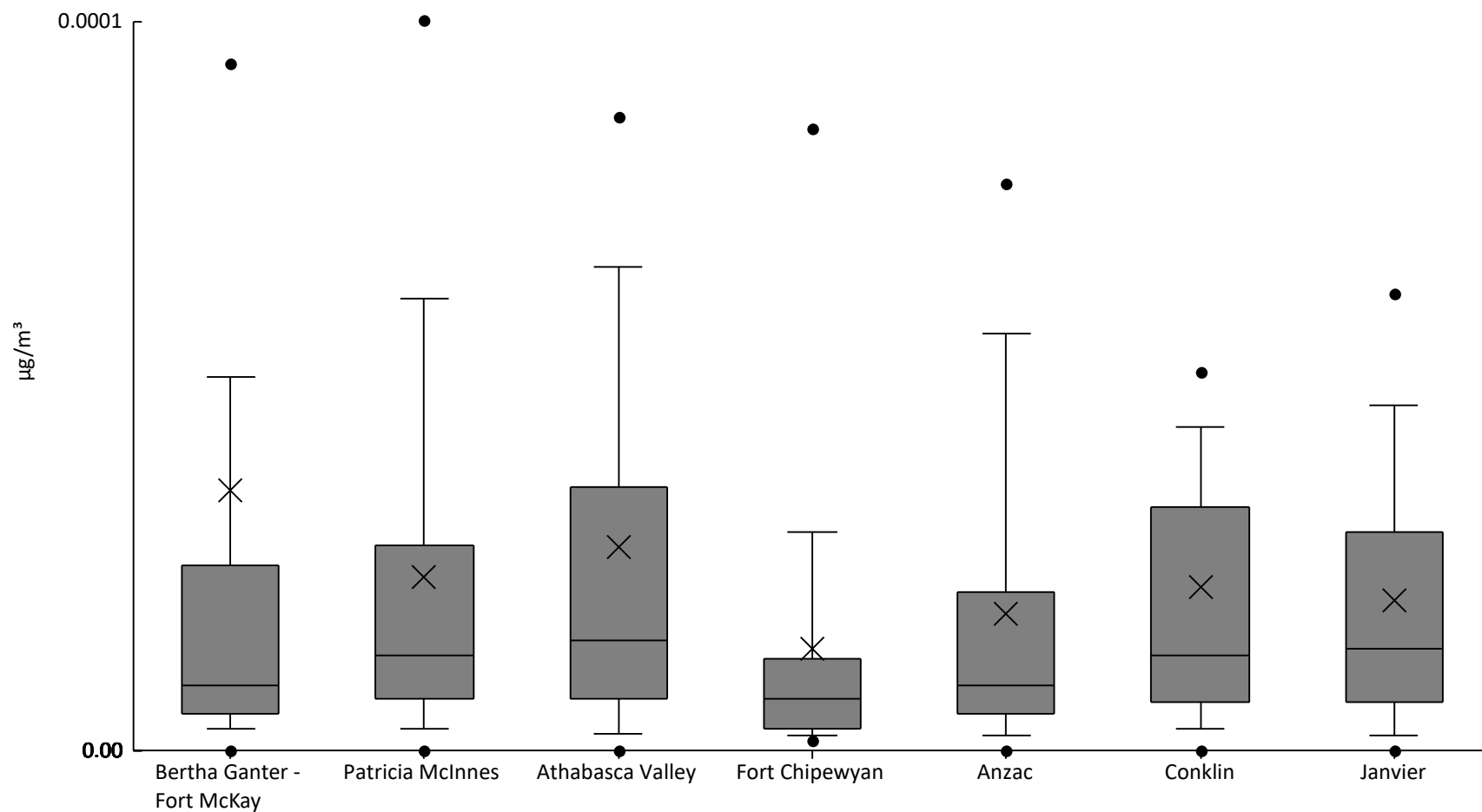
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	67%	0	0	0	3E-6	7E-6	1.9E-5	4.1E-5	9E-5	4.3E-4	2.3E-5	5.9E-5
AMS06	Patricia McInnes	61	67%	0	0	0	3E-6	8E-6	1.7E-5	3.6E-5	5E-5	6.9E-5	1.3E-5	1.6E-5
AMS07	Athabasca Valley	59	78%	0	0	0	5.3E-6	1.1E-5	2.7E-5	4.2E-5	8.6E-5	5.4E-4	3.1E-5	7.9E-5
AMS08	Fort Chipewyan	43	51%	0	0	0	1E-6	4E-6	6.5E-6	2.6E-5	4.2E-5	4.4E-4	1.7E-5	6.7E-5
AMS14	Anzac	61	52%	0	0	0	1E-6	4E-6	1.1E-5	2.6E-5	5E-5	1.1E-4	1.1E-5	2E-5
AMS21	Conklin	61	67%	0	0	0	2.8E-6	6E-6	1.7E-5	4.1E-5	4.9E-5	8.8E-5	1.3E-5	1.8E-5
AMS22	Janvier	61	64%	0	0	0	2.8E-6	6E-6	1.9E-5	4.4E-5	9.7E-5	4.2E-4	2.5E-5	6.4E-5





Particulate Matter <2.5µm Tested For Elements - Cadmium (µg/m³) - 2022

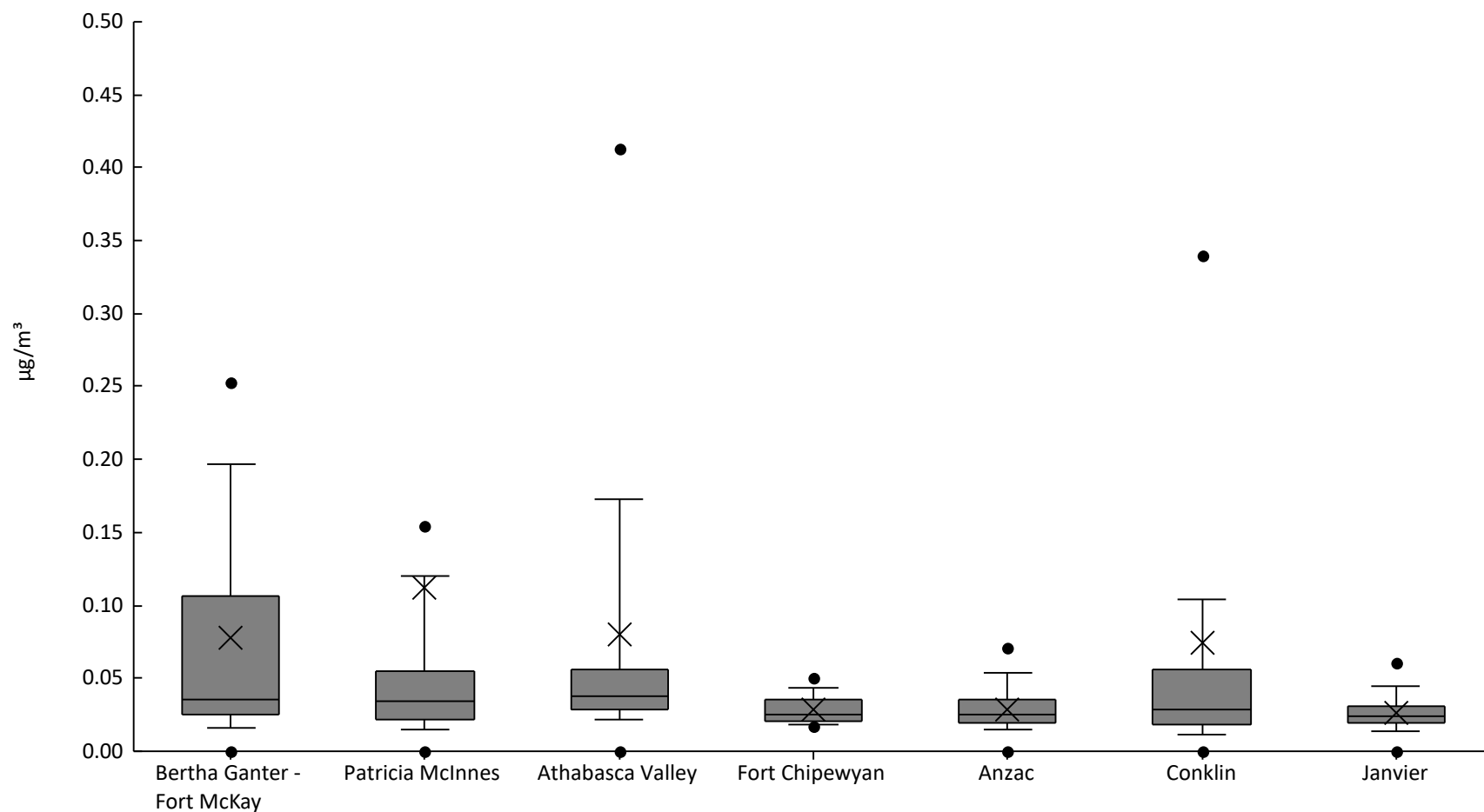
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	48%	0	0	3E-6	5E-6	9E-6	2.6E-5	5.1E-5	9.4E-5	9.7E-4	3.6E-5	1.2E-4
AMS06	Patricia McInnes	61	52%	0	0	3E-6	7E-6	1.3E-5	2.8E-5	6.2E-5	1E-4	1.4E-4	2.4E-5	3E-5
AMS07	Athabasca Valley	59	64%	0	0	2.4E-6	7E-6	1.5E-5	3.6E-5	6.6E-5	8.7E-5	2.1E-4	2.8E-5	3.6E-5
AMS08	Fort Chipewyan	43	28%	0	1.3E-6	2E-6	3E-6	7E-6	1.3E-5	3E-5	8.5E-5	8.8E-5	1.4E-5	2.2E-5
AMS14	Anzac	61	43%	0	0	2E-6	5E-6	9E-6	2.2E-5	5.7E-5	7.8E-5	9.4E-5	1.9E-5	2.3E-5
AMS21	Conklin	61	59%	0	0	3E-6	6.8E-6	1.3E-5	3.4E-5	4.4E-5	5.2E-5	1.4E-4	2.3E-5	2.4E-5
AMS22	Janvier	61	56%	0	0	2E-6	6.8E-6	1.4E-5	3E-5	4.7E-5	6.3E-5	7.6E-5	2.1E-5	1.9E-5





Particulate Matter <2.5µm Tested For Elements - Calcium (µg/m³) - 2022

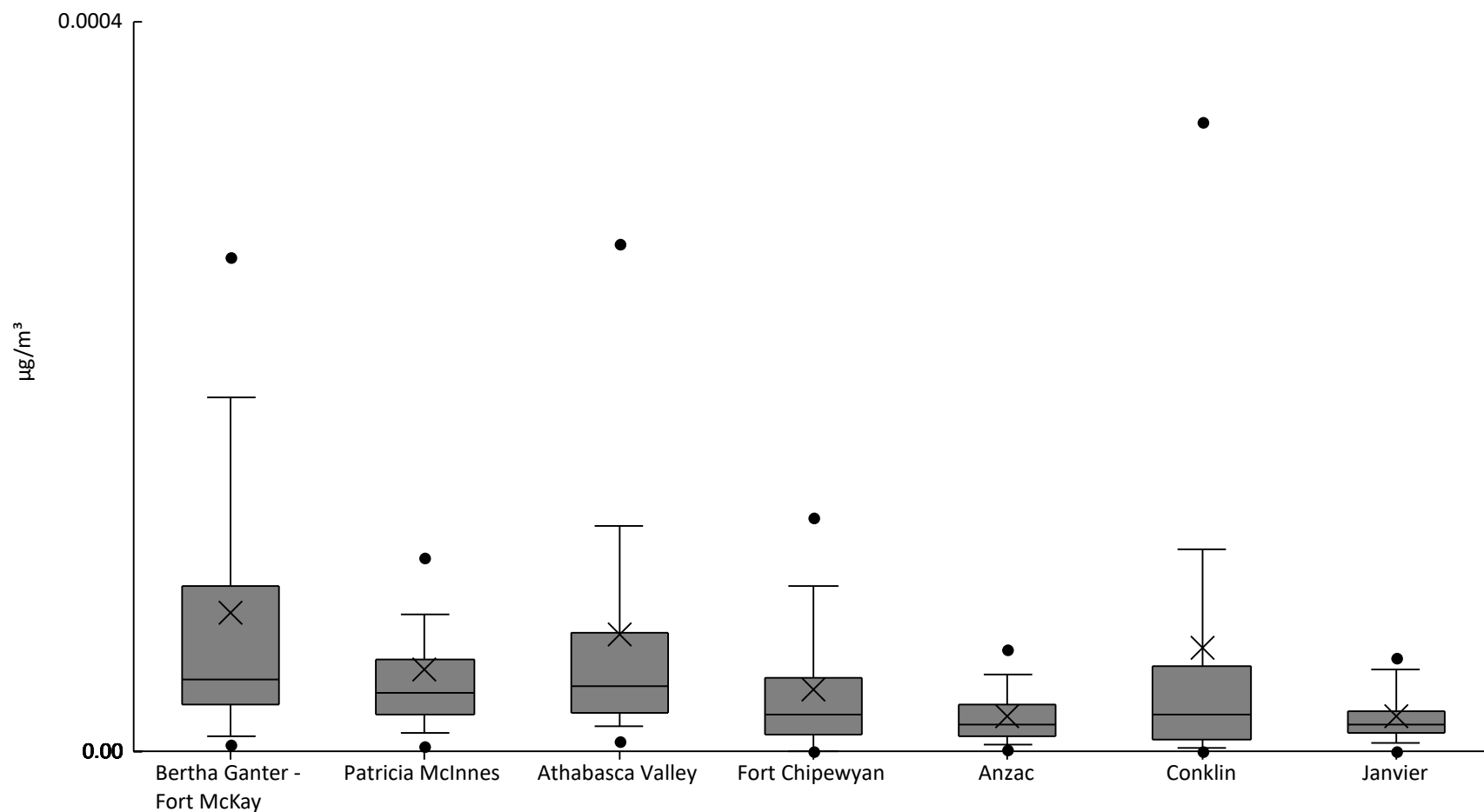
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	92%	0	0	0.016	0.025	0.035	0.11	0.2	0.25	0.48	0.078	0.088
AMS06	Patricia McInnes	61	92%	0	0	0.015	0.022	0.035	0.055	0.12	0.15	3.8	0.11	0.49
AMS07	Athabasca Valley	59	92%	0	0	0.022	0.028	0.037	0.056	0.17	0.41	0.59	0.08	0.12
AMS08	Fort Chipewyan	43	98%	0.013	0.017	0.018	0.021	0.026	0.035	0.044	0.051	0.066	0.029	0.011
AMS14	Anzac	61	92%	0	0	0.015	0.019	0.025	0.035	0.054	0.071	0.084	0.029	0.018
AMS21	Conklin	61	87%	0	0	0.011	0.018	0.028	0.057	0.1	0.34	0.89	0.074	0.16
AMS22	Janvier	61	92%	0	0	0.013	0.02	0.024	0.031	0.044	0.061	0.074	0.026	0.015





Particulate Matter <2.5µm Tested For Elements - Cerium (µg/m³) - 2022

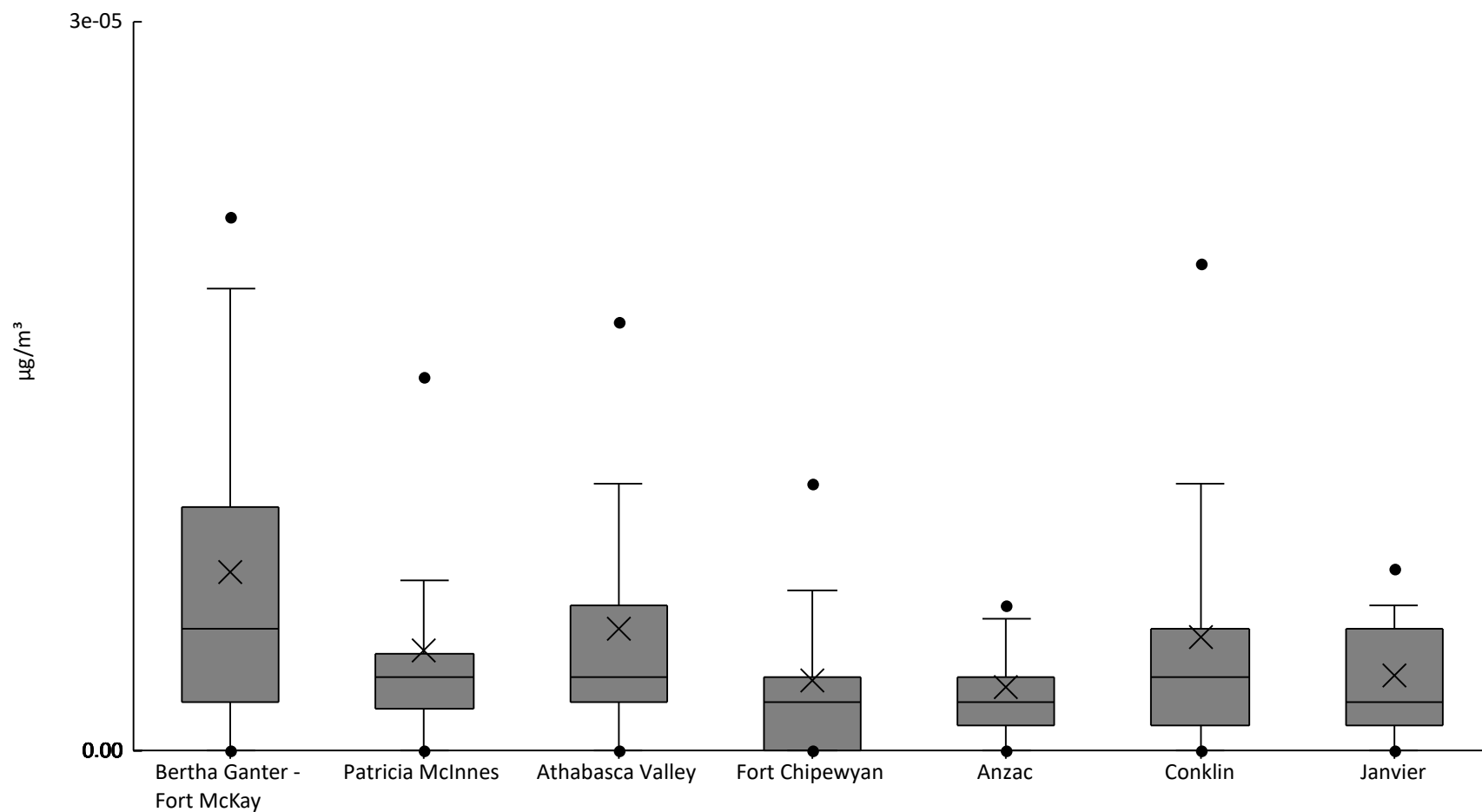
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	87%	0	3.3E-6	8.6E-6	2.6E-5	3.9E-5	9.1E-5	1.9E-4	2.7E-4	3.8E-4	7.6E-5	8.4E-5
AMS06	Patricia McInnes	61	85%	0	2.8E-6	1E-5	2E-5	3.2E-5	5E-5	7.5E-5	1.1E-4	4.3E-4	4.5E-5	6.1E-5
AMS07	Athabasca Valley	59	93%	0	5.4E-6	1.3E-5	2.1E-5	3.6E-5	6.5E-5	1.2E-4	2.8E-4	4.1E-4	6.4E-5	8.4E-5
AMS08	Fort Chipewyan	43	60%	0	0	0	9E-6	2E-5	4E-5	9E-5	1.3E-4	1.8E-4	3.4E-5	4.1E-5
AMS14	Anzac	61	56%	0	5.5E-7	3.6E-6	8E-6	1.5E-5	2.5E-5	4.2E-5	5.6E-5	7.3E-5	1.9E-5	1.6E-5
AMS21	Conklin	61	64%	0	0	2E-6	6E-6	2E-5	4.7E-5	1.1E-4	3.5E-4	5.4E-4	5.7E-5	1.1E-4
AMS22	Janvier	61	61%	0	0	4.6E-6	9.8E-6	1.5E-5	2.2E-5	4.4E-5	5.1E-5	8.6E-5	1.9E-5	1.6E-5





Particulate Matter <2.5µm Tested For Elements - Cesium (µg/m³) - 2022

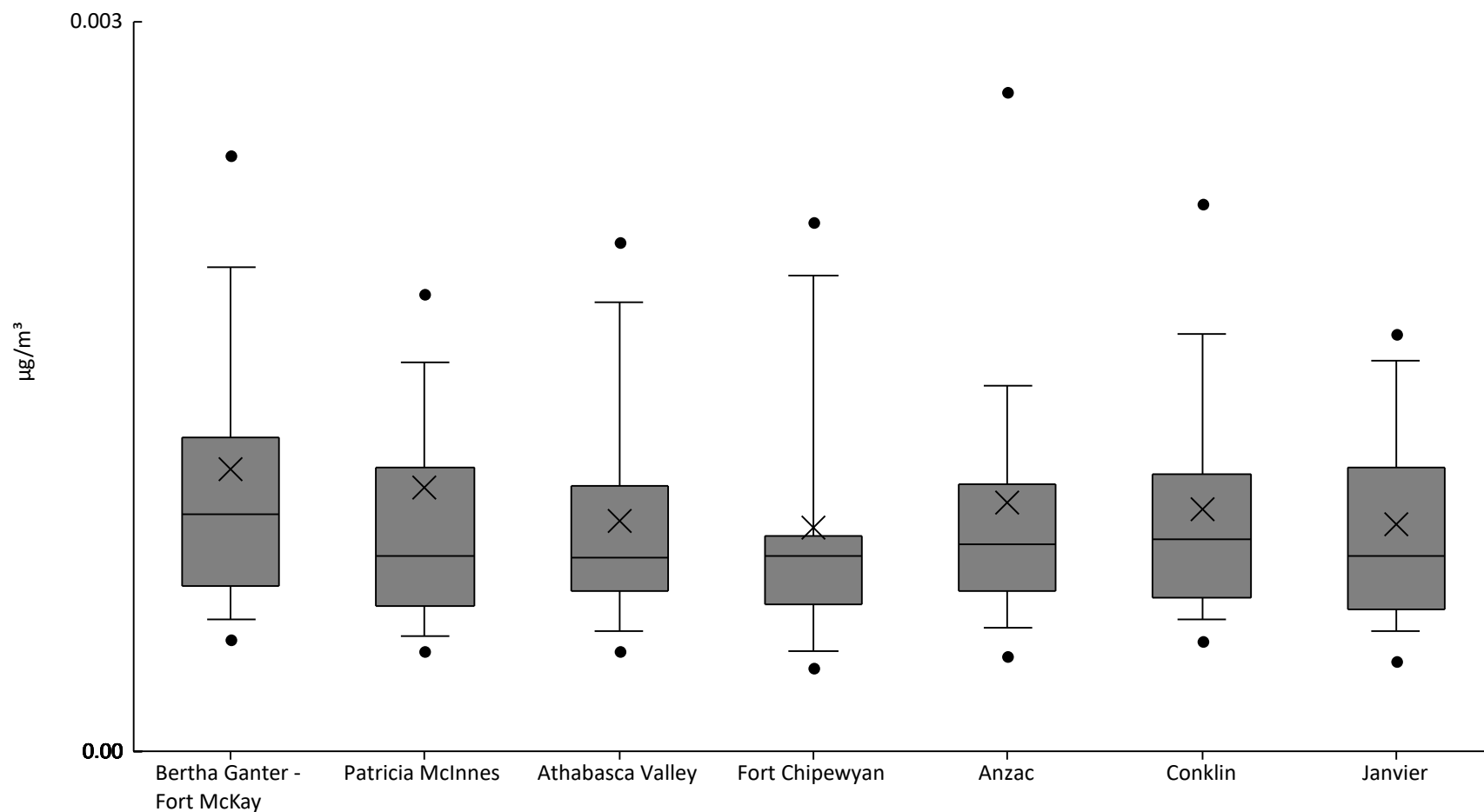
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	64%	0	0	0	2E-6	5E-6	1E-5	1.9E-5	2.2E-5	4.7E-5	7.3E-6	8.4E-6
AMS06	Patricia McInnes	61	43%	0	0	0	1.8E-6	3E-6	4E-6	7E-6	1.5E-5	2.9E-5	4.1E-6	5E-6
AMS07	Athabasca Valley	59	44%	0	0	0	2E-6	3E-6	6E-6	1.1E-5	1.8E-5	2.9E-5	5E-6	5.7E-6
AMS08	Fort Chipewyan	43	19%	0	0	0	0	2E-6	3E-6	6.6E-6	1.1E-5	3E-5	2.9E-6	5E-6
AMS14	Anzac	61	20%	0	0	0	1E-6	2E-6	3E-6	5.4E-6	6E-6	3.6E-5	2.6E-6	4.8E-6
AMS21	Conklin	61	38%	0	0	0	1E-6	3E-6	5E-6	1.1E-5	2E-5	3.2E-5	4.7E-6	6.5E-6
AMS22	Janvier	61	30%	0	0	0	1E-6	2E-6	5E-6	6E-6	7.5E-6	3.6E-5	3.1E-6	5E-6





Particulate Matter <2.5µm Tested For Elements - Chromium (µg/m³) - 2022

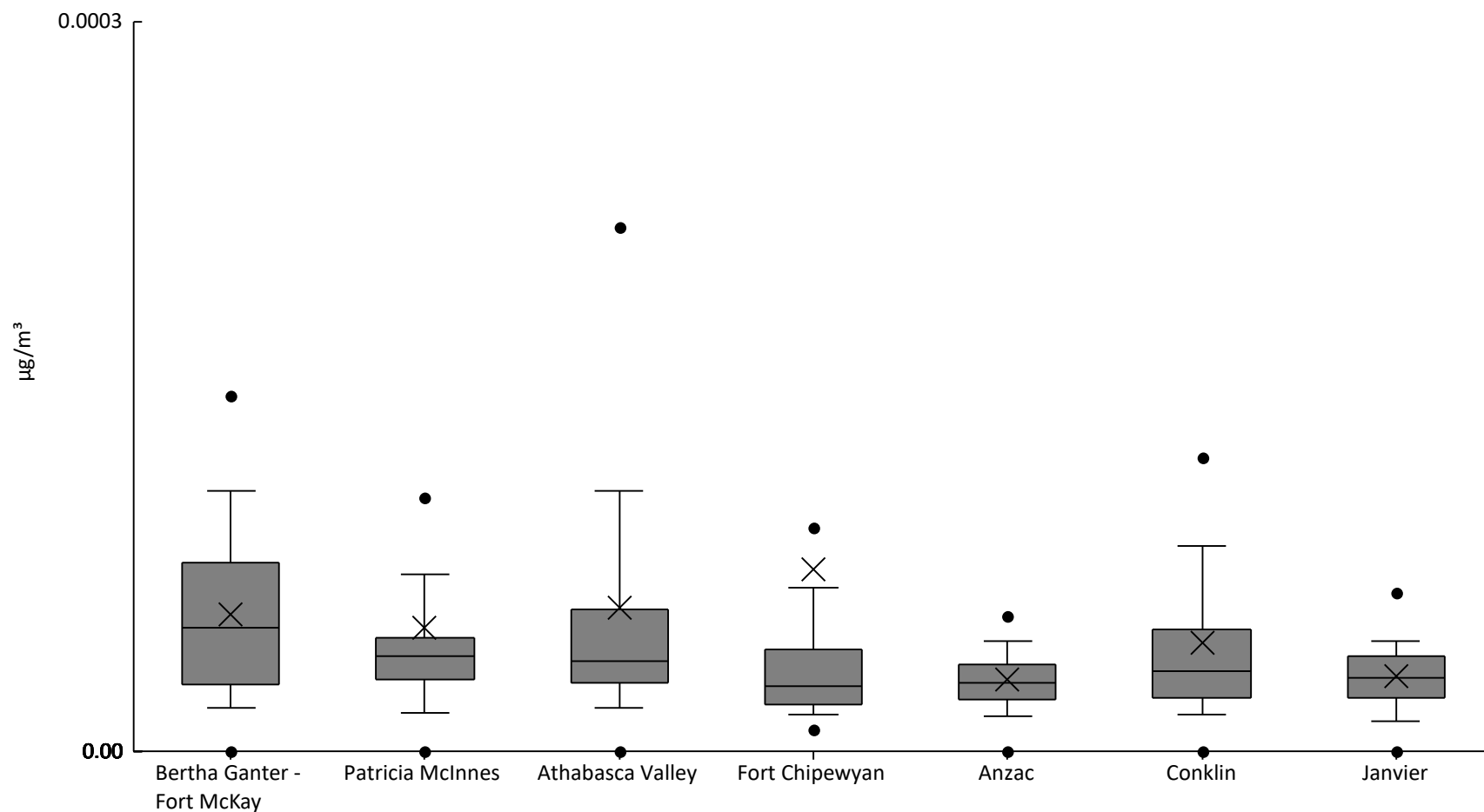
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3.5E-4	4.6E-4	5.5E-4	6.8E-4	9.8E-4	1.3E-3	2E-3	2.5E-3	4.5E-3	1.2E-3	7.8E-4
AMS06	Patricia McInnes	61	100%	2.6E-4	4.1E-4	4.8E-4	6E-4	8.1E-4	1.2E-3	1.6E-3	1.9E-3	8E-3	1.1E-3	1.1E-3
AMS07	Athabasca Valley	59	100%	2.8E-4	4.2E-4	4.9E-4	6.6E-4	7.9E-4	1.1E-3	1.8E-3	2.1E-3	2.5E-3	9.5E-4	5E-4
AMS08	Fort Chipewyan	43	100%	2.7E-4	3.4E-4	4.1E-4	6E-4	8E-4	8.9E-4	2E-3	2.2E-3	2.8E-3	9.2E-4	5.5E-4
AMS14	Anzac	61	100%	3.6E-4	3.9E-4	5E-4	6.6E-4	8.5E-4	1.1E-3	1.5E-3	2.7E-3	4.1E-3	1E-3	7.3E-4
AMS21	Conklin	61	100%	3.8E-4	4.5E-4	5.4E-4	6.3E-4	8.7E-4	1.1E-3	1.7E-3	2.3E-3	2.9E-3	1E-3	5.4E-4
AMS22	Janvier	61	100%	2.9E-4	3.7E-4	4.9E-4	5.9E-4	8E-4	1.2E-3	1.6E-3	1.7E-3	2.8E-3	9.3E-4	4.8E-4





Particulate Matter <2.5µm Tested For Elements - Cobalt (µg/m³) - 2022

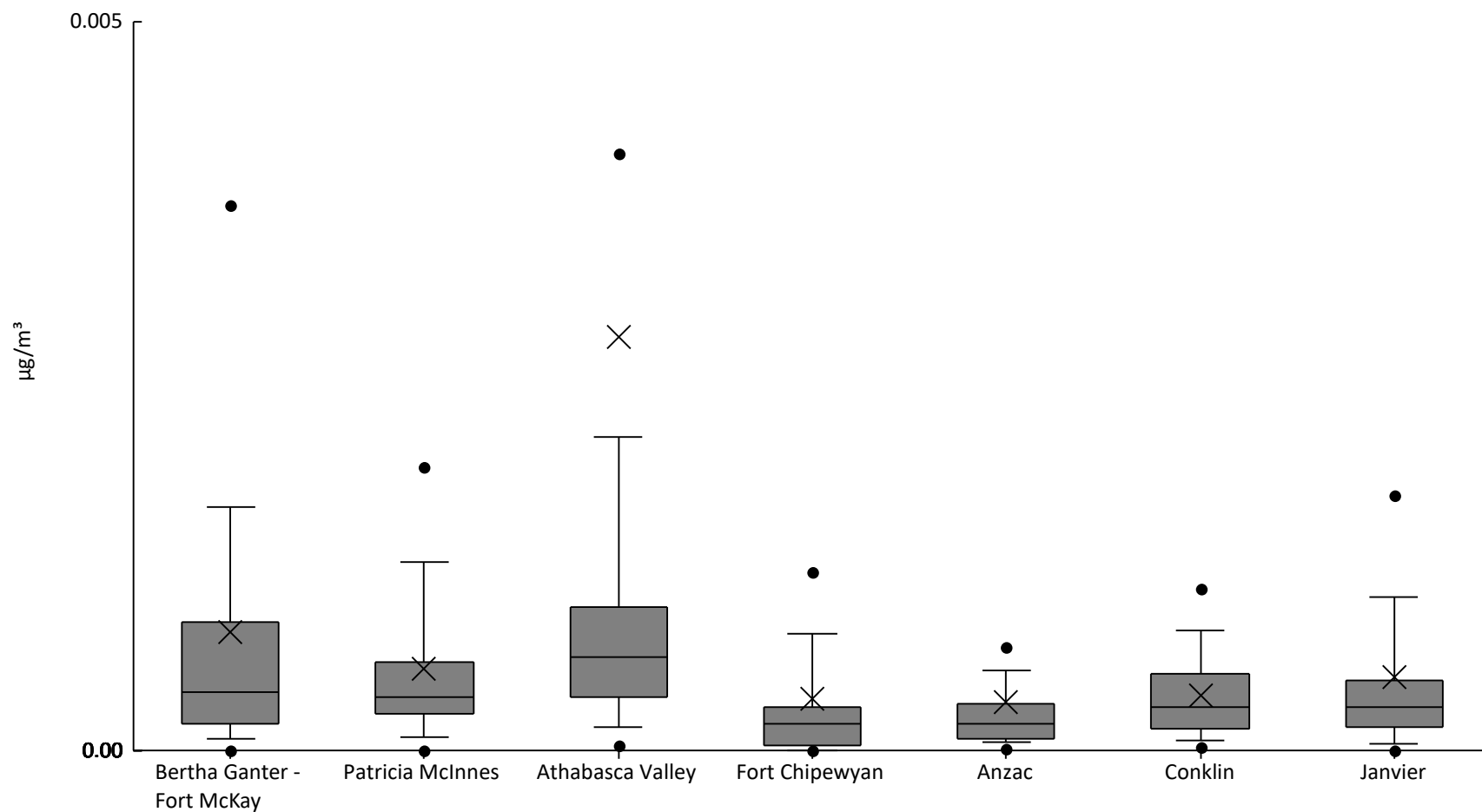
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	92%	0	0	1.8E-5	2.8E-5	5.1E-5	7.8E-5	1.1E-4	1.5E-4	1.7E-4	5.6E-5	4E-5
AMS06	Patricia McInnes	61	92%	0	0	1.6E-5	3E-5	3.9E-5	4.7E-5	7.3E-5	1E-4	5.6E-4	5E-5	7.2E-5
AMS07	Athabasca Valley	59	92%	0	0	1.8E-5	2.8E-5	3.7E-5	5.9E-5	1.1E-4	2.2E-4	4.1E-4	5.9E-5	7.1E-5
AMS08	Fort Chipewyan	43	95%	0	9.1E-6	1.5E-5	1.9E-5	2.7E-5	4.2E-5	6.8E-5	9.2E-5	1.9E-3	7.5E-5	2.8E-4
AMS14	Anzac	61	92%	0	0	1.4E-5	2.1E-5	2.8E-5	3.6E-5	4.5E-5	5.5E-5	7.8E-5	2.9E-5	1.4E-5
AMS21	Conklin	61	92%	0	0	1.5E-5	2.2E-5	3.3E-5	5E-5	8.4E-5	1.2E-4	2.4E-4	4.5E-5	4.4E-5
AMS22	Janvier	61	92%	0	0	1.3E-5	2.2E-5	3E-5	3.9E-5	4.5E-5	6.5E-5	9.9E-5	3.1E-5	1.8E-5





Particulate Matter <2.5µm Tested For Elements - Copper (µg/m³) - 2022

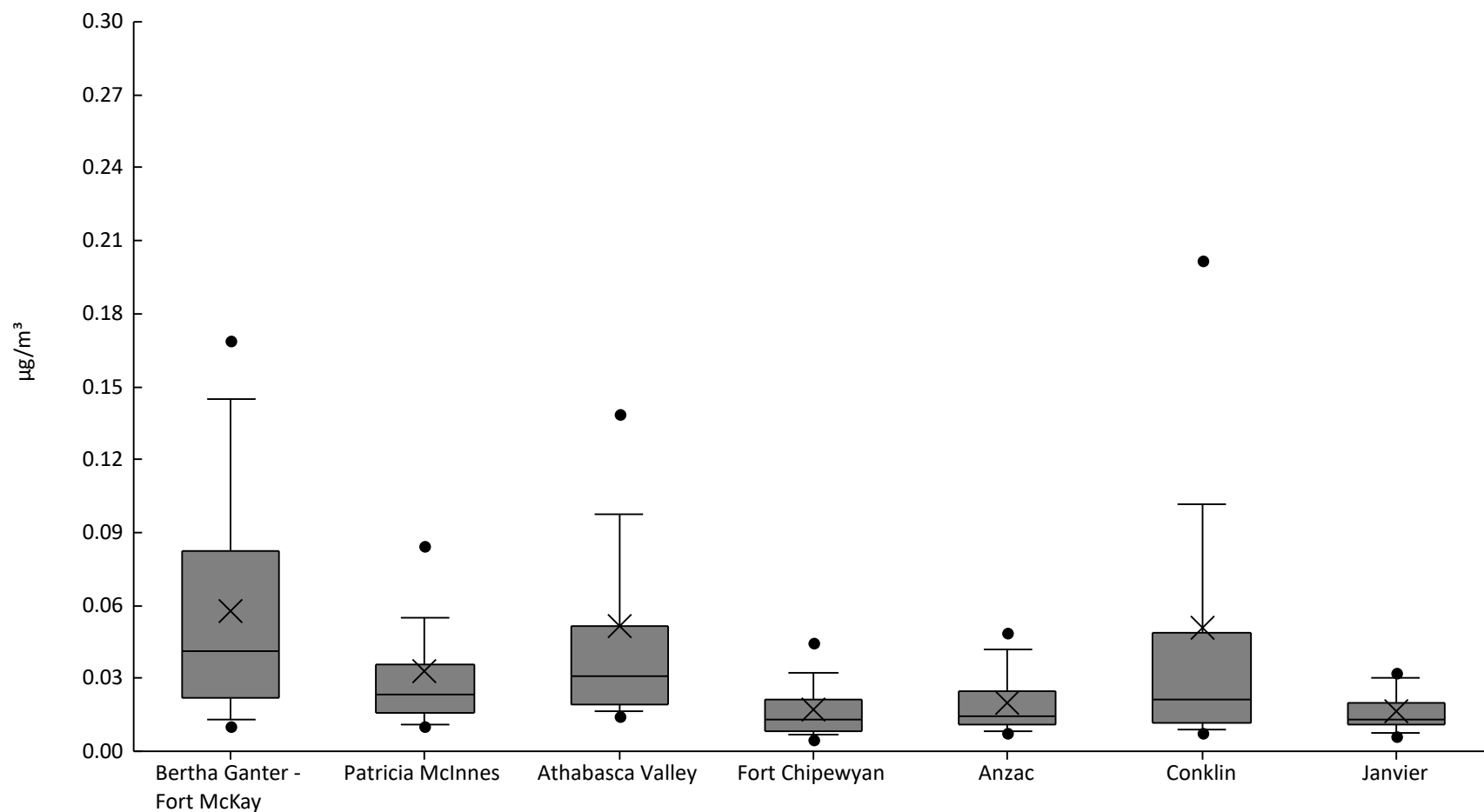
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	7.9E-5	1.8E-4	4E-4	8.8E-4	1.7E-3	3.7E-3	7.2E-3	8.1E-4	1.2E-3
AMS06	Patricia McInnes	61	93%	0	0	9E-5	2.5E-4	3.7E-4	6.1E-4	1.3E-3	1.9E-3	3E-3	5.6E-4	5.6E-4
AMS07	Athabasca Valley	59	95%	0	3.3E-5	1.6E-4	3.7E-4	6.4E-4	9.9E-4	2.2E-3	4.1E-3	0.12	2.8E-3	0.015
AMS08	Fort Chipewyan	43	74%	0	0	0	3.1E-5	1.8E-4	3E-4	8E-4	1.2E-3	4.8E-3	3.5E-4	7.8E-4
AMS14	Anzac	61	93%	0	1.2E-5	5.3E-5	8.4E-5	1.8E-4	3.2E-4	5.5E-4	7.1E-4	5.7E-3	3.3E-4	7.2E-4
AMS21	Conklin	61	95%	0	2.7E-5	6.8E-5	1.5E-4	3E-4	5.3E-4	8.2E-4	1.1E-3	1.5E-3	3.7E-4	3.2E-4
AMS22	Janvier	61	90%	0	0	4.6E-5	1.6E-4	3E-4	4.8E-4	1.1E-3	1.8E-3	6.1E-3	5E-4	8.5E-4





Particulate Matter <2.5µm Tested For Elements - Iron (µg/m³) - 2022

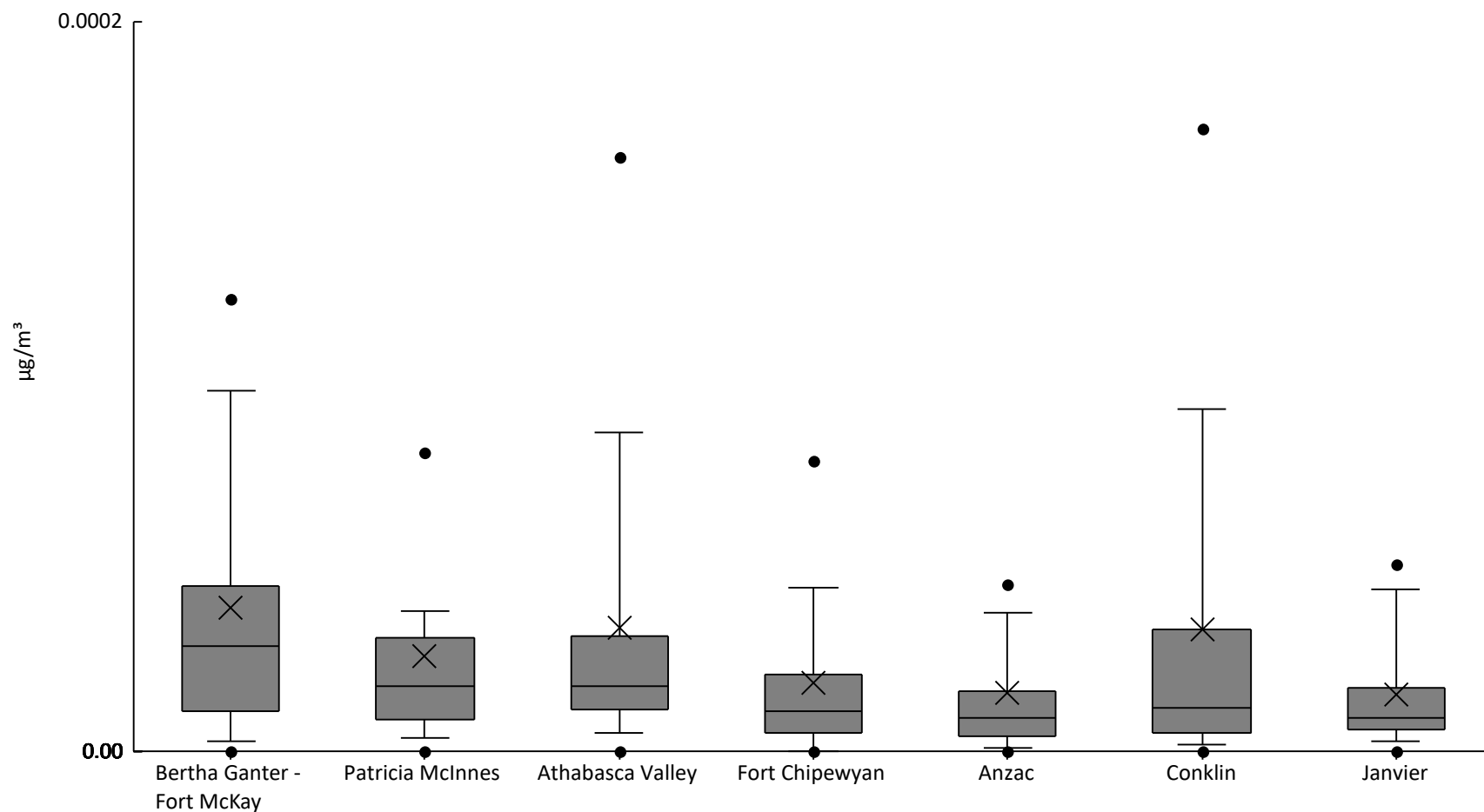
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	4.7E-3	0.01	0.013	0.022	0.041	0.082	0.14	0.17	0.21	0.058	0.051
AMS06	Patricia McInnes	61	100%	6.7E-3	0.01	0.011	0.016	0.024	0.035	0.055	0.084	0.28	0.033	0.039
AMS07	Athabasca Valley	59	100%	0.012	0.014	0.016	0.019	0.031	0.052	0.097	0.14	0.45	0.051	0.065
AMS08	Fort Chipewyan	43	100%	3.5E-3	5E-3	6.7E-3	8.1E-3	0.013	0.021	0.032	0.045	0.062	0.017	0.012
AMS14	Anzac	61	100%	5.6E-3	7.3E-3	8.1E-3	0.011	0.015	0.025	0.042	0.048	0.076	0.02	0.014
AMS21	Conklin	61	100%	5E-3	7.6E-3	8.6E-3	0.012	0.021	0.049	0.1	0.2	0.47	0.051	0.086
AMS22	Janvier	61	100%	5E-3	6.3E-3	7.6E-3	0.011	0.013	0.02	0.03	0.032	0.055	0.017	0.01





Particulate Matter <2.5µm Tested For Elements - Lanthanum (µg/m³) - 2022

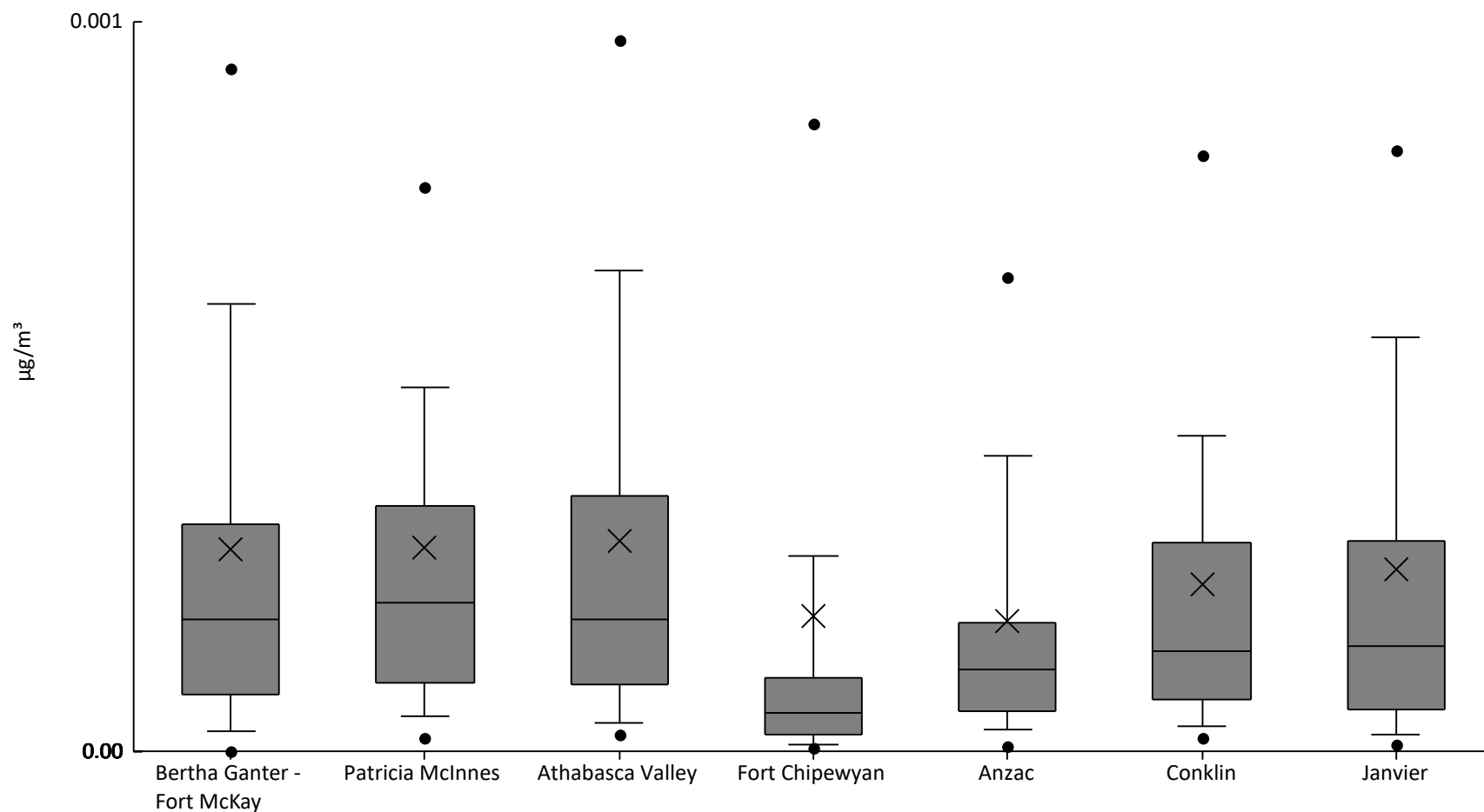
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	2.6E-6	1.1E-5	2.9E-5	4.6E-5	9.9E-5	1.2E-4	1.8E-4	3.9E-5	4E-5
AMS06	Patricia McInnes	61	90%	0	0	3.8E-6	8.8E-6	1.8E-5	3.1E-5	3.8E-5	8.2E-5	2E-4	2.6E-5	3.5E-5
AMS07	Athabasca Valley	59	92%	0	0	5E-6	1.1E-5	1.8E-5	3.2E-5	8.8E-5	1.6E-4	2.1E-4	3.4E-5	4.6E-5
AMS08	Fort Chipewyan	43	86%	0	0	0	5E-6	1.1E-5	2.1E-5	4.5E-5	8E-5	8.9E-5	1.9E-5	2.2E-5
AMS14	Anzac	61	84%	0	0	1E-6	4E-6	9E-6	1.6E-5	3.8E-5	4.6E-5	1.8E-4	1.6E-5	2.5E-5
AMS21	Conklin	61	80%	0	0	2E-6	5E-6	1.2E-5	3.3E-5	9.4E-5	1.7E-4	2.6E-4	3.3E-5	5.5E-5
AMS22	Janvier	61	87%	0	0	2.6E-6	6E-6	9E-6	1.8E-5	4.4E-5	5.1E-5	7.8E-5	1.5E-5	1.7E-5





Particulate Matter <2.5µm Tested For Elements - Lead (µg/m³) - 2022

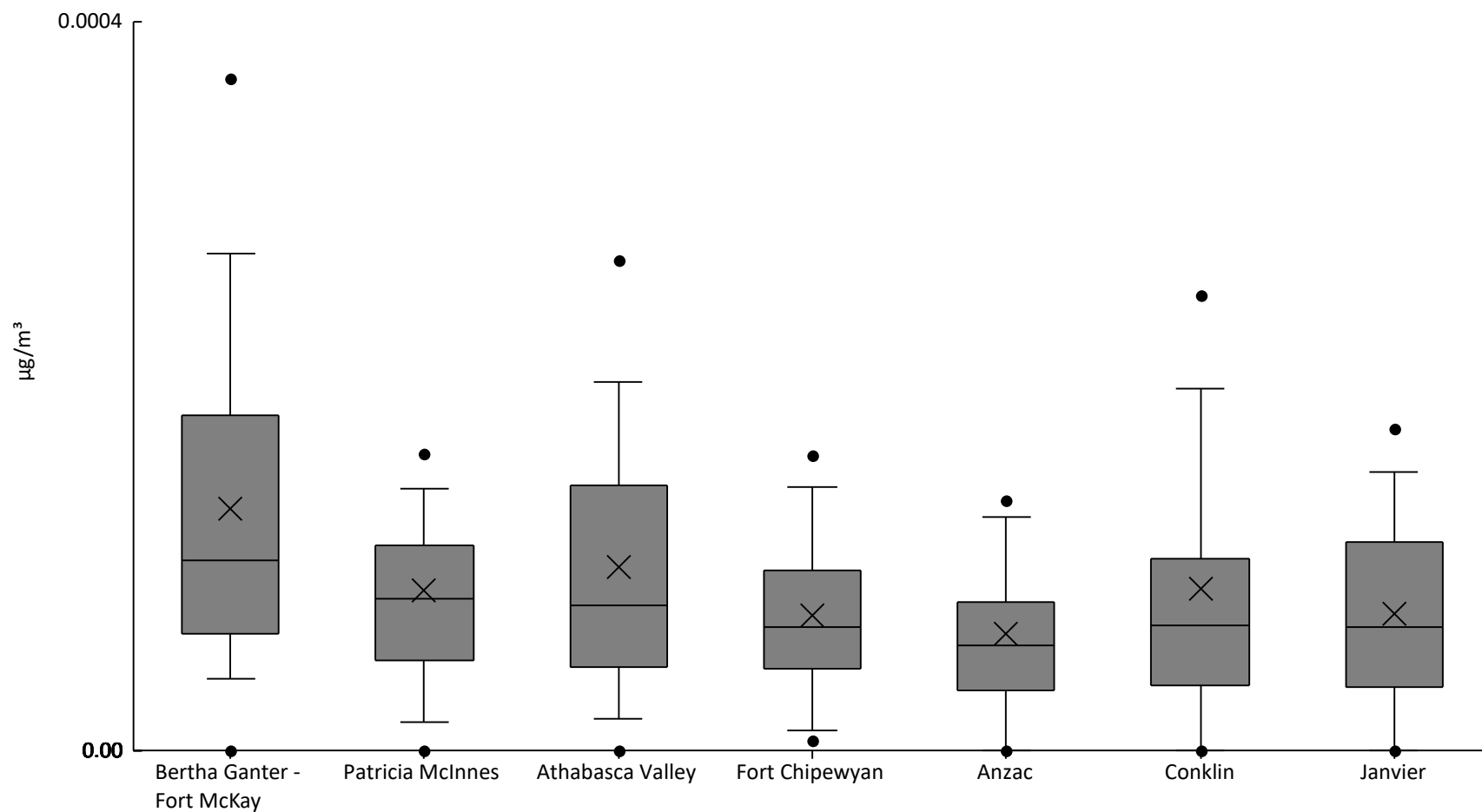
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	2.7E-5	7.7E-5	1.8E-4	3.1E-4	6.1E-4	9.4E-4	1.9E-3	2.8E-4	3.6E-4
AMS06	Patricia McInnes	61	97%	0	1.9E-5	4.7E-5	9.4E-5	2E-4	3.4E-4	5E-4	7.7E-4	2E-3	2.8E-4	3.3E-4
AMS07	Athabasca Valley	59	95%	0	2.2E-5	3.8E-5	9.2E-5	1.8E-4	3.5E-4	6.6E-4	9.8E-4	1.6E-3	2.9E-4	3.2E-4
AMS08	Fort Chipewyan	43	88%	0	3.9E-6	1E-5	2.4E-5	5.3E-5	1E-4	2.7E-4	8.6E-4	3E-3	1.9E-4	5.2E-4
AMS14	Anzac	61	93%	0	7.2E-6	3E-5	5.6E-5	1.1E-4	1.8E-4	4.1E-4	6.5E-4	1.5E-3	1.8E-4	2.3E-4
AMS21	Conklin	61	97%	0	1.9E-5	3.3E-5	7.1E-5	1.4E-4	2.9E-4	4.3E-4	8.2E-4	2.2E-3	2.3E-4	3.2E-4
AMS22	Janvier	61	95%	0	9.9E-6	2.4E-5	5.7E-5	1.4E-4	2.9E-4	5.7E-4	8.2E-4	2.2E-3	2.5E-4	3.4E-4





Particulate Matter <2.5µm Tested For Elements - Lithium (µg/m³) - 2022

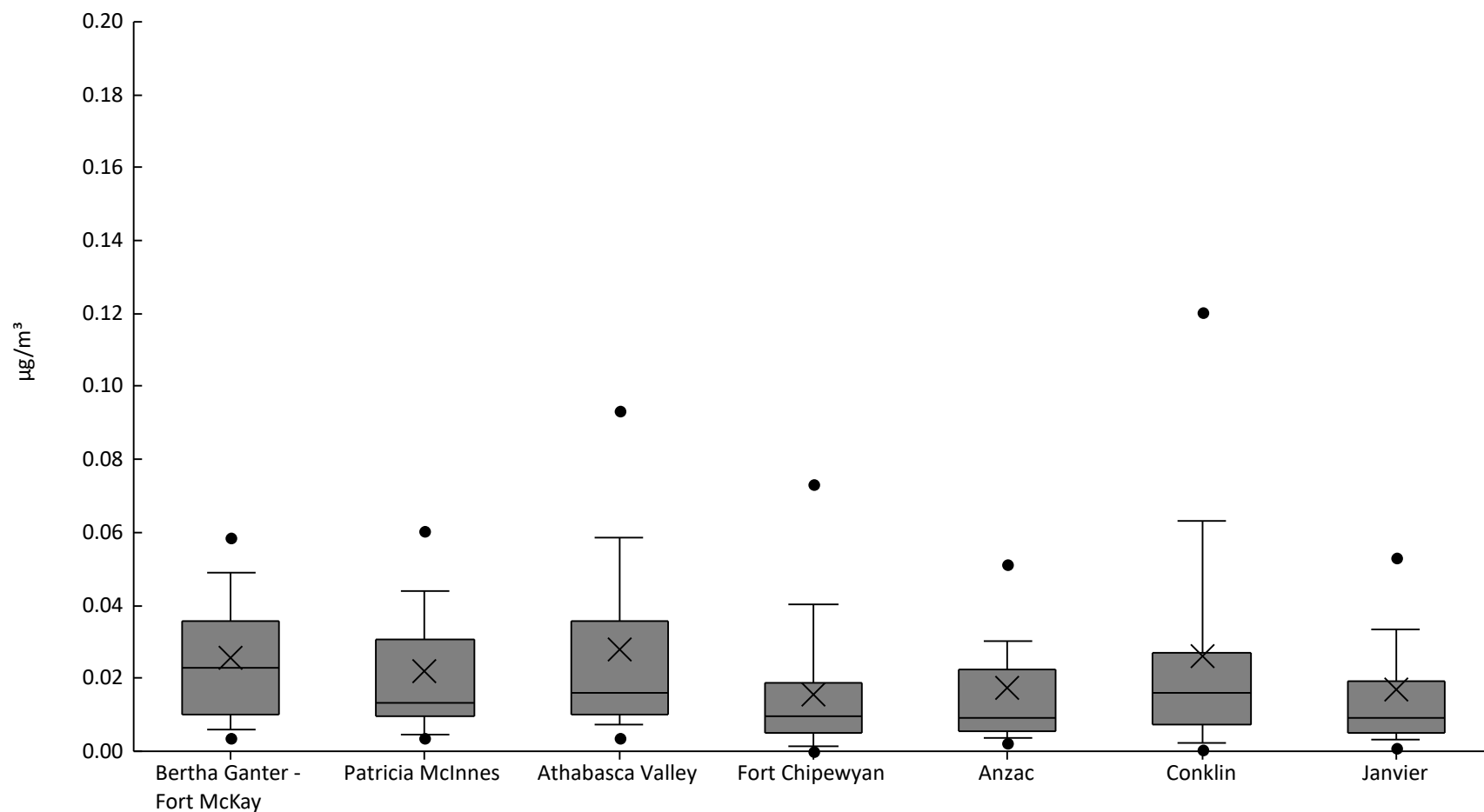
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	4E-5	6.5E-5	1E-4	1.8E-4	2.7E-4	3.7E-4	5.3E-4	1.3E-4	1.1E-4
AMS06	Patricia McInnes	61	90%	0	0	1.6E-5	4.9E-5	8.3E-5	1.1E-4	1.4E-4	1.6E-4	5.2E-4	8.7E-5	7.6E-5
AMS07	Athabasca Valley	59	90%	0	0	1.8E-5	4.6E-5	8E-5	1.5E-4	2E-4	2.7E-4	4E-4	1E-4	8.2E-5
AMS08	Fort Chipewyan	43	88%	0	5.2E-6	1.1E-5	4.5E-5	6.8E-5	9.9E-5	1.4E-4	1.6E-4	2.3E-4	7.4E-5	4.9E-5
AMS14	Anzac	61	87%	0	0	0	3.3E-5	5.8E-5	8.2E-5	1.3E-4	1.4E-4	1.9E-4	6.4E-5	4.3E-5
AMS21	Conklin	61	89%	0	0	0	3.6E-5	6.9E-5	1.1E-4	2E-4	2.5E-4	4.8E-4	8.8E-5	9E-5
AMS22	Janvier	61	87%	0	0	0	3.5E-5	6.8E-5	1.1E-4	1.5E-4	1.8E-4	1.9E-4	7.5E-5	5.3E-5





Particulate Matter <2.5µm Tested For Elements - Magnesium (µg/m³) - 2022

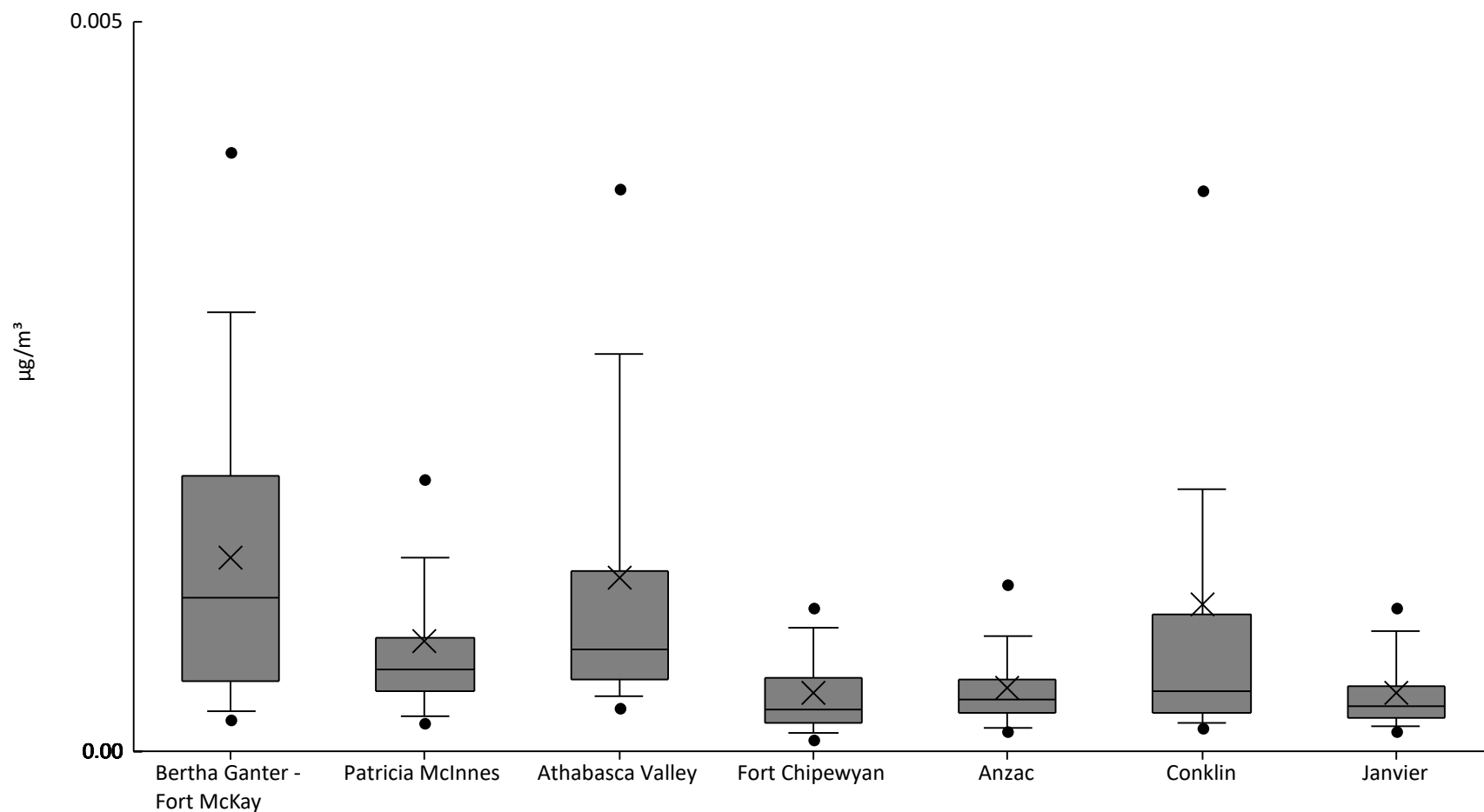
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.7E-3	3.7E-3	5.7E-3	0.01	0.023	0.036	0.049	0.058	0.11	0.026	0.02
AMS06	Patricia McInnes	61	100%	8.9E-4	3.7E-3	4.5E-3	9.4E-3	0.013	0.031	0.044	0.06	0.13	0.022	0.022
AMS07	Athabasca Valley	59	98%	0	3.6E-3	7.5E-3	9.9E-3	0.016	0.036	0.059	0.094	0.14	0.028	0.029
AMS08	Fort Chipewyan	43	93%	0	0	1.2E-3	5.2E-3	9.4E-3	0.019	0.04	0.073	0.078	0.016	0.019
AMS14	Anzac	61	97%	0	2.1E-3	3.4E-3	5.3E-3	9E-3	0.022	0.03	0.051	0.16	0.017	0.026
AMS21	Conklin	61	97%	0	6.7E-4	2.5E-3	7.2E-3	0.016	0.027	0.063	0.12	0.15	0.026	0.033
AMS22	Janvier	61	95%	0	7.7E-4	3.3E-3	5.1E-3	9E-3	0.019	0.034	0.053	0.15	0.017	0.025





Particulate Matter <2.5µm Tested For Elements - Manganese (µg/m³) - 2022

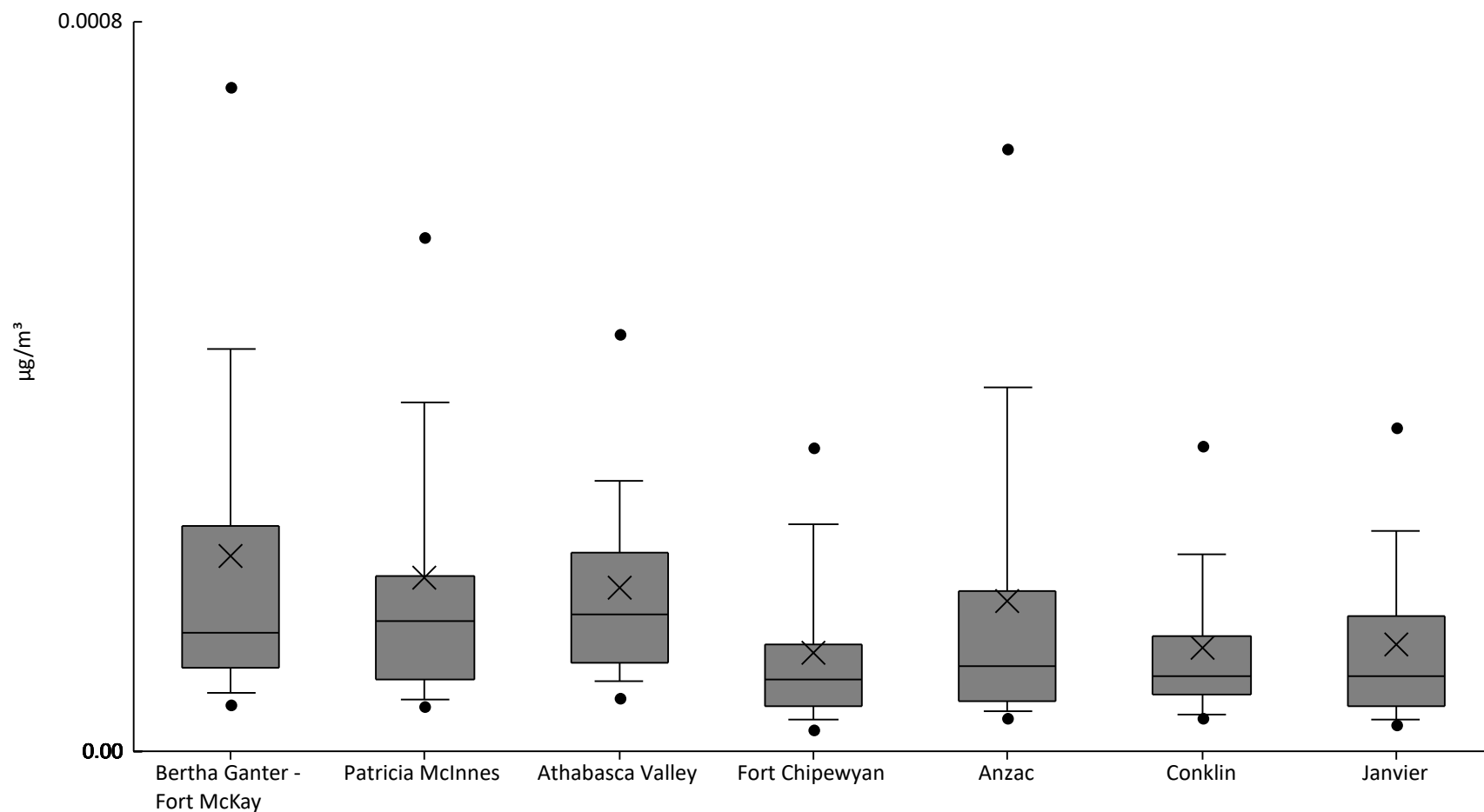
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.4E-4	2.2E-4	2.7E-4	4.8E-4	1.1E-3	1.9E-3	3E-3	4.1E-3	4.6E-3	1.3E-3	1.1E-3
AMS06	Patricia McInnes	61	100%	1.3E-4	1.9E-4	2.4E-4	4.1E-4	5.7E-4	7.8E-4	1.3E-3	1.9E-3	5.2E-3	7.6E-4	7.9E-4
AMS07	Athabasca Valley	59	100%	2.3E-4	3E-4	3.8E-4	5E-4	7E-4	1.2E-3	2.7E-3	3.9E-3	7.6E-3	1.2E-3	1.3E-3
AMS08	Fort Chipewyan	43	100%	3.5E-5	7.9E-5	1.2E-4	1.9E-4	2.9E-4	5E-4	8.5E-4	9.8E-4	1.6E-3	4E-4	3.2E-4
AMS14	Anzac	61	100%	8.1E-5	1.4E-4	1.7E-4	2.6E-4	3.6E-4	4.9E-4	7.8E-4	1.1E-3	1.5E-3	4.3E-4	2.9E-4
AMS21	Conklin	61	100%	6.6E-5	1.6E-4	2E-4	2.7E-4	4.1E-4	9.4E-4	1.8E-3	3.8E-3	0.01	1E-3	1.8E-3
AMS22	Janvier	61	100%	1.1E-4	1.4E-4	1.7E-4	2.3E-4	3.1E-4	4.5E-4	8.2E-4	9.9E-4	1.5E-3	4E-4	2.7E-4





Particulate Matter <2.5µm Tested For Elements - Molybdenum (µg/m³) - 2022

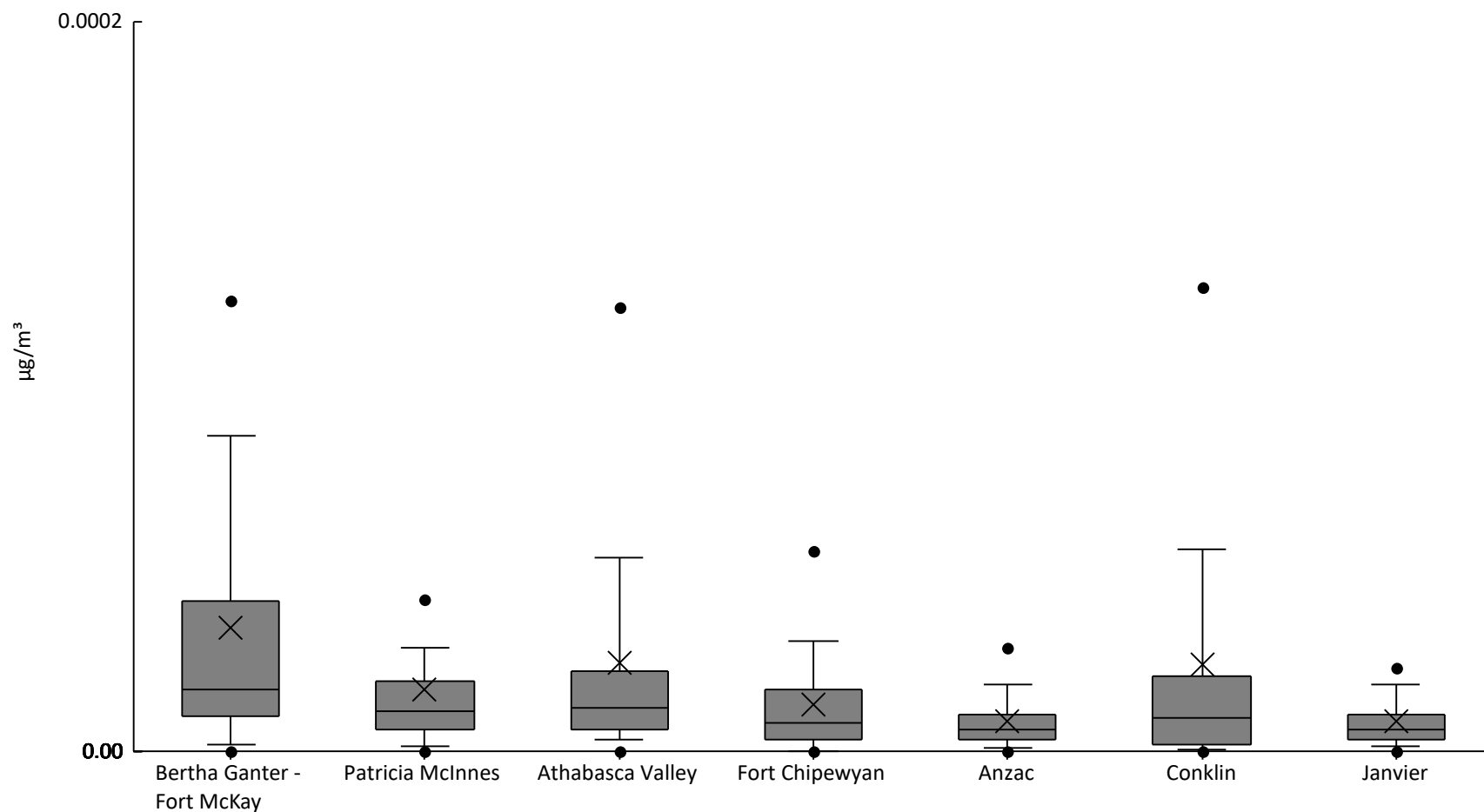
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3.3E-5	5.2E-5	6.3E-5	9.2E-5	1.3E-4	2.5E-4	4.4E-4	7.3E-4	1.1E-3	2.1E-4	2.2E-4
AMS06	Patricia McInnes	61	100%	3.8E-5	5E-5	5.7E-5	7.8E-5	1.4E-4	1.9E-4	3.8E-4	5.6E-4	1.1E-3	1.9E-4	1.8E-4
AMS07	Athabasca Valley	59	100%	4.9E-5	5.9E-5	7.8E-5	9.6E-5	1.5E-4	2.2E-4	3E-4	4.6E-4	6.5E-4	1.8E-4	1.2E-4
AMS08	Fort Chipewyan	43	95%	1.9E-5	2.5E-5	3.4E-5	5E-5	7.9E-5	1.2E-4	2.5E-4	3.3E-4	4.6E-4	1.1E-4	9.6E-5
AMS14	Anzac	61	100%	2.9E-5	3.7E-5	4.5E-5	5.5E-5	9.3E-5	1.8E-4	4E-4	6.6E-4	1E-3	1.7E-4	2E-4
AMS21	Conklin	61	97%	2E-5	3.7E-5	4E-5	6.2E-5	8.3E-5	1.3E-4	2.2E-4	3.3E-4	4.6E-4	1.1E-4	9.1E-5
AMS22	Janvier	61	97%	8E-6	2.9E-5	3.5E-5	4.9E-5	8.3E-5	1.5E-4	2.4E-4	3.6E-4	5.3E-4	1.2E-4	1E-4





Particulate Matter <2.5µm Tested For Elements - Neodymium (µg/m³) - 2022

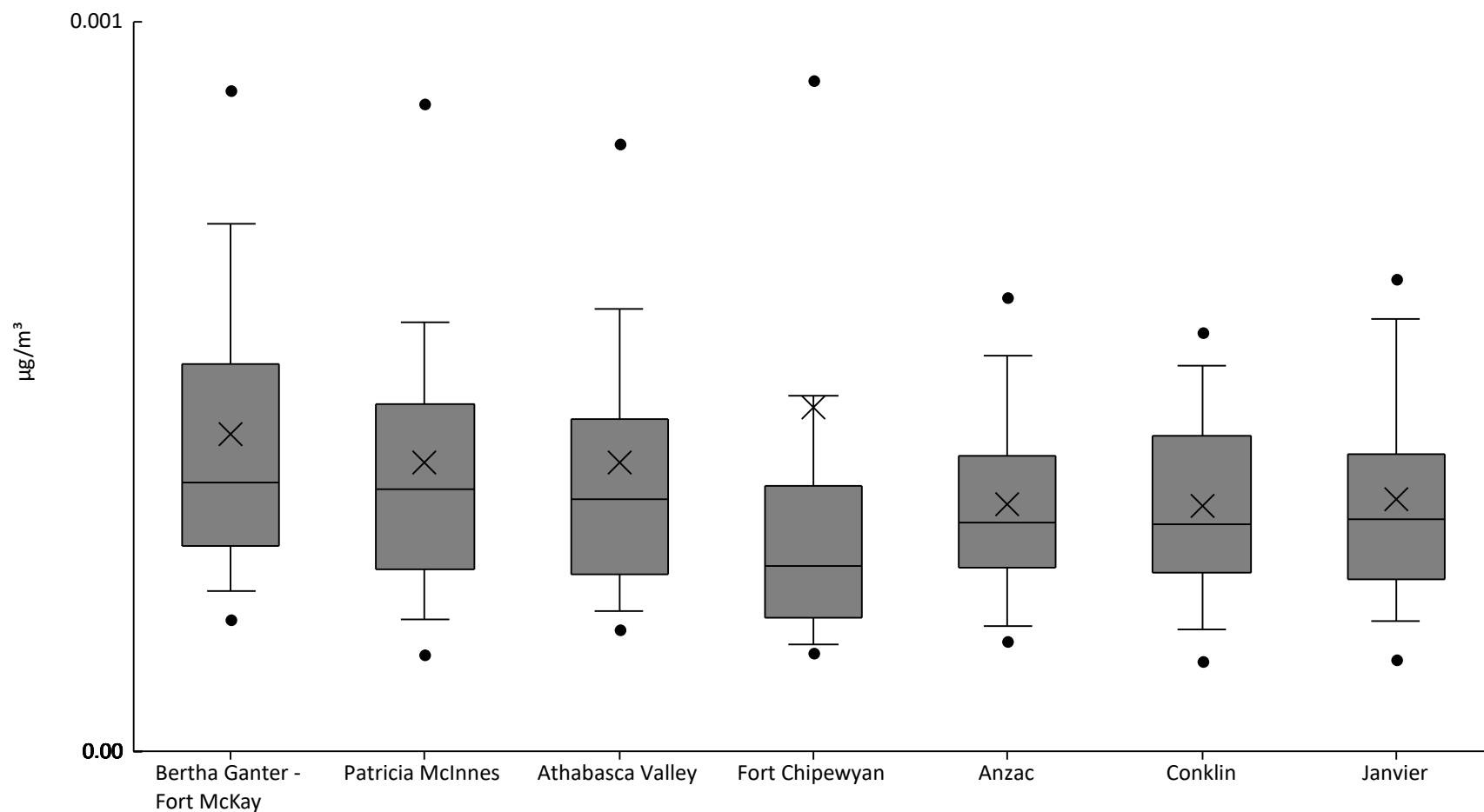
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	82%	0	0	2E-6	9.8E-6	1.7E-5	4.1E-5	8.6E-5	1.2E-4	1.6E-4	3.4E-5	3.8E-5
AMS06	Patricia McInnes	61	82%	0	0	1.6E-6	6E-6	1.1E-5	1.9E-5	2.8E-5	4.1E-5	2E-4	1.7E-5	2.8E-5
AMS07	Athabasca Valley	59	81%	0	0	3E-6	6E-6	1.2E-5	2.2E-5	5.3E-5	1.2E-4	1.8E-4	2.4E-5	3.8E-5
AMS08	Fort Chipewyan	43	67%	0	0	0	3E-6	8E-6	1.7E-5	3E-5	5.5E-5	6.7E-5	1.3E-5	1.6E-5
AMS14	Anzac	61	56%	0	0	1E-6	3E-6	6E-6	1E-5	1.8E-5	2.8E-5	3.3E-5	8E-6	7.8E-6
AMS21	Conklin	61	66%	0	0	6E-7	2E-6	9E-6	2.1E-5	5.6E-5	1.3E-4	2.4E-4	2.4E-5	4.7E-5
AMS22	Janvier	61	62%	0	0	1.6E-6	3E-6	6E-6	1E-5	1.8E-5	2.3E-5	3.7E-5	8.2E-6	7.7E-6





Particulate Matter <2.5µm Tested For Elements - Nickel (µg/m³) - 2022

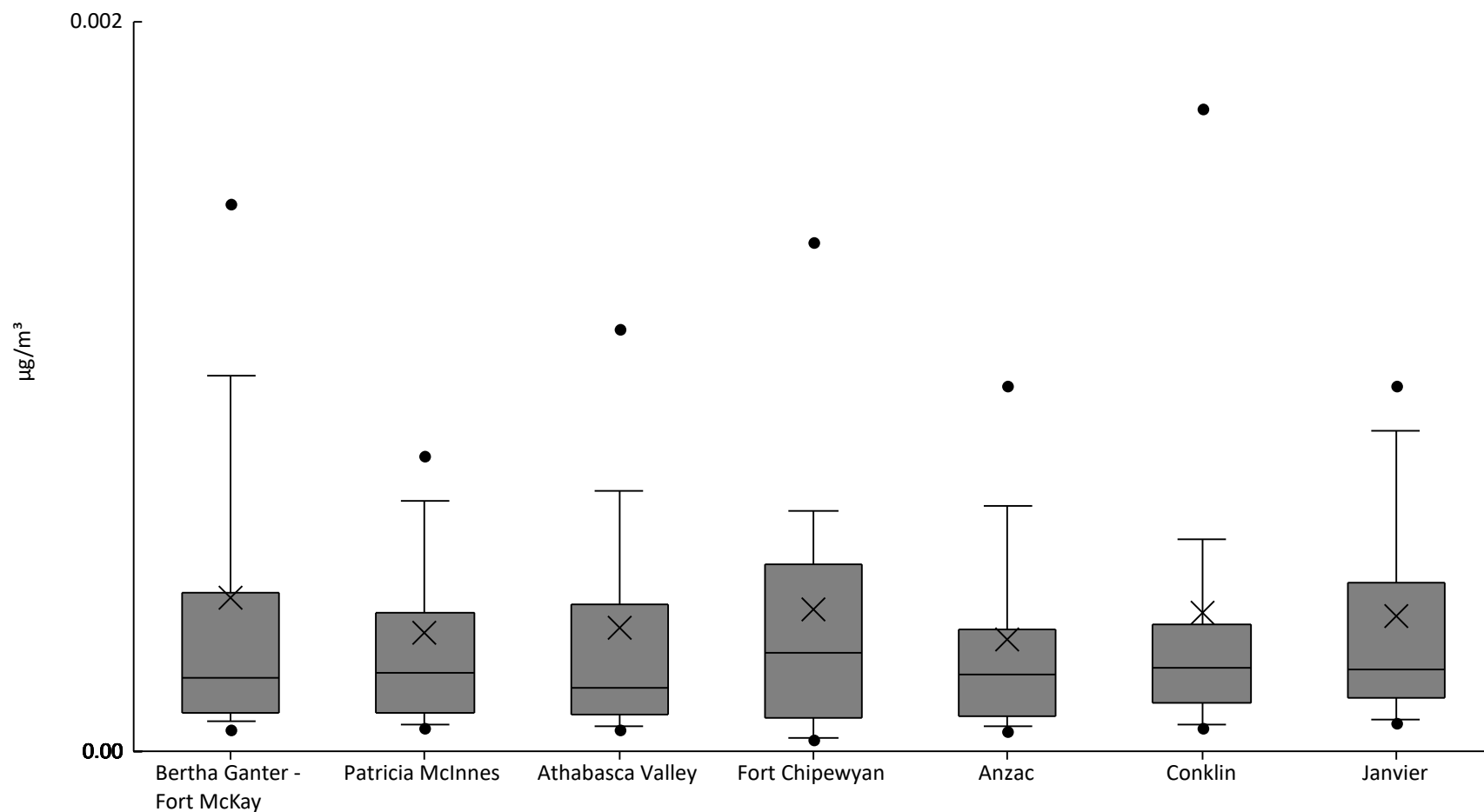
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	8.4E-5	1.8E-4	2.2E-4	2.8E-4	3.7E-4	5.3E-4	7.2E-4	9.1E-4	1.5E-3	4.4E-4	2.4E-4
AMS06	Patricia McInnes	61	100%	2.6E-5	1.3E-4	1.8E-4	2.5E-4	3.6E-4	4.8E-4	5.9E-4	8.9E-4	1.2E-3	4E-4	2.3E-4
AMS07	Athabasca Valley	59	100%	6.4E-5	1.7E-4	1.9E-4	2.4E-4	3.5E-4	4.6E-4	6.1E-4	8.3E-4	1.6E-3	4E-4	2.4E-4
AMS08	Fort Chipewyan	43	100%	1.2E-4	1.3E-4	1.5E-4	1.8E-4	2.5E-4	3.6E-4	4.9E-4	9.2E-4	7.9E-3	4.7E-4	1.2E-3
AMS14	Anzac	61	100%	1.1E-4	1.5E-4	1.7E-4	2.5E-4	3.1E-4	4.1E-4	5.4E-4	6.2E-4	8.1E-4	3.4E-4	1.4E-4
AMS21	Conklin	61	100%	8.7E-5	1.2E-4	1.7E-4	2.5E-4	3.1E-4	4.3E-4	5.3E-4	5.7E-4	9.1E-4	3.4E-4	1.5E-4
AMS22	Janvier	61	100%	5.5E-5	1.3E-4	1.8E-4	2.4E-4	3.2E-4	4.1E-4	5.9E-4	6.5E-4	8.5E-4	3.5E-4	1.6E-4





Particulate Matter <2.5µm Tested For Elements - Niobium (µg/m³) - 2022

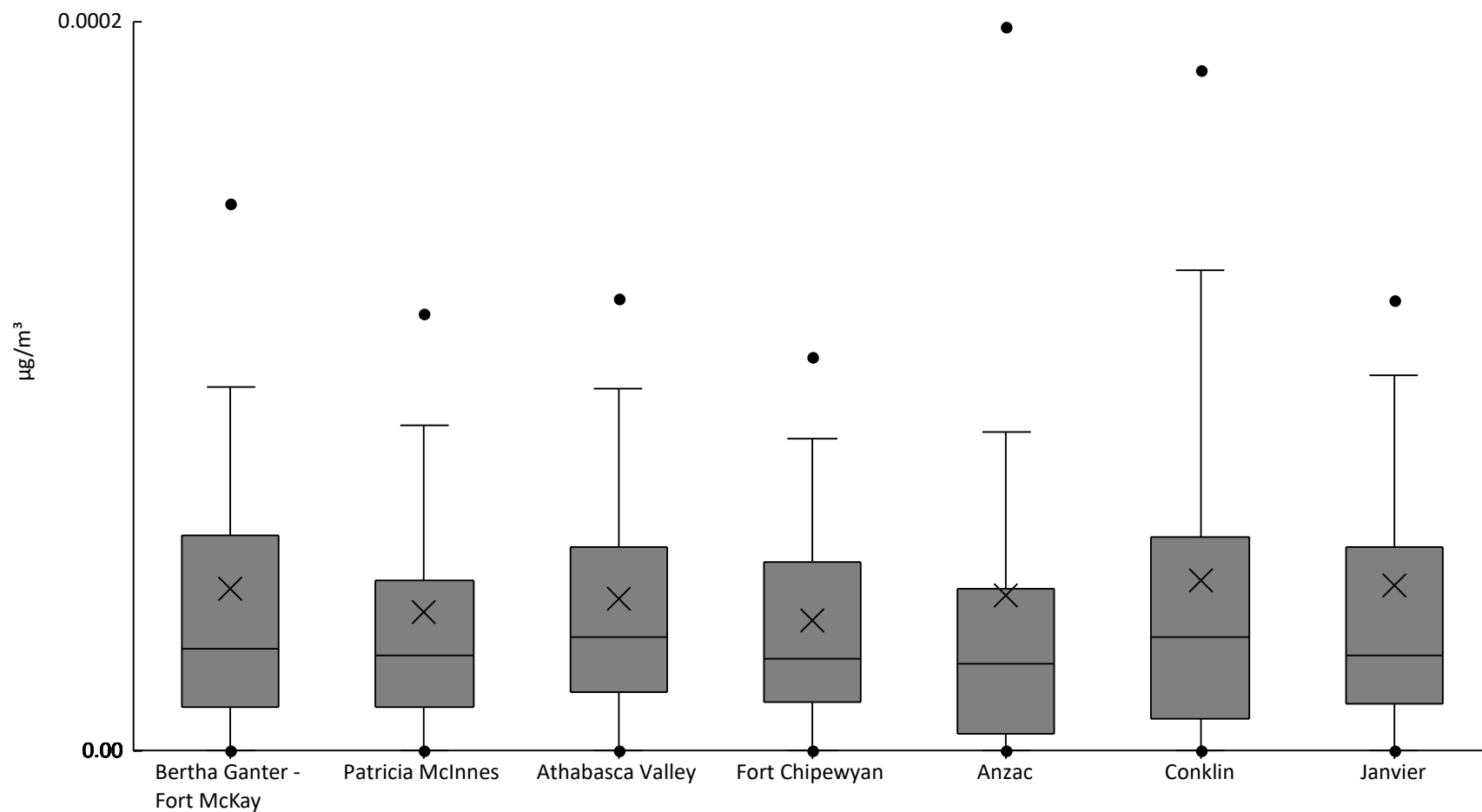
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3.1E-5	5.9E-5	8.2E-5	1.1E-4	2E-4	4.3E-4	1E-3	1.5E-3	4E-3	4.2E-4	6.2E-4
AMS06	Patricia McInnes	61	100%	3.9E-5	6.4E-5	7.2E-5	1.1E-4	2.2E-4	3.8E-4	6.9E-4	8.1E-4	3E-3	3.3E-4	4.1E-4
AMS07	Athabasca Valley	59	100%	4.5E-5	6.2E-5	7.1E-5	1E-4	1.7E-4	4E-4	7.1E-4	1.2E-3	2.6E-3	3.4E-4	4.5E-4
AMS08	Fort Chipewyan	43	100%	2.9E-5	3.4E-5	3.7E-5	9.1E-5	2.7E-4	5.1E-4	6.6E-4	1.4E-3	2.4E-3	3.9E-4	4.5E-4
AMS14	Anzac	61	100%	2.7E-5	5.4E-5	6.6E-5	9.8E-5	2.1E-4	3.3E-4	6.7E-4	1E-3	1.9E-3	3.1E-4	3.4E-4
AMS21	Conklin	61	100%	5.9E-5	6.3E-5	7.5E-5	1.3E-4	2.3E-4	3.5E-4	5.8E-4	1.8E-3	4E-3	3.8E-4	6.2E-4
AMS22	Janvier	61	100%	5.7E-5	7.6E-5	8.6E-5	1.4E-4	2.2E-4	4.6E-4	8.8E-4	1E-3	2.1E-3	3.7E-4	3.7E-4





Particulate Matter <2.5µm Tested For Elements - Palladium (µg/m³) - 2022

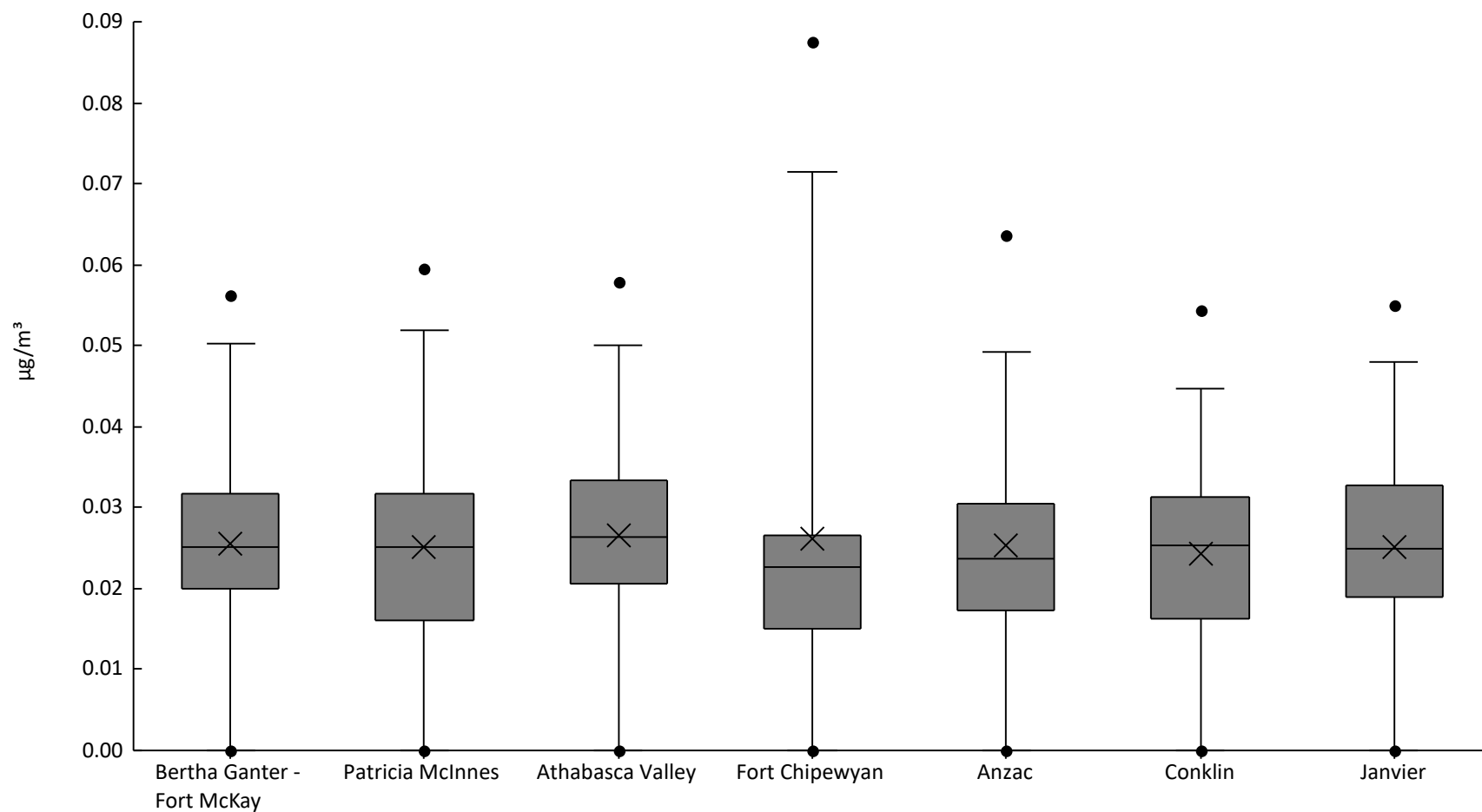
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	30%	0	0	0	1.2E-5	2.8E-5	5.9E-5	1E-4	1.5E-4	3.6E-4	4.5E-5	5.8E-5
AMS06	Patricia McInnes	61	23%	0	0	0	1.2E-5	2.6E-5	4.7E-5	8.9E-5	1.2E-4	2.3E-4	3.8E-5	4.4E-5
AMS07	Athabasca Valley	59	29%	0	0	0	1.6E-5	3.1E-5	5.6E-5	9.9E-5	1.2E-4	2.9E-4	4.2E-5	4.6E-5
AMS08	Fort Chipewyan	43	26%	0	0	0	1.3E-5	2.5E-5	5.2E-5	8.6E-5	1.1E-4	1.4E-4	3.6E-5	3.4E-5
AMS14	Anzac	61	23%	0	0	0	4.5E-6	2.4E-5	4.4E-5	8.8E-5	2E-4	4.1E-4	4.3E-5	7.4E-5
AMS21	Conklin	61	33%	0	0	0	8.8E-6	3.1E-5	5.9E-5	1.3E-4	1.9E-4	2.7E-4	4.7E-5	5.7E-5
AMS22	Janvier	61	28%	0	0	0	1.3E-5	2.6E-5	5.6E-5	1E-4	1.2E-4	4E-4	4.5E-5	6.1E-5





Particulate Matter <2.5µm Tested For Elements - Phosphorus (µg/m³) - 2022

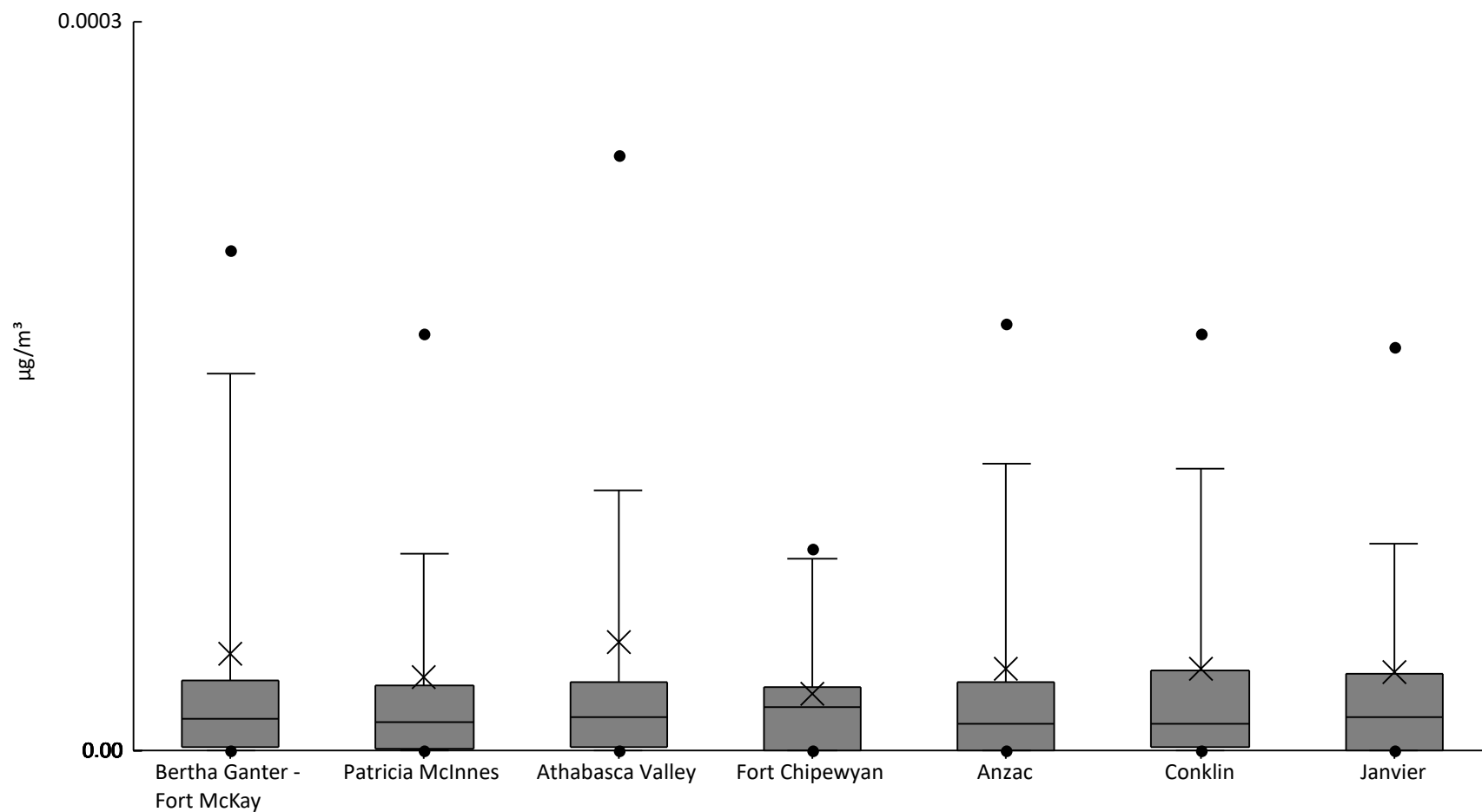
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	84%	0	0	0	0.02	0.025	0.032	0.05	0.056	0.058	0.026	0.016
AMS06	Patricia McInnes	61	84%	0	0	0	0.016	0.025	0.032	0.052	0.059	0.06	0.025	0.017
AMS07	Athabasca Valley	59	83%	0	0	0	0.021	0.026	0.033	0.05	0.058	0.061	0.027	0.016
AMS08	Fort Chipewyan	43	77%	0	0	0	0.015	0.023	0.027	0.071	0.088	0.093	0.026	0.025
AMS14	Anzac	61	84%	0	0	0	0.017	0.024	0.031	0.049	0.064	0.067	0.025	0.017
AMS21	Conklin	61	82%	0	0	0	0.016	0.025	0.031	0.045	0.054	0.073	0.024	0.016
AMS22	Janvier	61	84%	0	0	0	0.019	0.025	0.033	0.048	0.055	0.067	0.025	0.016





Particulate Matter <2.5µm Tested For Elements - Platinum (µg/m³) - 2022

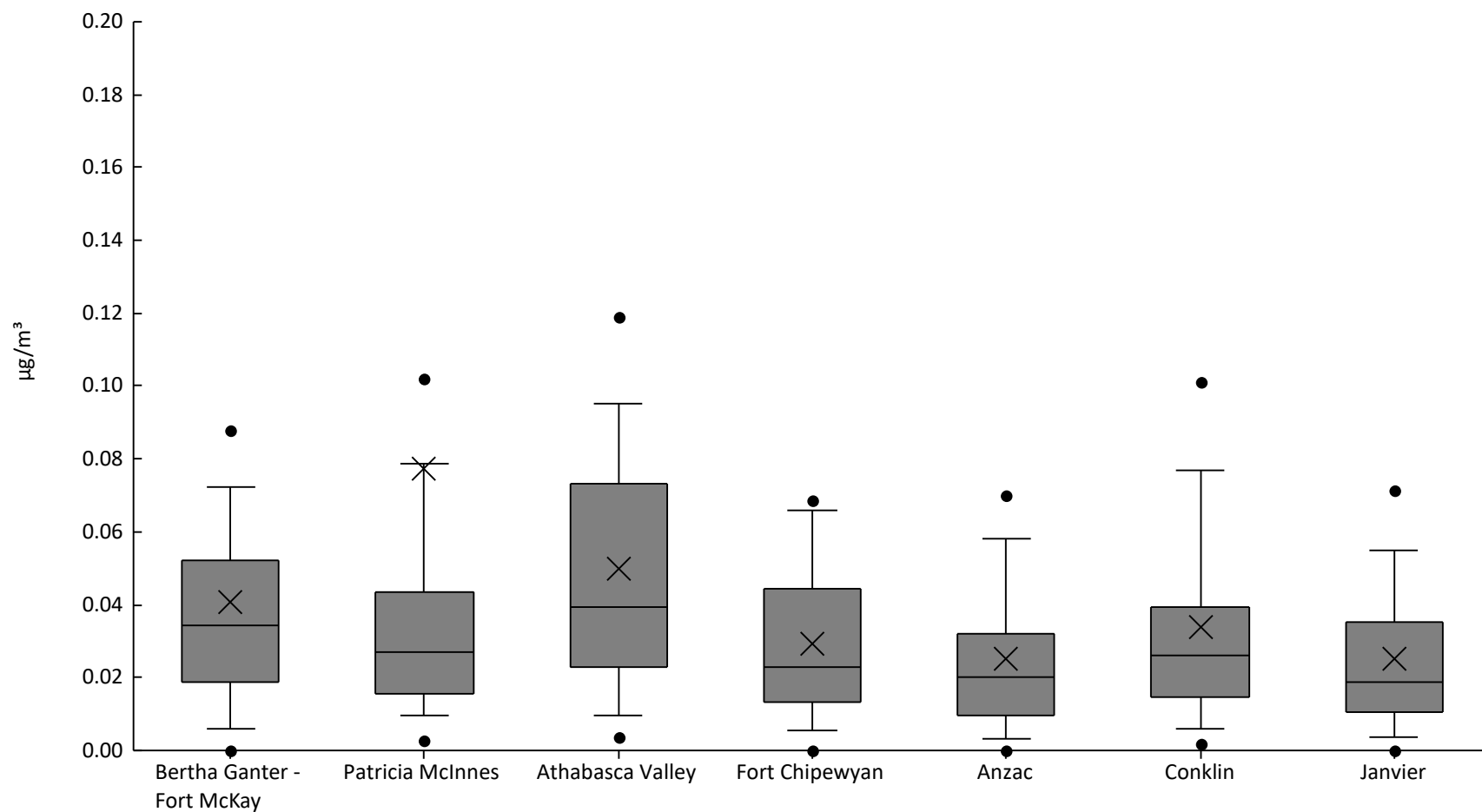
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	70%	0	0	0	1.5E-6	1.3E-5	2.9E-5	1.6E-4	2.1E-4	3.8E-4	4E-5	7.1E-5
AMS06	Patricia McInnes	61	70%	0	0	0	7.5E-7	1.2E-5	2.7E-5	8.1E-5	1.7E-4	2.7E-4	3E-5	5.3E-5
AMS07	Athabasca Valley	59	71%	0	0	0	1.3E-6	1.4E-5	2.8E-5	1.1E-4	2.5E-4	5.4E-4	4.4E-5	1E-4
AMS08	Fort Chipewyan	43	72%	0	0	0	0	1.8E-5	2.6E-5	7.9E-5	8.3E-5	8.9E-5	2.3E-5	2.7E-5
AMS14	Anzac	61	72%	0	0	0	0	1.1E-5	2.8E-5	1.2E-4	1.8E-4	2.5E-4	3.4E-5	5.6E-5
AMS21	Conklin	61	69%	0	0	0	1.5E-6	1.1E-5	3.3E-5	1.2E-4	1.7E-4	2.2E-4	3.4E-5	5.4E-5
AMS22	Janvier	61	70%	0	0	0	0	1.4E-5	3.1E-5	8.5E-5	1.7E-4	2.1E-4	3.3E-5	5E-5





Particulate Matter <2.5µm Tested For Elements - Potassium (µg/m³) - 2022

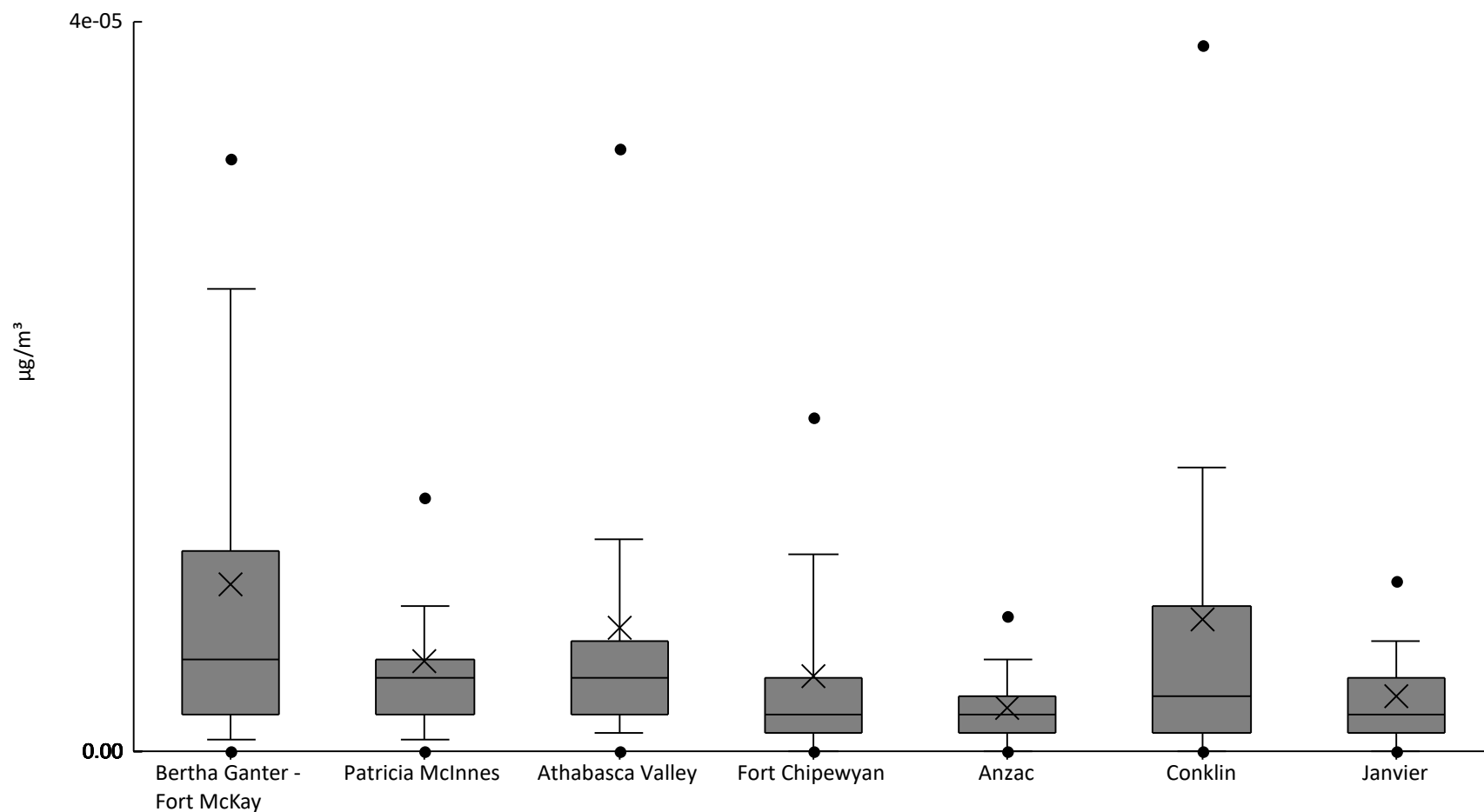
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	1.4E-4	5.8E-3	0.019	0.034	0.052	0.072	0.088	0.22	0.041	0.036
AMS06	Patricia McInnes	61	95%	0	2.7E-3	9.7E-3	0.016	0.027	0.044	0.079	0.1	2.6	0.077	0.33
AMS07	Athabasca Valley	59	97%	0	3.5E-3	9.8E-3	0.023	0.039	0.073	0.095	0.12	0.15	0.05	0.036
AMS08	Fort Chipewyan	43	93%	0	0	5.7E-3	0.013	0.023	0.044	0.066	0.069	0.082	0.029	0.021
AMS14	Anzac	61	92%	0	0	3.4E-3	9.5E-3	0.02	0.032	0.058	0.07	0.1	0.025	0.022
AMS21	Conklin	61	95%	0	2E-3	5.8E-3	0.015	0.026	0.04	0.077	0.1	0.14	0.034	0.031
AMS22	Janvier	61	92%	0	0	3.6E-3	0.01	0.019	0.035	0.055	0.071	0.092	0.025	0.021





Particulate Matter <2.5µm Tested For Elements - Praseodymium (µg/m³) - 2022

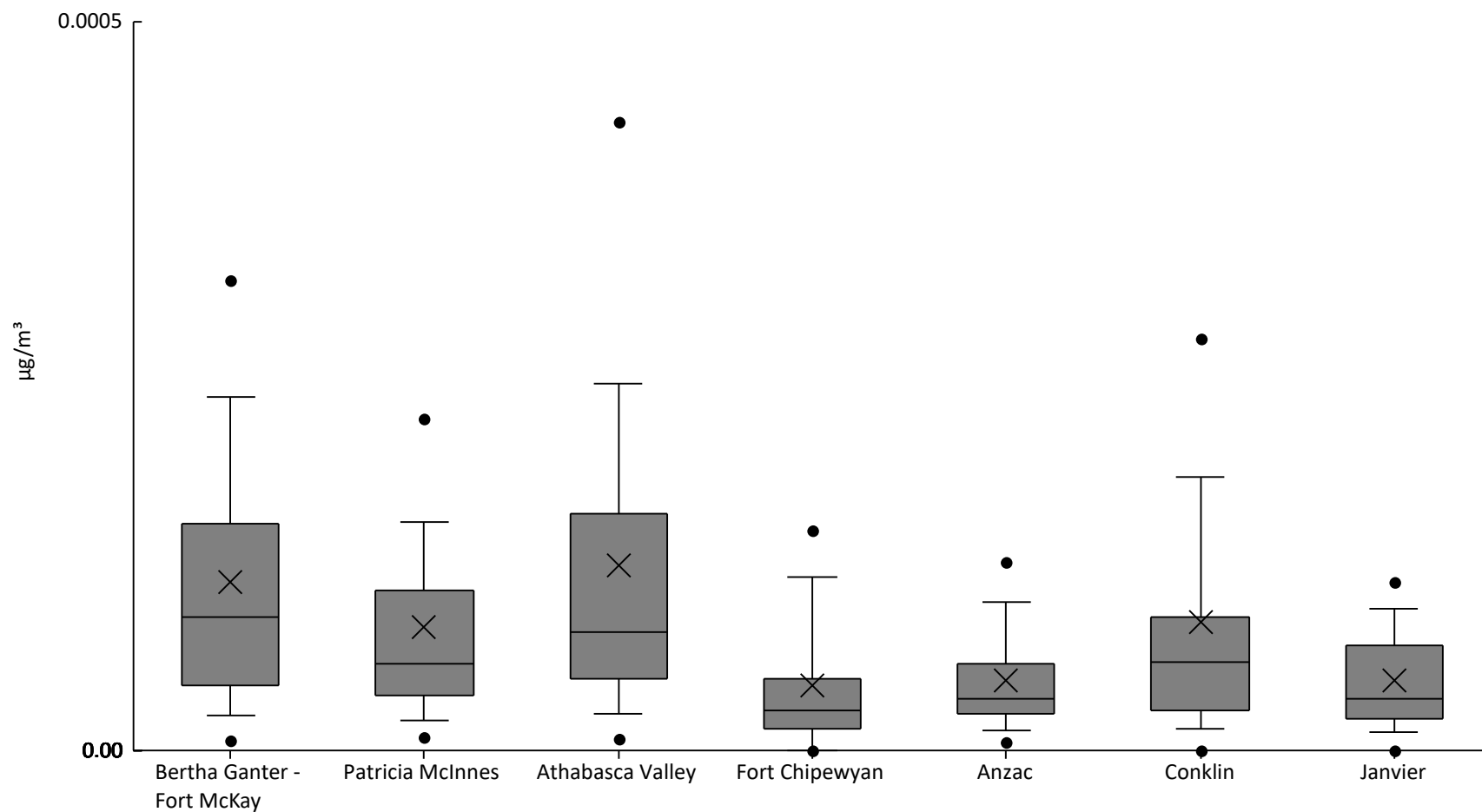
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	84%	0	0	6E-7	2E-6	5E-6	1.1E-5	2.5E-5	3.2E-5	4.3E-5	9.1E-6	1E-5
AMS06	Patricia McInnes	61	82%	0	0	6E-7	2E-6	4E-6	5E-6	8E-6	1.4E-5	5.1E-5	5E-6	7.3E-6
AMS07	Athabasca Valley	59	78%	0	0	1E-6	2E-6	4E-6	6E-6	1.2E-5	3.3E-5	4.7E-5	6.7E-6	1E-5
AMS08	Fort Chipewyan	43	58%	0	0	0	1E-6	2E-6	4E-6	1.1E-5	1.8E-5	2.6E-5	4.1E-6	5.6E-6
AMS14	Anzac	61	56%	0	0	0	1E-6	2E-6	3E-6	5E-6	7.5E-6	2.2E-5	2.4E-6	3.2E-6
AMS21	Conklin	61	69%	0	0	0	1E-6	3E-6	8E-6	1.6E-5	3.9E-5	6.5E-5	7.2E-6	1.3E-5
AMS22	Janvier	61	62%	0	0	0	1E-6	2E-6	4E-6	6E-6	9.3E-6	2.5E-5	3E-6	4.2E-6





Particulate Matter <2.5µm Tested For Elements - Rubidium (µg/m³) - 2022

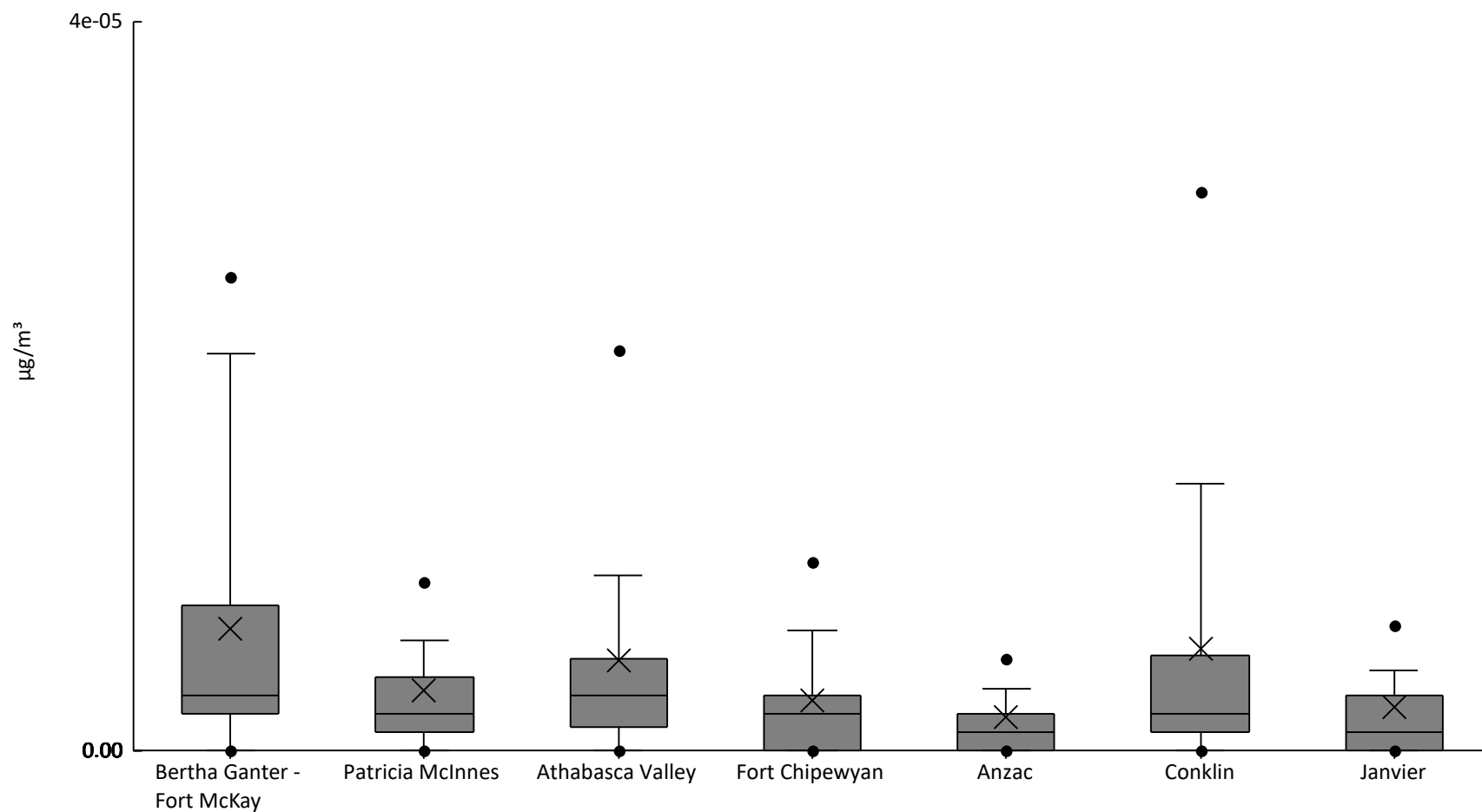
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	95%	0	7.2E-6	2.4E-5	4.5E-5	9.1E-5	1.6E-4	2.4E-4	3.2E-4	5.3E-4	1.2E-4	1E-4
AMS06	Patricia McInnes	61	95%	0	8.8E-6	2.1E-5	3.8E-5	6E-5	1.1E-4	1.6E-4	2.3E-4	5.9E-4	8.4E-5	8.8E-5
AMS07	Athabasca Valley	59	95%	0	8.6E-6	2.5E-5	4.9E-5	8.1E-5	1.6E-4	2.5E-4	4.3E-4	5.8E-4	1.3E-4	1.2E-4
AMS08	Fort Chipewyan	43	88%	0	0	0	1.5E-5	2.8E-5	4.9E-5	1.2E-4	1.5E-4	2.1E-4	4.5E-5	4.7E-5
AMS14	Anzac	61	95%	0	5.5E-6	1.4E-5	2.5E-5	3.5E-5	5.9E-5	1E-4	1.3E-4	2.3E-4	4.8E-5	4E-5
AMS21	Conklin	61	93%	0	0	1.4E-5	2.7E-5	6.1E-5	9.1E-5	1.9E-4	2.8E-4	6.2E-4	8.8E-5	1.1E-4
AMS22	Janvier	61	93%	0	0	1.2E-5	2.2E-5	3.6E-5	7.2E-5	9.7E-5	1.2E-4	1.8E-4	4.9E-5	3.8E-5





Particulate Matter <2.5µm Tested For Elements - Samarium (µg/m³) - 2022

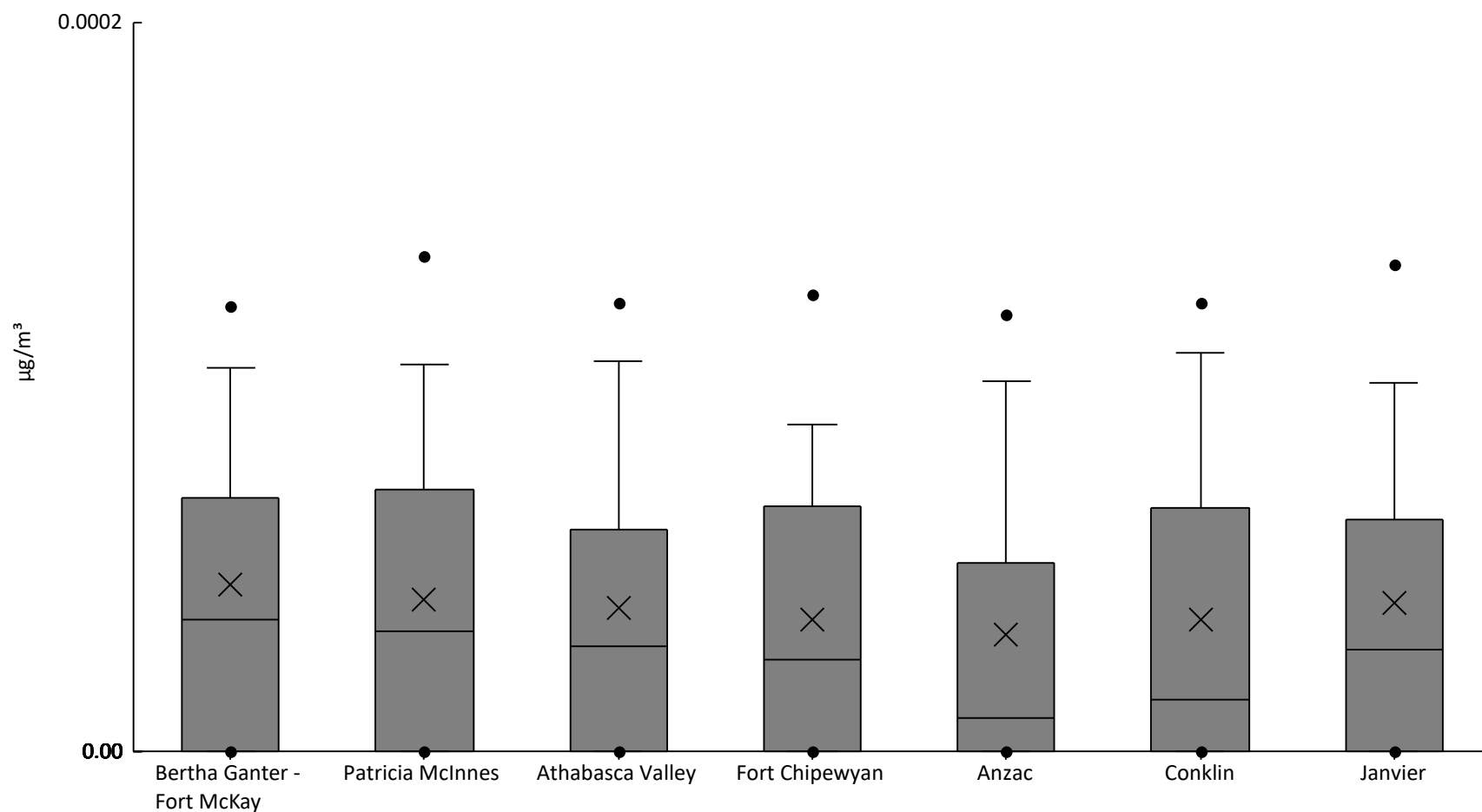
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	36%	0	0	0	2E-6	3E-6	8E-6	2.2E-5	2.6E-5	2.9E-5	6.7E-6	7.8E-6
AMS06	Patricia McInnes	61	13%	0	0	0	1E-6	2E-6	4E-6	6E-6	9.2E-6	3.6E-5	3.3E-6	5.2E-6
AMS07	Athabasca Valley	59	20%	0	0	0	1.3E-6	3E-6	5E-6	9.6E-6	2.2E-5	3.4E-5	4.9E-6	7.1E-6
AMS08	Fort Chipewyan	43	12%	0	0	0	0	2E-6	3E-6	6.6E-6	1E-5	2.3E-5	2.7E-6	4.1E-6
AMS14	Anzac	61	3%	0	0	0	0	1E-6	2E-6	3.4E-6	5E-6	2.2E-5	1.8E-6	3E-6
AMS21	Conklin	61	25%	0	0	0	1E-6	2E-6	5.3E-6	1.5E-5	3.1E-5	4.6E-5	5.5E-6	9.8E-6
AMS22	Janvier	61	7%	0	0	0	0	1E-6	3E-6	4.4E-6	6.9E-6	2.4E-5	2.4E-6	3.8E-6





Particulate Matter <2.5µm Tested For Elements - Selenium (µg/m³) - 2022

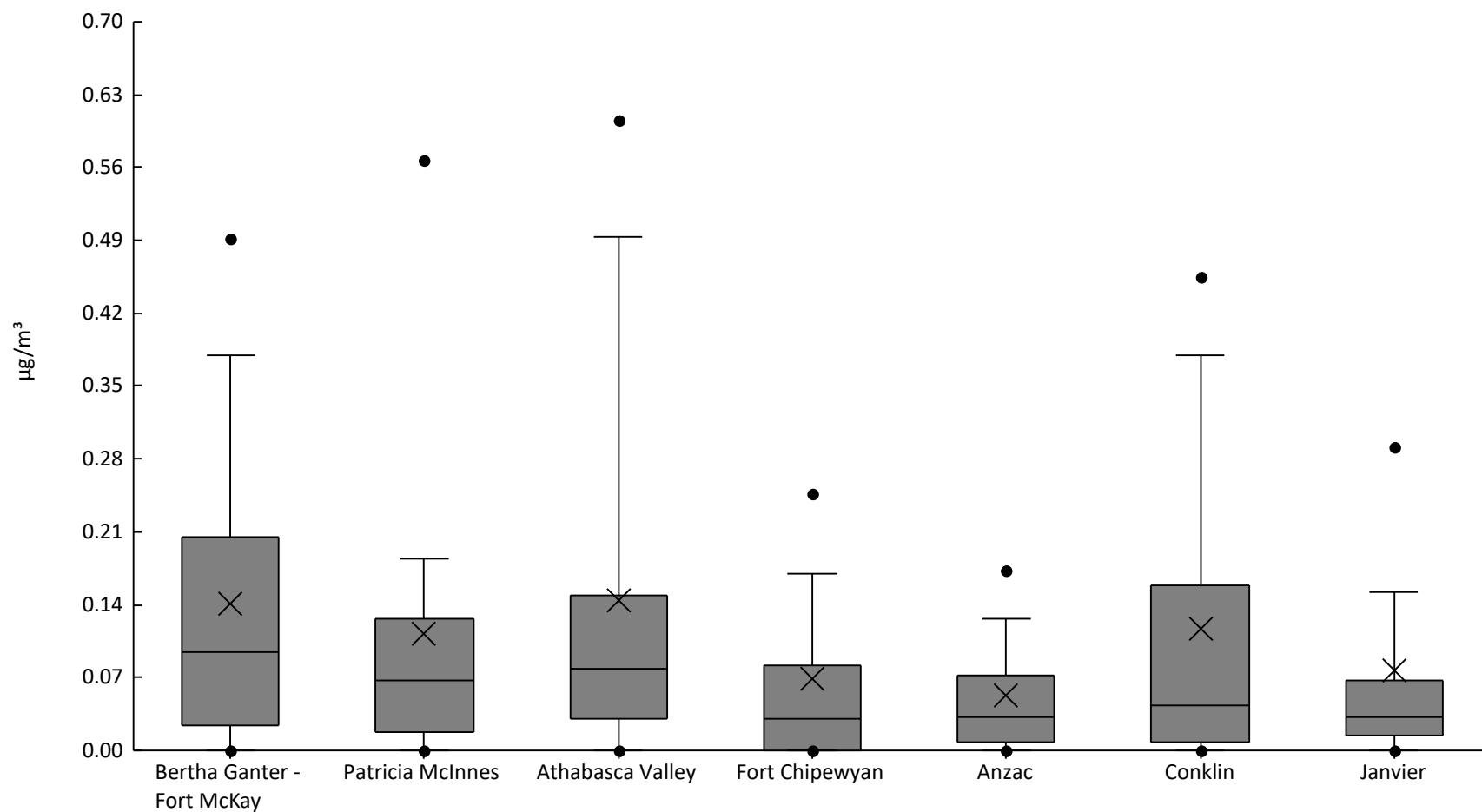
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	3%	0	0	0	0	3.6E-5	7E-5	1.1E-4	1.2E-4	2.6E-4	4.6E-5	5.2E-5
AMS06	Patricia McInnes	61	7%	0	0	0	0	3.3E-5	7.2E-5	1.1E-4	1.4E-4	1.4E-4	4.2E-5	4.3E-5
AMS07	Athabasca Valley	59	3%	0	0	0	0	2.9E-5	6.1E-5	1.1E-4	1.2E-4	2.2E-4	3.9E-5	4.8E-5
AMS08	Fort Chipewyan	43	5%	0	0	0	0	2.5E-5	6.7E-5	9E-5	1.3E-4	1.6E-4	3.6E-5	4.2E-5
AMS14	Anzac	61	0%	0	0	0	0	9E-6	5.2E-5	1E-4	1.2E-4	1.3E-4	3.2E-5	4.1E-5
AMS21	Conklin	61	3%	0	0	0	0	1.4E-5	6.7E-5	1.1E-4	1.2E-4	1.6E-4	3.6E-5	4.5E-5
AMS22	Janvier	61	5%	0	0	0	0	2.8E-5	6.4E-5	1E-4	1.3E-4	2.4E-4	4.1E-5	5E-5





Particulate Matter <2.5µm Tested For Elements - Silicon (µg/m³) - 2022

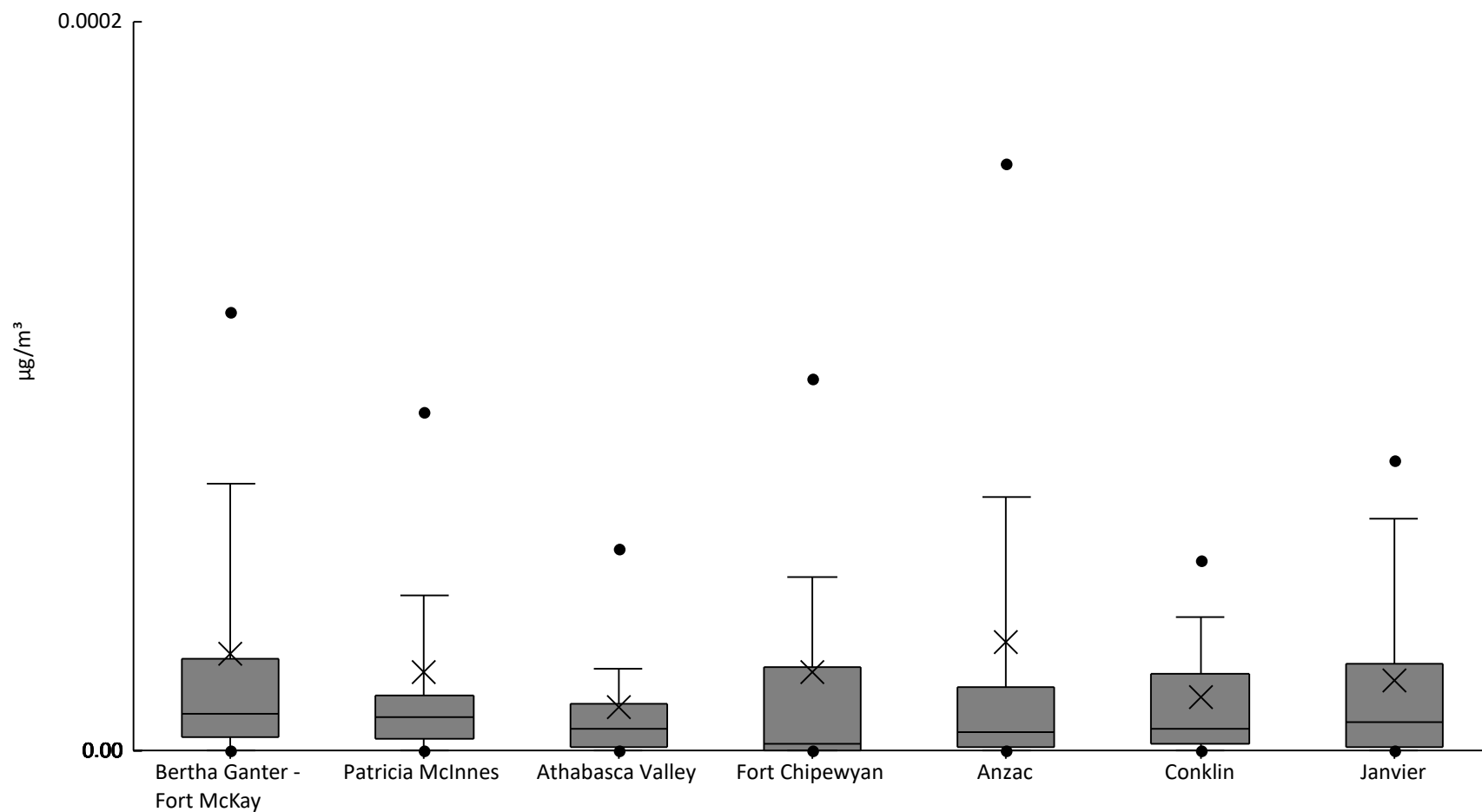
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	77%	0	0	0	0.024	0.095	0.21	0.38	0.49	0.76	0.14	0.16
AMS06	Patricia McInnes	61	77%	0	0	0	0.017	0.067	0.13	0.18	0.57	0.96	0.11	0.18
AMS07	Athabasca Valley	59	80%	0	0	0	0.031	0.079	0.15	0.49	0.61	0.9	0.14	0.19
AMS08	Fort Chipewyan	43	63%	0	0	0	0	0.03	0.082	0.17	0.25	0.77	0.069	0.13
AMS14	Anzac	61	70%	0	0	0	8.3E-3	0.032	0.072	0.13	0.17	0.39	0.053	0.067
AMS21	Conklin	61	74%	0	0	0	7.6E-3	0.043	0.16	0.38	0.45	0.93	0.12	0.17
AMS22	Janvier	61	82%	0	0	0	0.014	0.031	0.067	0.15	0.29	0.97	0.076	0.15





Particulate Matter <2.5µm Tested For Elements - Silver (µg/m³) - 2022

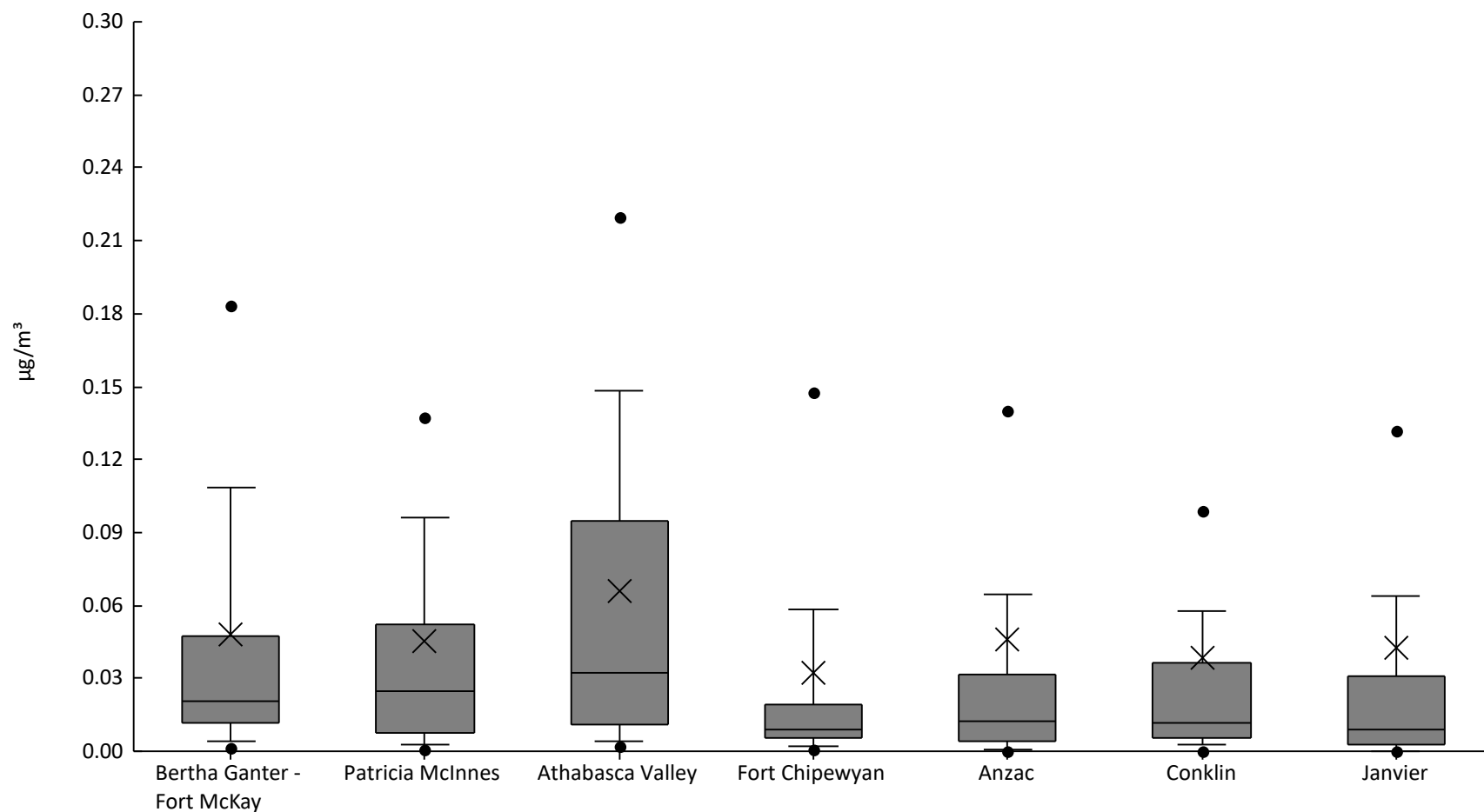
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	72%	0	0	0	3.8E-6	1E-5	2.5E-5	7.3E-5	1.2E-4	2.9E-4	2.6E-5	5E-5
AMS06	Patricia McInnes	61	70%	0	0	0	3E-6	9E-6	1.5E-5	4.2E-5	9.3E-5	3.2E-4	2.2E-5	5E-5
AMS07	Athabasca Valley	59	54%	0	0	0	1E-6	6E-6	1.3E-5	2.2E-5	5.5E-5	1.4E-4	1.2E-5	2.2E-5
AMS08	Fort Chipewyan	43	35%	0	0	0	0	2E-6	2.3E-5	4.8E-5	1E-4	3.6E-4	2.2E-5	5.8E-5
AMS14	Anzac	61	46%	0	0	0	1E-6	5E-6	1.8E-5	6.9E-5	1.6E-4	5.8E-4	3E-5	8.3E-5
AMS21	Conklin	61	56%	0	0	0	1.8E-6	6E-6	2.1E-5	3.6E-5	5.2E-5	1E-4	1.5E-5	2.1E-5
AMS22	Janvier	61	54%	0	0	0	1E-6	8E-6	2.4E-5	6.4E-5	8E-5	1.1E-4	1.9E-5	2.7E-5





Particulate Matter <2.5µm Tested For Elements - Sodium (µg/m³) - 2022

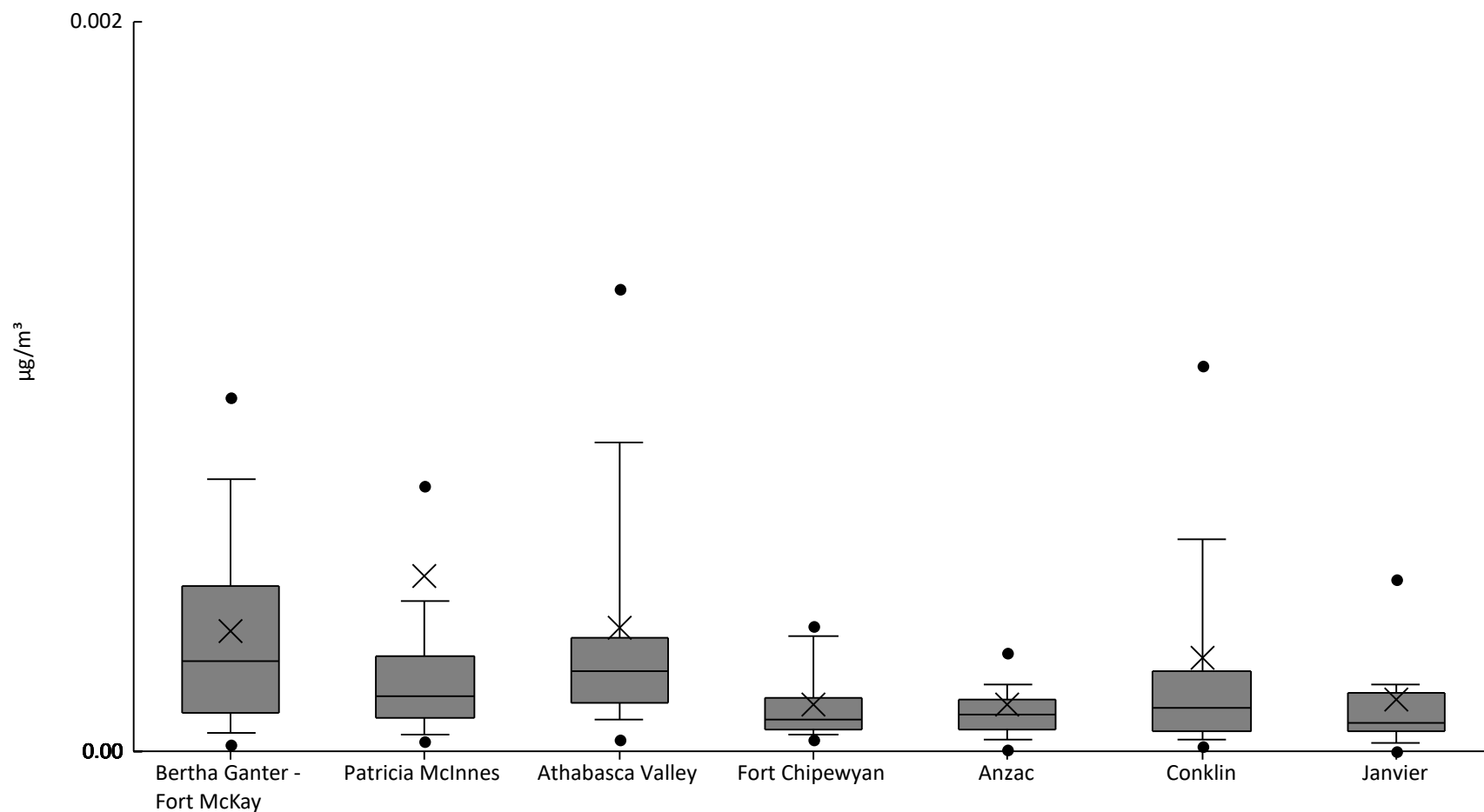
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	95%	0	1.2E-3	3.9E-3	0.012	0.021	0.047	0.11	0.18	0.52	0.048	0.08
AMS06	Patricia McInnes	61	95%	0	1E-3	2.5E-3	7.6E-3	0.024	0.052	0.096	0.14	0.63	0.045	0.088
AMS07	Athabasca Valley	59	100%	1.1E-3	2E-3	4E-3	0.011	0.032	0.095	0.15	0.22	0.69	0.066	0.11
AMS08	Fort Chipewyan	43	93%	0	3.7E-4	2E-3	5.3E-3	8.9E-3	0.019	0.058	0.15	0.5	0.032	0.084
AMS14	Anzac	61	87%	0	0	5.6E-4	4.1E-3	0.012	0.032	0.064	0.14	0.91	0.046	0.14
AMS21	Conklin	61	93%	0	0	2.7E-3	5.3E-3	0.012	0.036	0.058	0.099	0.65	0.039	0.098
AMS22	Janvier	61	87%	0	0	2.9E-4	2.7E-3	8.8E-3	0.031	0.064	0.13	0.9	0.043	0.13





Particulate Matter <2.5µm Tested For Elements - Strontium (µg/m³) - 2022

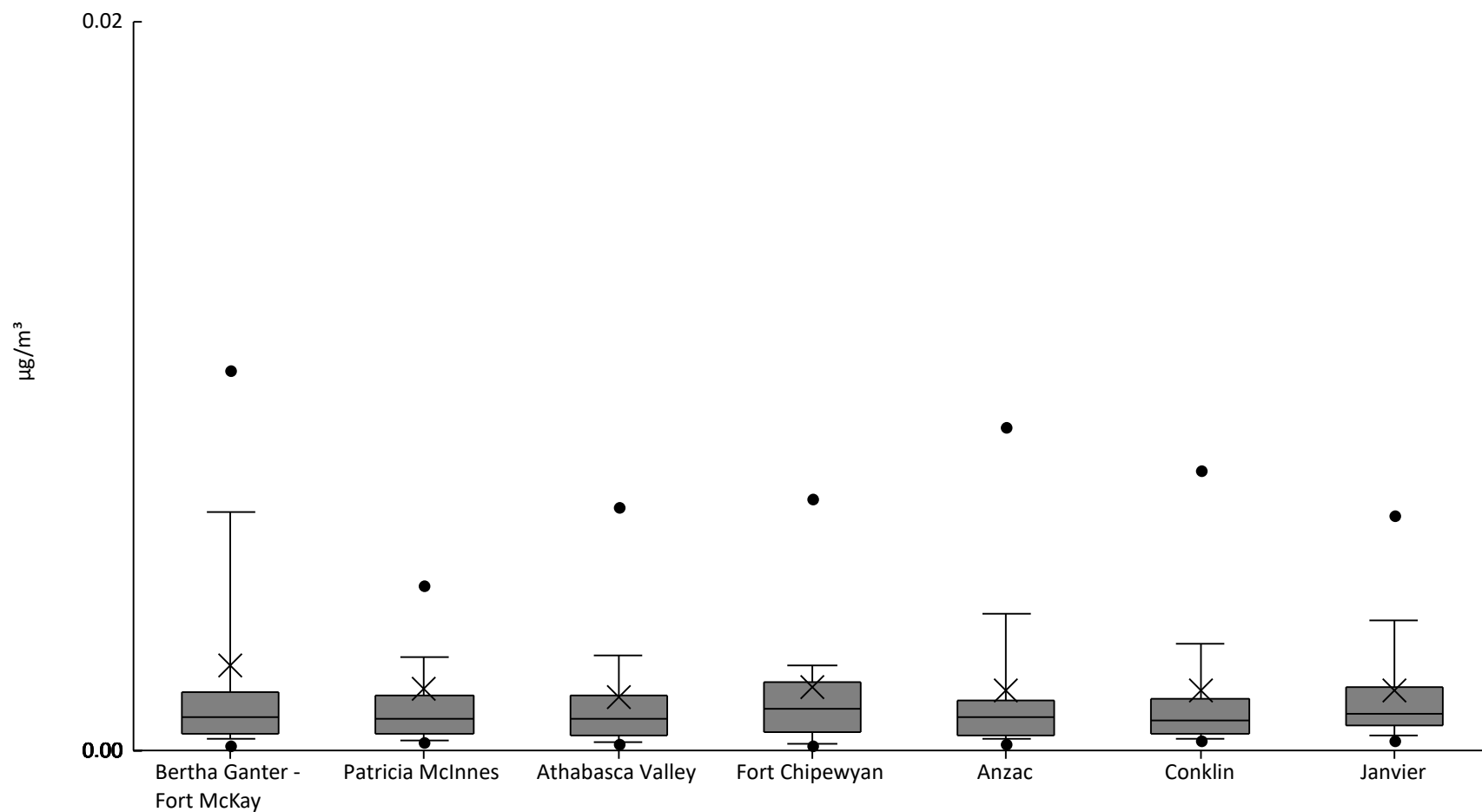
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	95%	0	1.9E-5	4.9E-5	1.1E-4	2.5E-4	4.5E-4	7.5E-4	9.7E-4	1.1E-3	3.3E-4	2.8E-4
AMS06	Patricia McInnes	61	97%	0	2.9E-5	4.4E-5	9.1E-5	1.5E-4	2.6E-4	4.1E-4	7.3E-4	0.017	4.8E-4	2.2E-3
AMS07	Athabasca Valley	59	95%	0	3.2E-5	8.5E-5	1.3E-4	2.2E-4	3.1E-4	8.5E-4	1.3E-3	1.6E-3	3.4E-4	3.7E-4
AMS08	Fort Chipewyan	43	98%	0	3.2E-5	4.5E-5	6.1E-5	8.7E-5	1.5E-4	3.2E-4	3.4E-4	4.7E-4	1.3E-4	1.1E-4
AMS14	Anzac	61	93%	0	5.5E-6	3.2E-5	5.9E-5	1E-4	1.4E-4	1.8E-4	2.7E-4	1.2E-3	1.3E-4	1.7E-4
AMS21	Conklin	61	95%	0	1.3E-5	3.1E-5	5.5E-5	1.2E-4	2.2E-4	5.8E-4	1.1E-3	2.5E-3	2.6E-4	4.7E-4
AMS22	Janvier	61	92%	0	0	2.2E-5	5.4E-5	7.9E-5	1.6E-4	1.8E-4	4.7E-4	1.2E-3	1.4E-4	2.1E-4





Particulate Matter <2.5µm Tested For Elements - Tantalum (µg/m³) - 2022

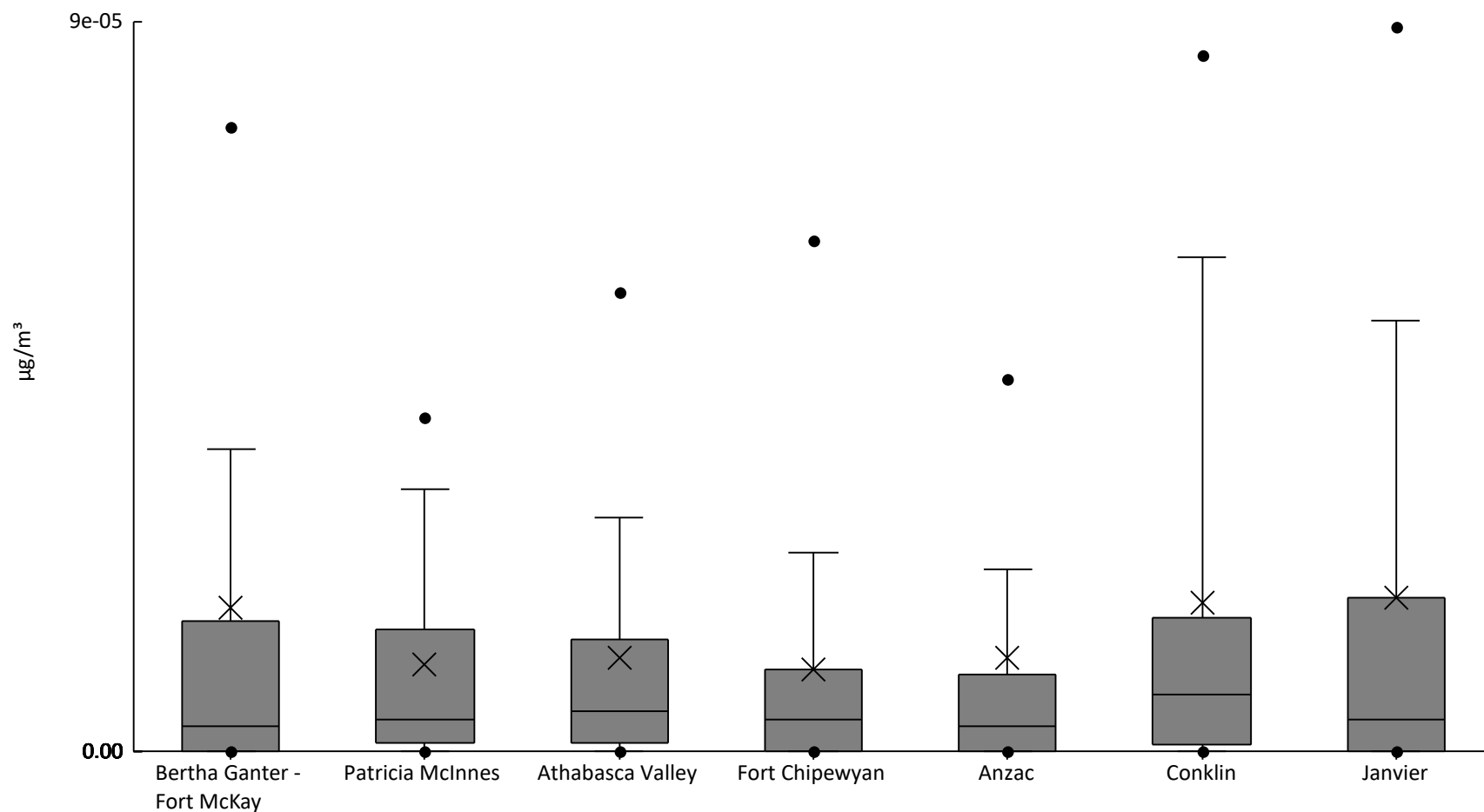
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	4E-5	1.6E-4	3.3E-4	4.4E-4	9E-4	1.6E-3	6.6E-3	0.01	0.031	2.3E-3	4.5E-3
AMS06	Patricia McInnes	61	100%	1E-4	2.1E-4	2.9E-4	4.6E-4	8.9E-4	1.5E-3	2.6E-3	4.5E-3	0.03	1.7E-3	3.9E-3
AMS07	Athabasca Valley	59	100%	9.2E-5	2E-4	2.4E-4	4.2E-4	8.8E-4	1.5E-3	2.6E-3	6.7E-3	0.015	1.5E-3	2.3E-3
AMS08	Fort Chipewyan	43	100%	1.2E-4	1.5E-4	1.8E-4	5E-4	1.1E-3	1.9E-3	2.3E-3	6.9E-3	0.019	1.8E-3	3.1E-3
AMS14	Anzac	61	100%	5.1E-5	1.7E-4	3.2E-4	4.2E-4	8.9E-4	1.4E-3	3.7E-3	8.9E-3	0.01	1.7E-3	2.4E-3
AMS21	Conklin	61	100%	1.3E-4	2.7E-4	3E-4	4.4E-4	8.4E-4	1.4E-3	2.9E-3	7.7E-3	0.017	1.6E-3	2.7E-3
AMS22	Janvier	61	100%	1.8E-4	2.7E-4	4E-4	6.9E-4	1E-3	1.7E-3	3.6E-3	6.5E-3	0.01	1.6E-3	1.9E-3





Particulate Matter <2.5µm Tested For Elements - Thallium (µg/m³) - 2022

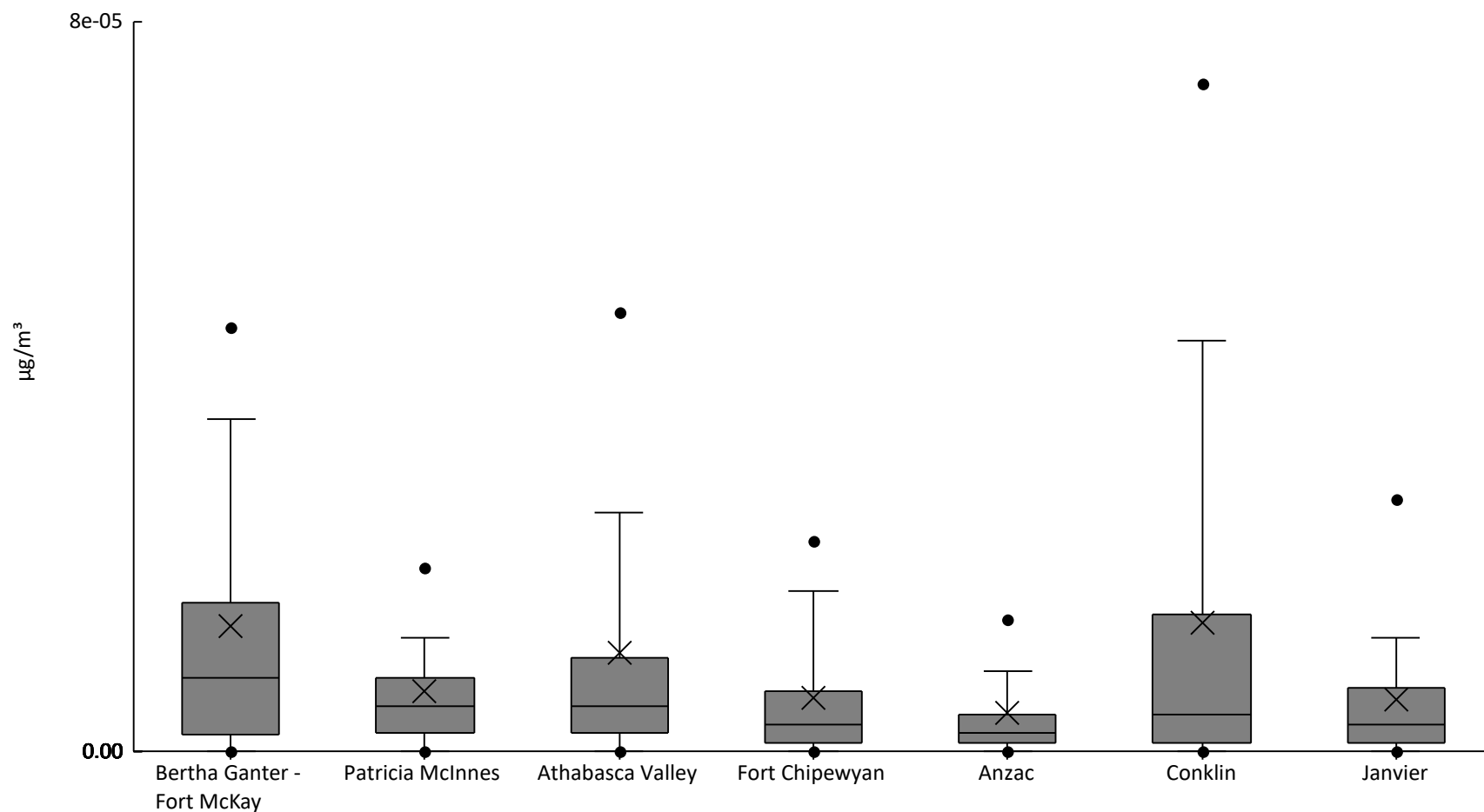
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	46%	0	0	0	0	3E-6	1.6E-5	3.7E-5	7.7E-5	2.5E-4	1.8E-5	4.4E-5
AMS06	Patricia McInnes	61	49%	0	0	0	1E-6	4E-6	1.5E-5	3.2E-5	4.1E-5	8.7E-5	1.1E-5	1.6E-5
AMS07	Athabasca Valley	59	53%	0	0	0	1E-6	5E-6	1.4E-5	2.9E-5	5.7E-5	8E-5	1.2E-5	1.7E-5
AMS08	Fort Chipewyan	43	49%	0	0	0	0	4E-6	1E-5	2.5E-5	6.3E-5	8E-5	1E-5	1.8E-5
AMS14	Anzac	61	41%	0	0	0	0	3E-6	9.5E-6	2.2E-5	4.6E-5	2.3E-4	1.1E-5	3.2E-5
AMS21	Conklin	61	54%	0	0	0	7.5E-7	7E-6	1.7E-5	6.1E-5	8.6E-5	1.7E-4	1.8E-5	3.2E-5
AMS22	Janvier	61	49%	0	0	0	0	4E-6	1.9E-5	5.3E-5	8.9E-5	2.5E-4	1.9E-5	3.8E-5





Particulate Matter <2.5µm Tested For Elements - Thorium (µg/m³) - 2022

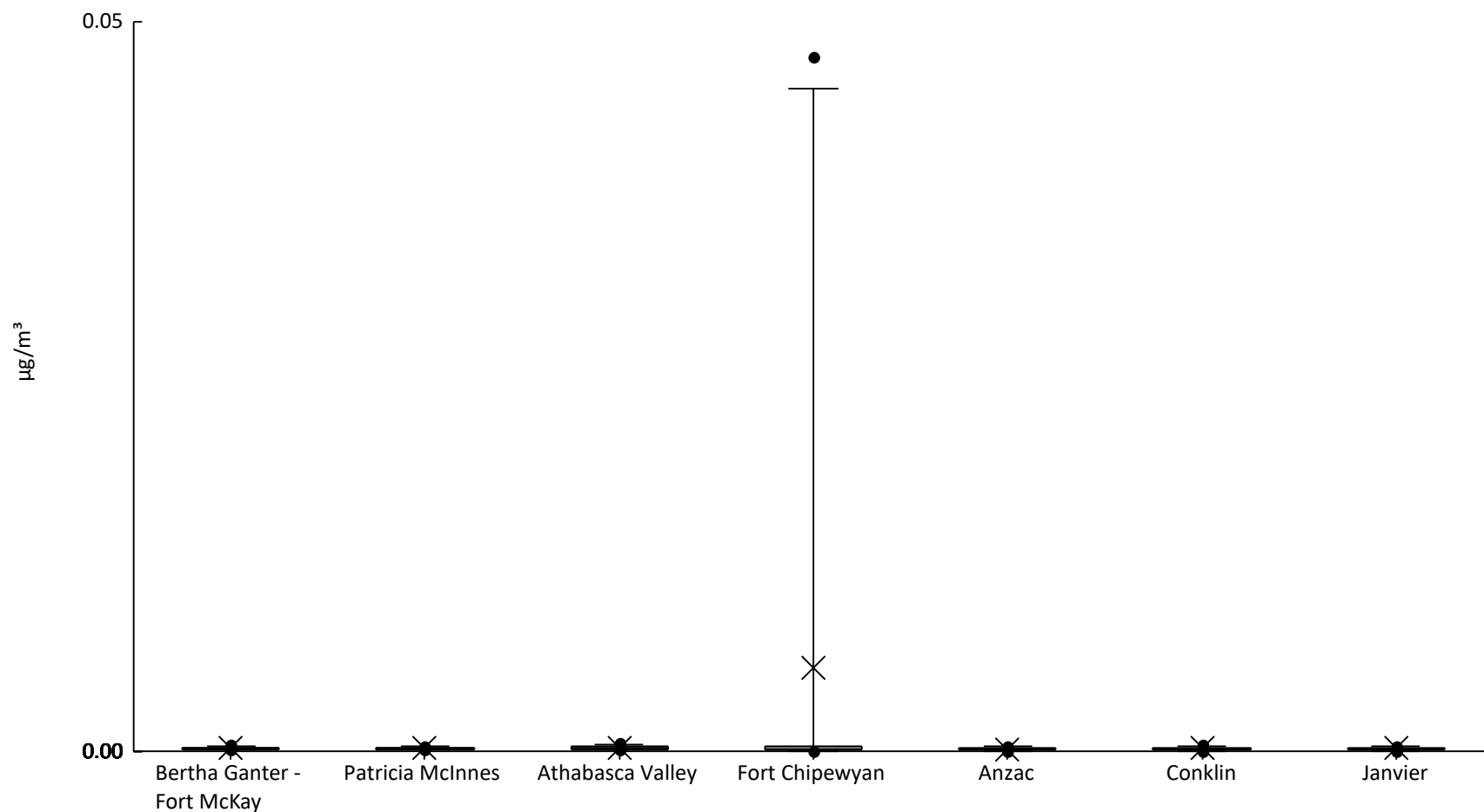
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	75%	0	0	0	1.8E-6	8E-6	1.6E-5	3.6E-5	4.6E-5	1.1E-4	1.4E-5	1.8E-5
AMS06	Patricia McInnes	61	75%	0	0	0	2E-6	5E-6	8E-6	1.2E-5	2E-5	5E-5	6.5E-6	8.7E-6
AMS07	Athabasca Valley	59	81%	0	0	0	2E-6	5E-6	1E-5	2.6E-5	4.8E-5	1.2E-4	1.1E-5	1.9E-5
AMS08	Fort Chipewyan	43	63%	0	0	0	1E-6	3E-6	6.5E-6	1.8E-5	2.3E-5	3.6E-5	5.8E-6	8E-6
AMS14	Anzac	61	52%	0	0	0	1E-6	2E-6	4E-6	8.8E-6	1.4E-5	4.3E-5	4.1E-6	7.2E-6
AMS21	Conklin	61	66%	0	0	0	1E-6	4E-6	1.5E-5	4.5E-5	7.3E-5	1.3E-4	1.4E-5	2.6E-5
AMS22	Janvier	61	62%	0	0	0	1E-6	3E-6	7E-6	1.2E-5	2.8E-5	4.4E-5	5.7E-6	8.7E-6





Particulate Matter <2.5µm Tested For Elements - Tin (µg/m³) - 2022

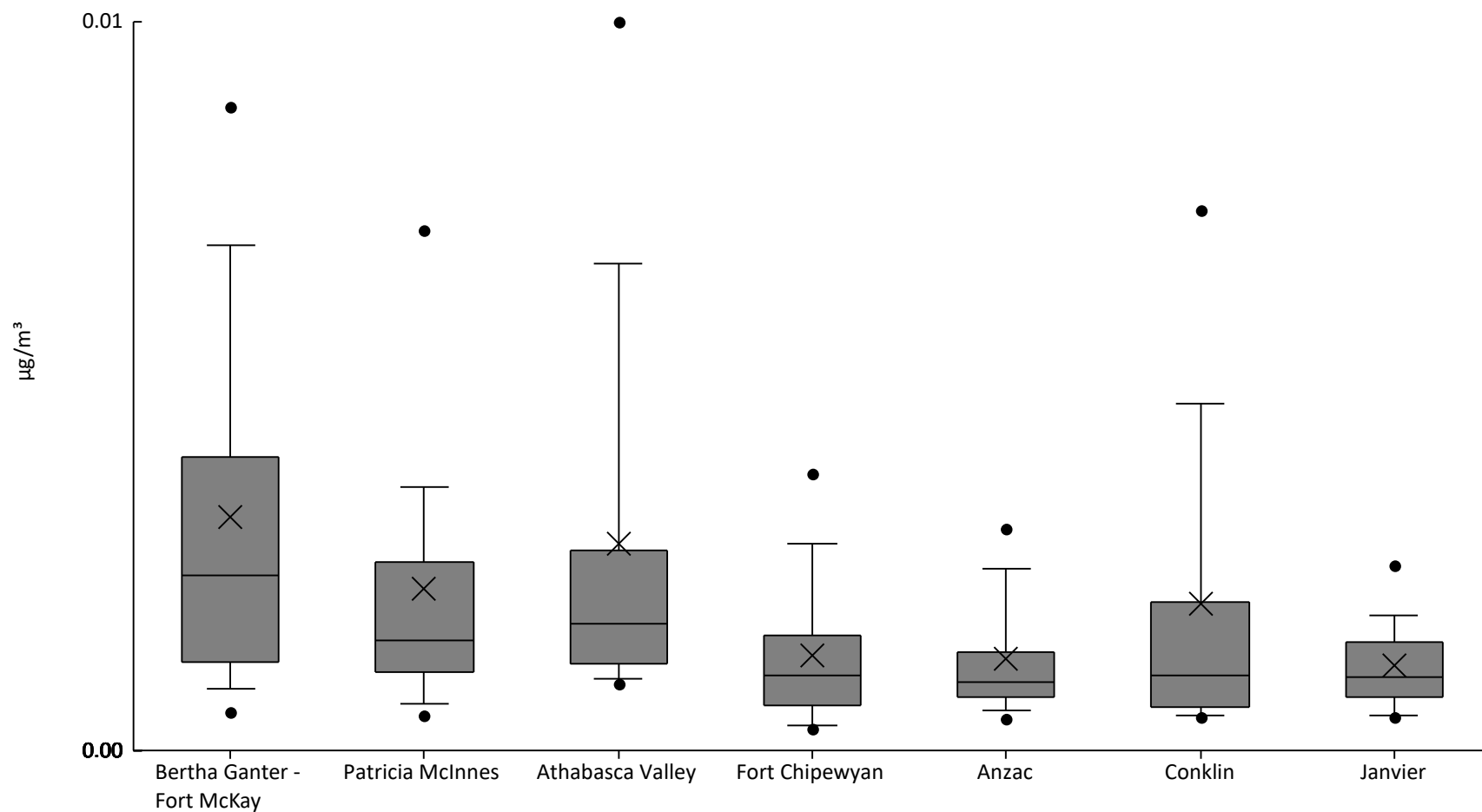
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	4E-5	6.1E-5	7.2E-5	1.2E-4	1.8E-4	2.7E-4	3.3E-4	4.4E-4	5E-4	2E-4	1.1E-4
AMS06	Patricia McInnes	61	100%	1.4E-5	6.3E-5	7.2E-5	1.1E-4	2E-4	2.7E-4	3.5E-4	3.7E-4	4.9E-4	2E-4	1E-4
AMS07	Athabasca Valley	59	100%	6E-5	8.8E-5	9.7E-5	1.5E-4	2.5E-4	3.2E-4	4.7E-4	5.7E-4	6.5E-4	2.6E-4	1.4E-4
AMS08	Fort Chipewyan	43	93%	0	4E-6	1.7E-5	9.7E-5	1.5E-4	3.1E-4	0.045	0.048	0.052	5.7E-3	0.016
AMS14	Anzac	61	97%	2E-6	1.8E-5	4.6E-5	9.2E-5	1.6E-4	2.4E-4	3.1E-4	3.8E-4	4.2E-4	1.7E-4	1E-4
AMS21	Conklin	61	98%	3E-6	2.4E-5	5.7E-5	1E-4	1.6E-4	2.4E-4	3.4E-4	4.7E-4	9E-4	1.9E-4	1.4E-4
AMS22	Janvier	61	100%	8E-6	4.6E-5	5.5E-5	1E-4	1.6E-4	2.4E-4	2.9E-4	3.8E-4	4.8E-4	1.8E-4	1E-4





Particulate Matter <2.5µm Tested For Elements - Titanium (µg/m³) - 2022

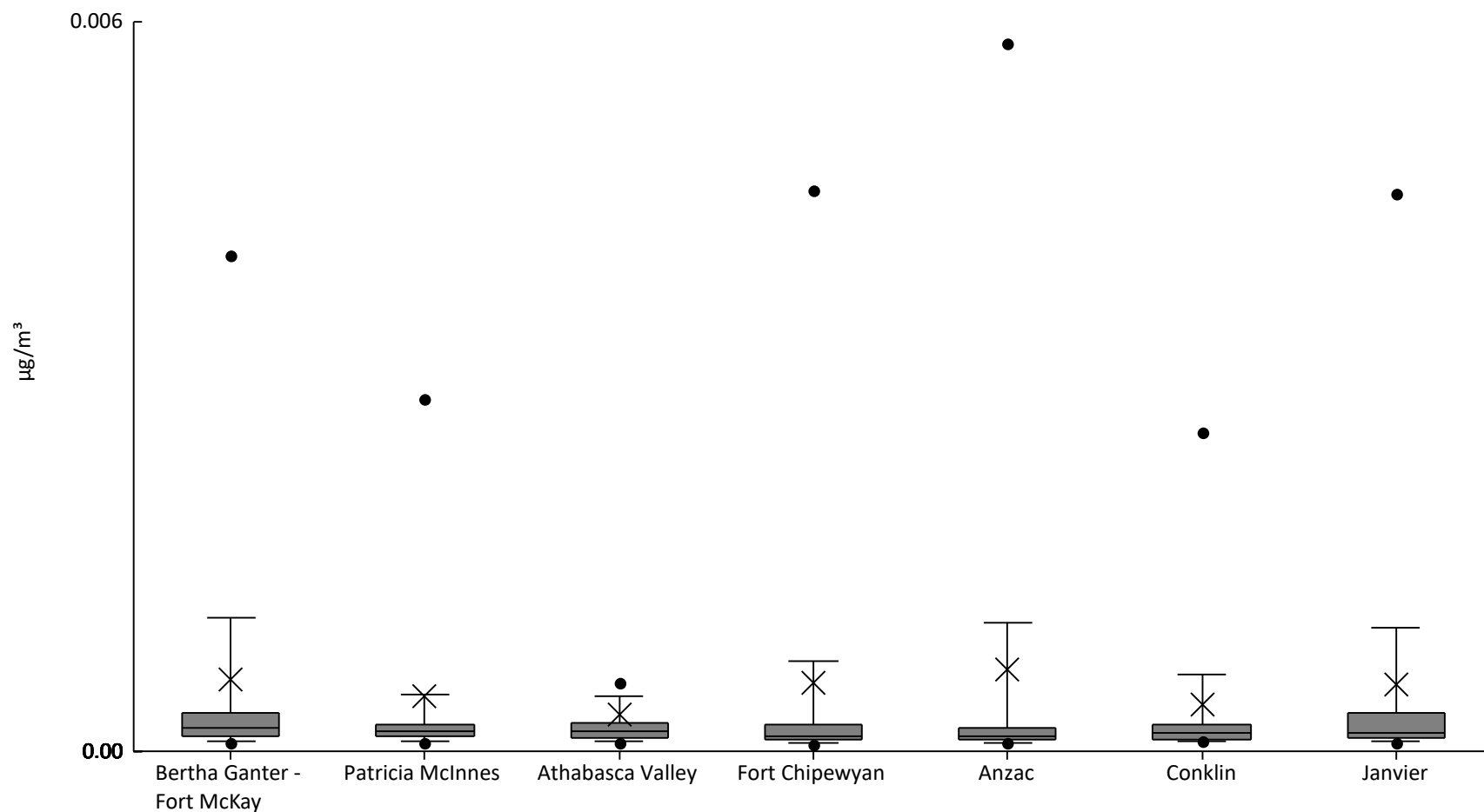
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	4.3E-4	5.2E-4	8.6E-4	1.2E-3	2.4E-3	4E-3	6.9E-3	8.8E-3	0.012	3.2E-3	2.6E-3
AMS06	Patricia McInnes	61	100%	4.1E-4	4.7E-4	6.5E-4	1.1E-3	1.5E-3	2.6E-3	3.6E-3	7.1E-3	0.015	2.2E-3	2.4E-3
AMS07	Athabasca Valley	59	100%	6.9E-4	9.1E-4	9.9E-4	1.2E-3	1.7E-3	2.7E-3	6.7E-3	0.01	0.013	2.8E-3	2.8E-3
AMS08	Fort Chipewyan	43	100%	2.1E-4	2.9E-4	3.5E-4	6.2E-4	1E-3	1.6E-3	2.8E-3	3.8E-3	4.8E-3	1.3E-3	1E-3
AMS14	Anzac	61	100%	2.7E-4	4.3E-4	5.4E-4	7.4E-4	9.3E-4	1.3E-3	2.5E-3	3E-3	5.6E-3	1.3E-3	9.2E-4
AMS21	Conklin	61	100%	2.7E-4	4.6E-4	4.8E-4	6E-4	1E-3	2E-3	4.8E-3	7.4E-3	0.016	2E-3	2.9E-3
AMS22	Janvier	61	100%	2.9E-4	4.5E-4	4.8E-4	7.3E-4	1E-3	1.5E-3	1.8E-3	2.5E-3	3.9E-3	1.2E-3	7E-4





Particulate Matter <2.5µm Tested For Elements - Tungsten (µg/m³) - 2022

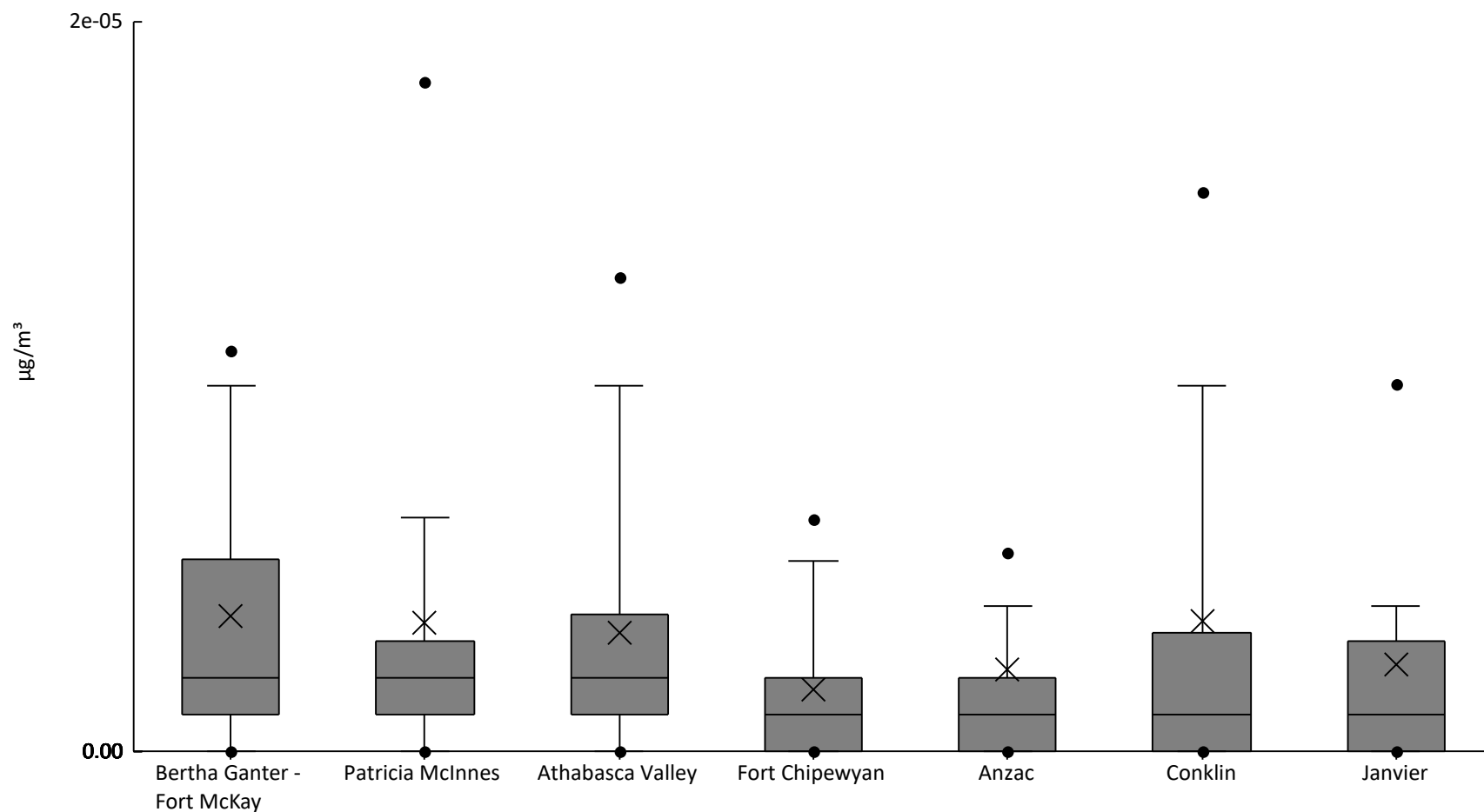
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	5.3E-5	7E-5	8.3E-5	1.2E-4	1.9E-4	3.1E-4	1.1E-3	4.1E-3	7.4E-3	5.9E-4	1.3E-3
AMS06	Patricia McInnes	61	100%	5.7E-5	7.4E-5	8.4E-5	1.2E-4	1.6E-4	2.2E-4	4.7E-4	2.9E-3	6E-3	4.5E-4	1.1E-3
AMS07	Athabasca Valley	59	100%	6.6E-5	7.2E-5	8.6E-5	1.1E-4	1.6E-4	2.4E-4	4.5E-4	5.6E-4	5.6E-3	3E-4	7.2E-4
AMS08	Fort Chipewyan	43	100%	3.9E-5	5.2E-5	6.9E-5	9.1E-5	1.3E-4	2.2E-4	7.5E-4	4.6E-3	7.1E-3	5.6E-4	1.4E-3
AMS14	Anzac	61	100%	4.5E-5	6.4E-5	7.4E-5	9.6E-5	1.3E-4	1.9E-4	1.1E-3	5.8E-3	8.3E-3	6.7E-4	1.7E-3
AMS21	Conklin	61	100%	6.3E-5	7.9E-5	8.3E-5	9.7E-5	1.5E-4	2.2E-4	6.3E-4	2.6E-3	4E-3	3.8E-4	7.8E-4
AMS22	Janvier	61	100%	5.6E-5	7.3E-5	8.8E-5	1.2E-4	1.6E-4	3.2E-4	1E-3	4.6E-3	5.4E-3	5.5E-4	1.2E-3





Particulate Matter <2.5µm Tested For Elements - Uranium (µg/m³) - 2022

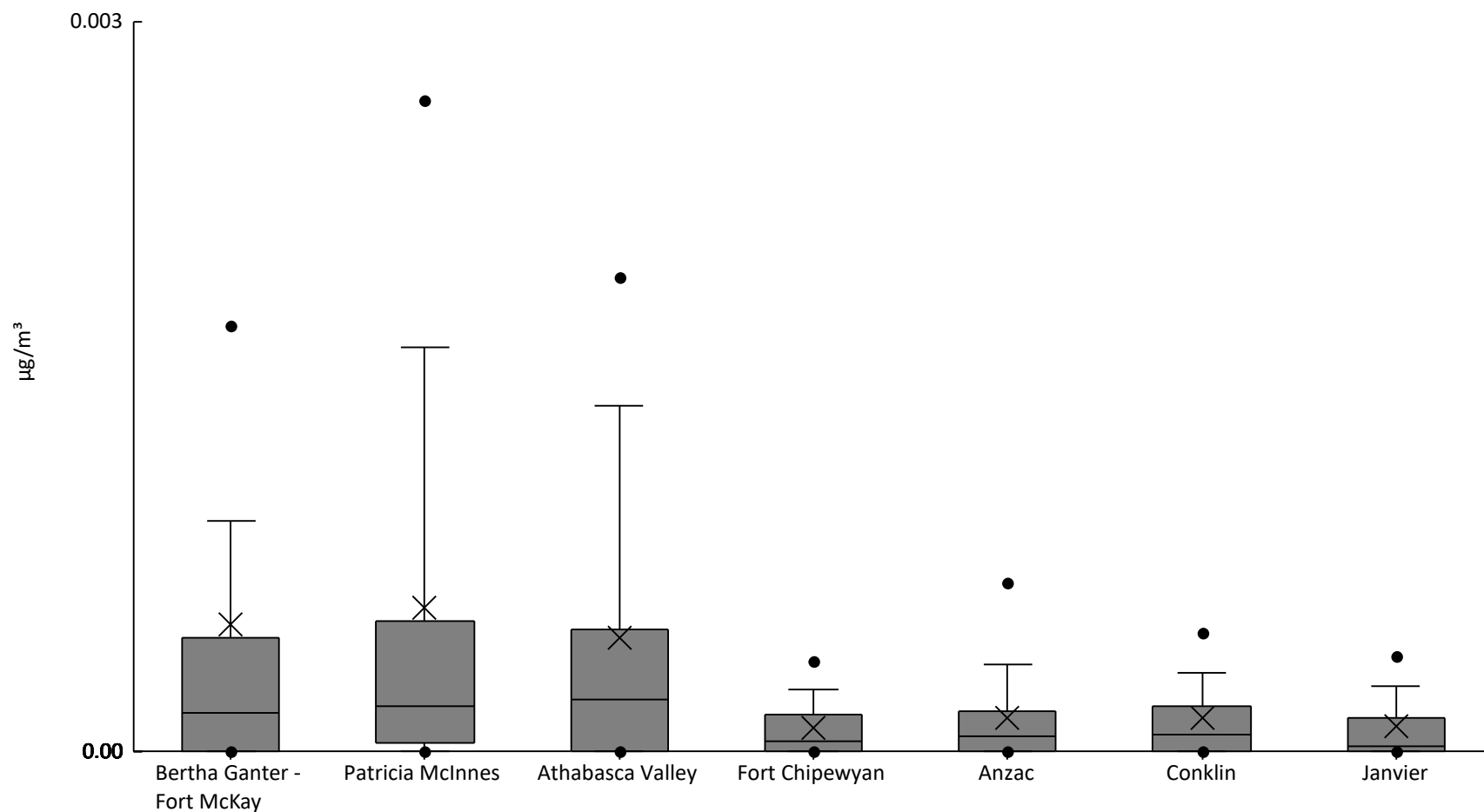
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	46%	0	0	0	1E-6	2E-6	5.3E-6	1E-5	1.1E-5	3.4E-5	3.7E-6	5.1E-6
AMS06	Patricia McInnes	61	36%	0	0	0	1E-6	2E-6	3E-6	6.4E-6	1.8E-5	4.1E-5	3.5E-6	6.5E-6
AMS07	Athabasca Valley	59	36%	0	0	0	1E-6	2E-6	3.8E-6	1E-5	1.3E-5	1.5E-5	3.3E-6	3.9E-6
AMS08	Fort Chipewyan	43	23%	0	0	0	0	1E-6	2E-6	5.2E-6	6.4E-6	9E-6	1.7E-6	2.2E-6
AMS14	Anzac	61	15%	0	0	0	0	1E-6	2E-6	4E-6	5.5E-6	3E-5	2.2E-6	5.1E-6
AMS21	Conklin	61	38%	0	0	0	0	1E-6	3.3E-6	1E-5	1.5E-5	3.6E-5	3.6E-6	6.3E-6
AMS22	Janvier	61	28%	0	0	0	0	1E-6	3E-6	4E-6	1E-5	2.6E-5	2.4E-6	4.3E-6





Particulate Matter <2.5µm Tested For Elements - Vanadium (µg/m³) - 2022

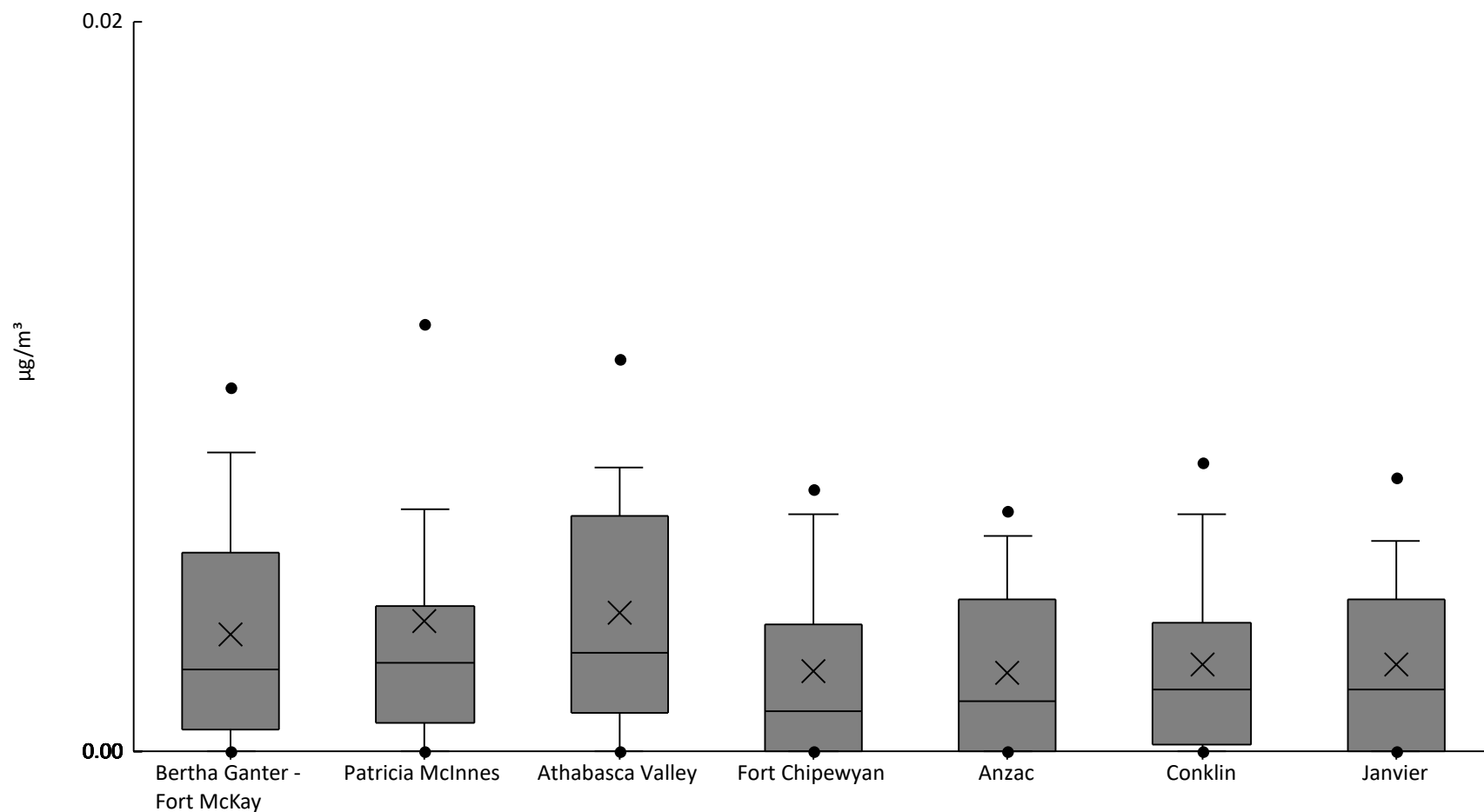
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	69%	0	0	0	0	1.6E-4	4.7E-4	9.4E-4	1.8E-3	7.9E-3	5.2E-4	1.2E-3
AMS06	Patricia McInnes	61	80%	0	0	0	3.8E-5	1.9E-4	5.4E-4	1.7E-3	2.7E-3	7.7E-3	5.9E-4	1.2E-3
AMS07	Athabasca Valley	59	73%	0	0	0	7.5E-7	2.1E-4	5E-4	1.4E-3	1.9E-3	3.1E-3	4.7E-4	6.8E-4
AMS08	Fort Chipewyan	43	53%	0	0	0	0	4E-5	1.5E-4	2.6E-4	3.7E-4	7.3E-4	9.7E-5	1.4E-4
AMS14	Anzac	61	66%	0	0	0	0	6.2E-5	1.6E-4	3.6E-4	6.9E-4	8.8E-4	1.4E-4	2.1E-4
AMS21	Conklin	61	67%	0	0	0	0	7.2E-5	1.8E-4	3.2E-4	4.9E-4	1.1E-3	1.4E-4	2.1E-4
AMS22	Janvier	61	51%	0	0	0	0	2.3E-5	1.4E-4	2.7E-4	3.9E-4	1.1E-3	1E-4	1.8E-4





Particulate Matter <2.5µm Tested For Elements - Zinc (µg/m³) - 2022

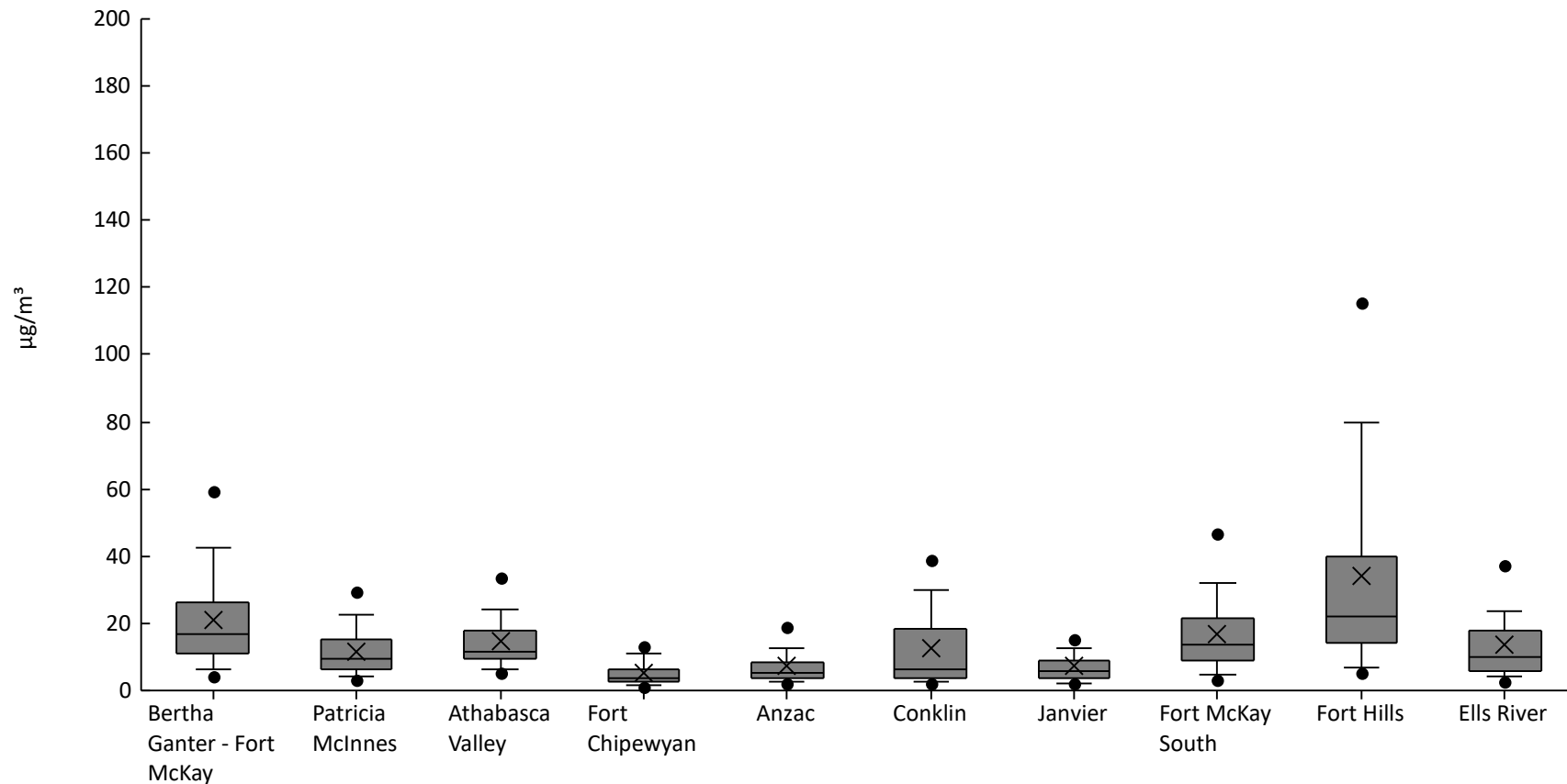
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	84%	0	0	0	6.1E-4	2.2E-3	5.5E-3	8.2E-3	1E-2	0.012	3.2E-3	3.2E-3
AMS06	Patricia McInnes	61	87%	0	0	0	7.9E-4	2.4E-3	4E-3	6.6E-3	0.012	0.036	3.6E-3	5.4E-3
AMS07	Athabasca Valley	59	85%	0	0	0	1.1E-3	2.7E-3	6.4E-3	7.8E-3	0.011	0.017	3.8E-3	3.6E-3
AMS08	Fort Chipewyan	43	58%	0	0	0	0	1.1E-3	3.5E-3	6.5E-3	7.2E-3	0.013	2.2E-3	2.9E-3
AMS14	Anzac	61	69%	0	0	0	0	1.4E-3	4.2E-3	5.9E-3	6.6E-3	7.8E-3	2.1E-3	2.3E-3
AMS21	Conklin	61	75%	0	0	0	2.1E-4	1.7E-3	3.5E-3	6.5E-3	7.9E-3	0.011	2.4E-3	2.6E-3
AMS22	Janvier	61	74%	0	0	0	1.4E-5	1.7E-3	4.2E-3	5.7E-3	7.5E-3	0.01	2.4E-3	2.6E-3





Particulate Matter <10µm Tested For Elements - Particulate Matter (µg/m³) - 2022

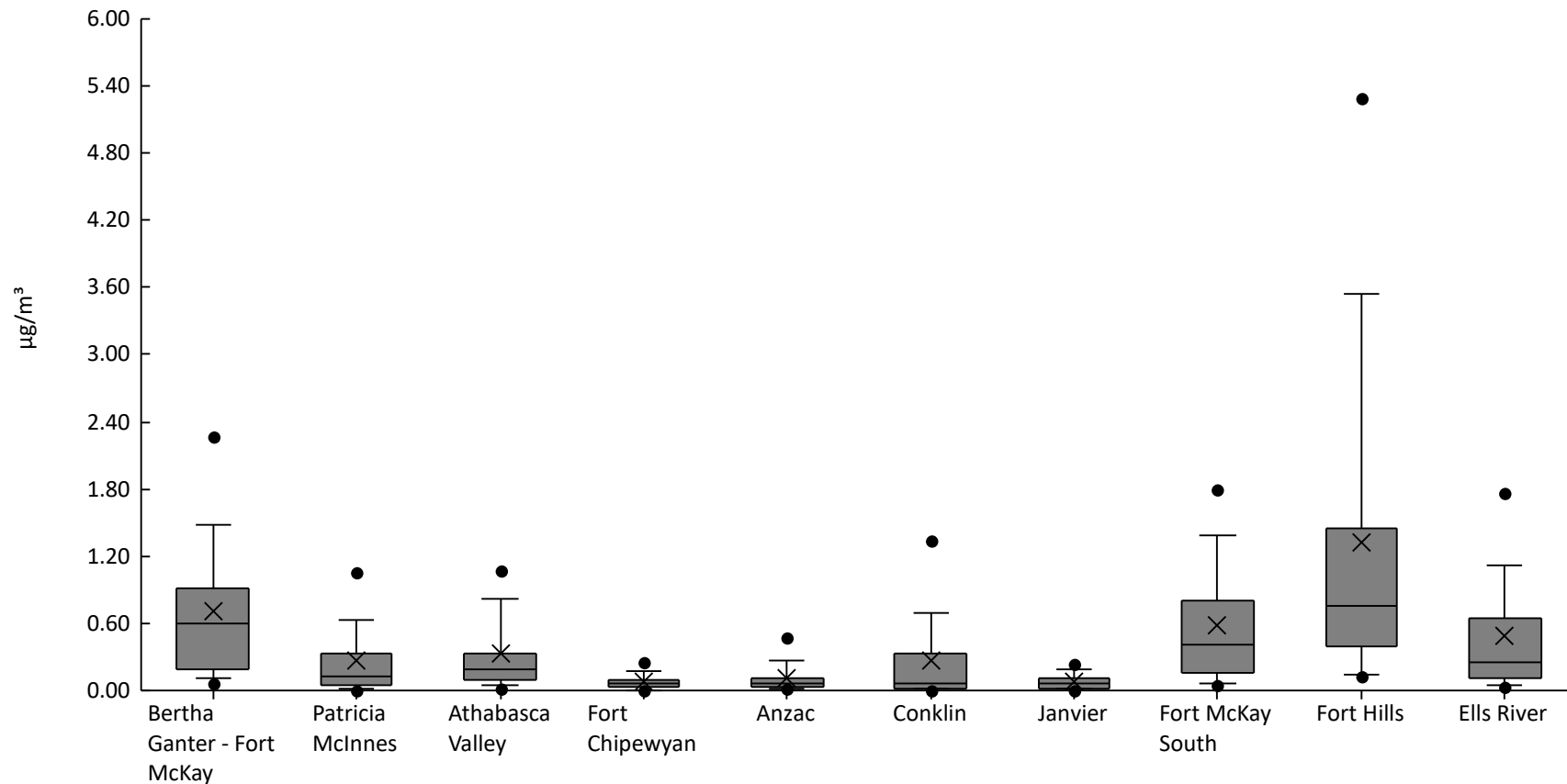
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	1.5	4.3	6.3	11	17	26	43	59	66	21	15
AMS06	Patricia McInnes	61	100%	0.58	3.4	4.1	6.3	9.5	15	23	30	40	12	7.9
AMS07	Athabasca Valley	61	100%	4.1	5.3	6.4	9.2	12	18	24	34	58	15	10
AMS08	Fort Chipewyan	44	100%	0.042	0.83	1.3	2.4	3.8	6.2	11	13	20	5	4.1
AMS14	Anzac	61	100%	0.88	2	2.9	3.9	5.4	8.2	13	19	46	7.4	7
AMS21	Conklin	61	100%	1.8	2	2.6	3.6	6.2	18	30	39	74	13	15
AMS22	Janvier	61	100%	1	1.9	2.2	3.7	5.8	9.2	12	15	35	7.2	6.1
AMS13	Fort McKay South	60	100%	0.96	2.9	4.7	8.9	14	22	32	47	60	17	13
AMS23	Fort Hills	57	100%	4.3	5.1	6.6	14	22	40	80	116	157	34	33
AMS30	Ells River	60	100%	1.1	2.4	4.5	5.5	9.8	18	23	37	81	14	13





Particulate Matter <10µm Tested For Elements - Aluminum (µg/m³) - 2022

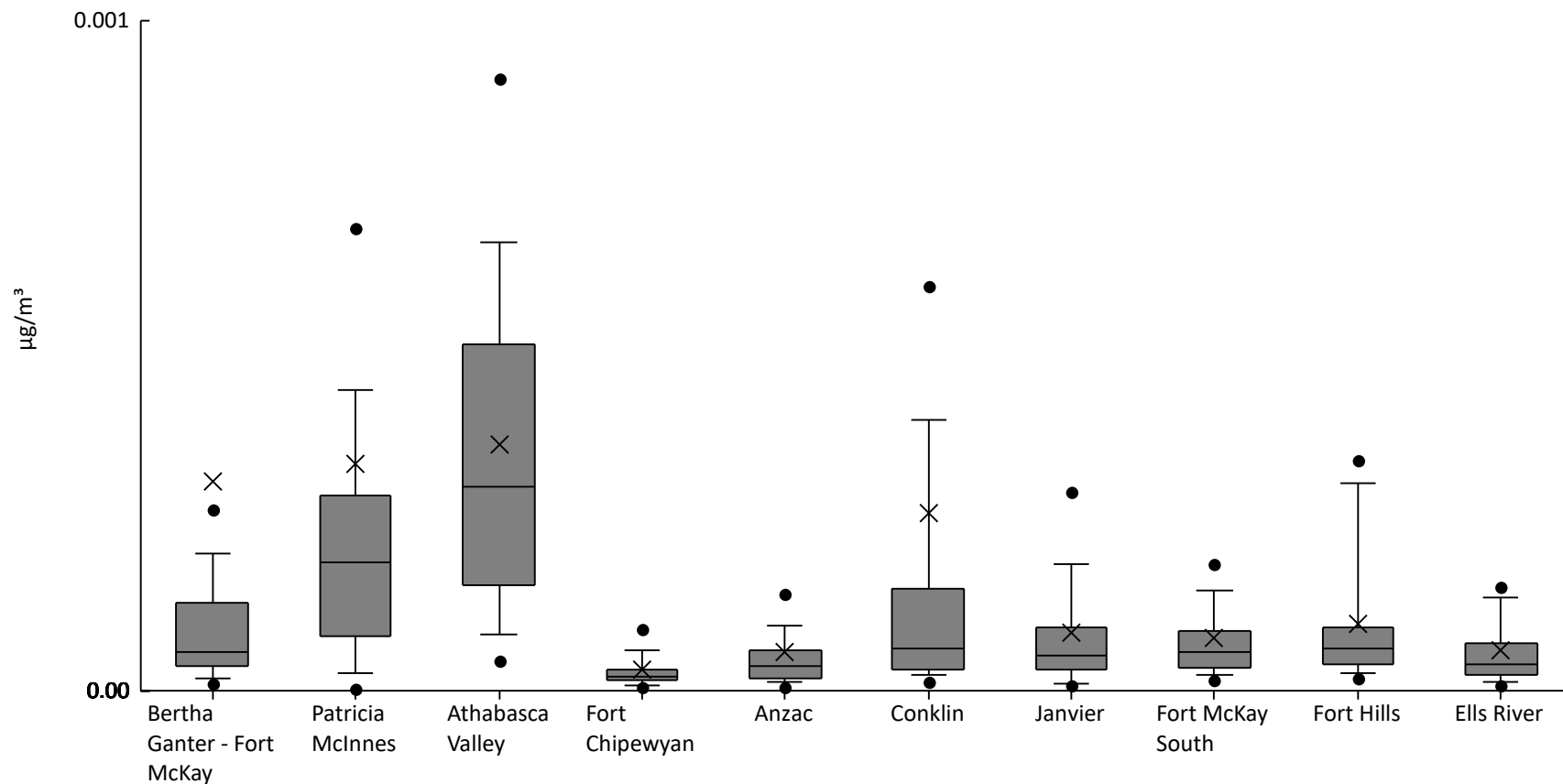
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	5.9E-3	0.06	0.11	0.19	0.6	0.91	1.5	2.3	3.3	0.7	0.67
AMS06	Patricia McInnes	61	97%	0	4.7E-3	0.022	0.047	0.13	0.34	0.63	1.1	1.7	0.26	0.35
AMS07	Athabasca Valley	61	95%	0	0.01	0.054	0.092	0.19	0.33	0.82	1.1	2.8	0.34	0.47
AMS08	Fort Chipewyan	44	91%	0	0	4.4E-3	0.026	0.068	0.096	0.17	0.25	0.61	0.083	0.1
AMS14	Anzac	61	100%	5.6E-3	9.7E-3	0.018	0.035	0.061	0.12	0.27	0.47	0.97	0.11	0.16
AMS21	Conklin	61	95%	0	5E-3	0.014	0.022	0.061	0.33	0.69	1.3	2.4	0.27	0.49
AMS22	Janvier	61	95%	0	2.4E-3	9.2E-3	0.018	0.057	0.11	0.18	0.24	0.35	0.075	0.077
AMS13	Fort McKay South	60	98%	3.2E-4	0.051	0.064	0.16	0.41	0.8	1.4	1.8	2.3	0.58	0.55
AMS23	Fort Hills	57	100%	0.052	0.12	0.15	0.4	0.76	1.4	3.5	5.3	6.8	1.3	1.5
AMS30	Ells River	60	100%	9.4E-3	0.027	0.045	0.12	0.25	0.65	1.1	1.8	4.5	0.49	0.69





Particulate Matter <10µm Tested For Elements - Antimony (µg/m³) - 2022

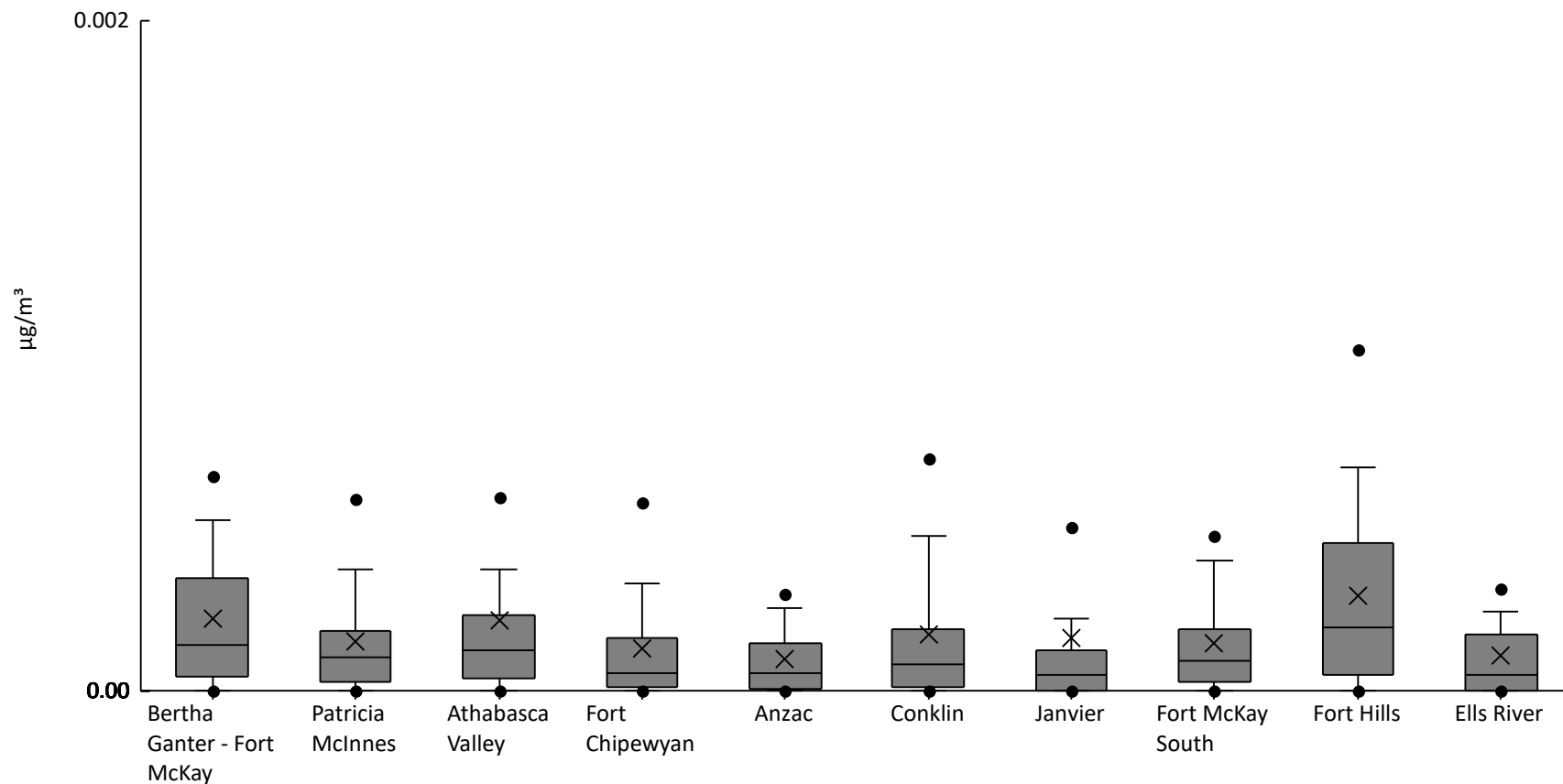
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	92%	0	1.2E-5	1.9E-5	3.6E-5	5.8E-5	1.3E-4	2.1E-4	2.7E-4	0.012	3.1E-4	1.6E-3
AMS06	Patricia McInnes	61	93%	0	1.7E-6	2.6E-5	8.1E-5	1.9E-4	2.9E-4	4.5E-4	6.9E-4	7.7E-3	3.4E-4	9.8E-4
AMS07	Athabasca Valley	61	97%	0	4.6E-5	8.3E-5	1.6E-4	3E-4	5.2E-4	6.7E-4	9.1E-4	1.8E-3	3.7E-4	3.1E-4
AMS08	Fort Chipewyan	44	75%	0	6E-6	7.9E-6	1.6E-5	2.2E-5	3.2E-5	6.1E-5	9.3E-5	1.5E-4	3.1E-5	2.8E-5
AMS14	Anzac	61	85%	0	6E-6	1.3E-5	1.9E-5	3.7E-5	6E-5	9.8E-5	1.4E-4	7.4E-4	5.7E-5	9.6E-5
AMS21	Conklin	61	93%	9E-6	1.3E-5	2.3E-5	3.3E-5	6.2E-5	1.5E-4	4E-4	6E-4	8.1E-3	2.6E-4	1E-3
AMS22	Janvier	61	85%	0	7.1E-6	9.8E-6	3.1E-5	5.3E-5	9.4E-5	1.9E-4	3E-4	7.3E-4	8.7E-5	1.1E-4
AMS13	Fort McKay South	60	95%	7E-6	1.6E-5	2.3E-5	3.4E-5	5.8E-5	8.9E-5	1.5E-4	1.9E-4	4.1E-4	7.8E-5	7.3E-5
AMS23	Fort Hills	57	95%	4E-6	1.8E-5	2.7E-5	3.9E-5	6.2E-5	9.4E-5	3.1E-4	3.4E-4	4.1E-4	9.9E-5	1E-4
AMS30	Ells River	60	83%	0	7E-6	1.2E-5	2.3E-5	4E-5	7.1E-5	1.4E-4	1.6E-4	3.6E-4	5.9E-5	6.2E-5





Particulate Matter <10µm Tested For Elements - Arsenic (µg/m³) - 2022

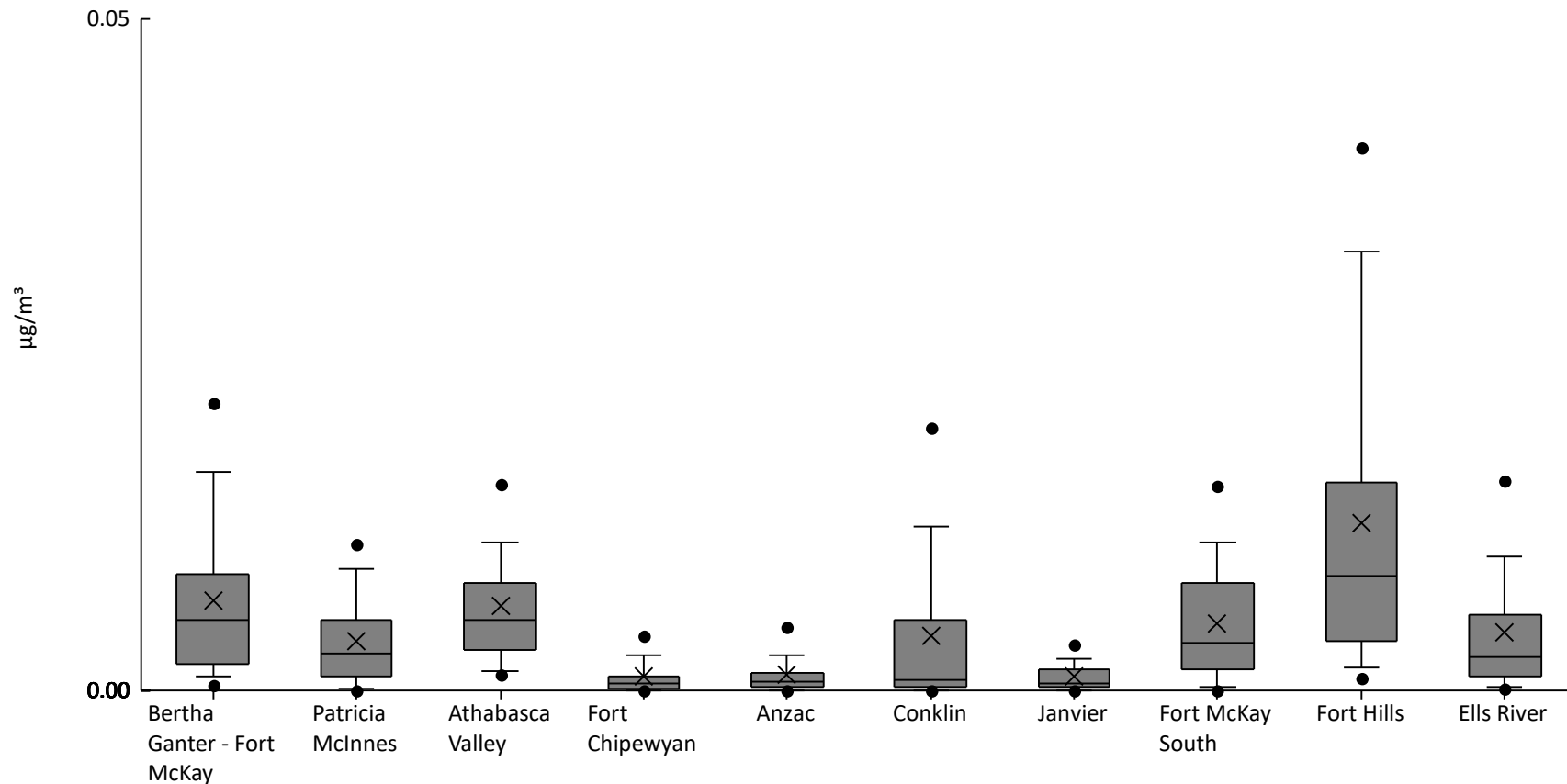
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	87%	0	0	0	4.2E-5	1.4E-4	3.4E-4	5.1E-4	6.4E-4	1.3E-3	2.1E-4	2.4E-4
AMS06	Patricia McInnes	61	77%	0	0	0	2.7E-5	1E-4	1.8E-4	3.6E-4	5.7E-4	9.6E-4	1.5E-4	1.8E-4
AMS07	Athabasca Valley	61	85%	0	0	0	3.9E-5	1.2E-4	2.3E-4	3.6E-4	5.8E-4	2.5E-3	2.1E-4	3.7E-4
AMS08	Fort Chipewyan	44	82%	0	0	0	1E-5	5.3E-5	1.6E-4	3.2E-4	5.6E-4	8.5E-4	1.3E-4	1.9E-4
AMS14	Anzac	61	75%	0	0	0	4.8E-6	5.2E-5	1.4E-4	2.5E-4	2.9E-4	6.8E-4	9.5E-5	1.2E-4
AMS21	Conklin	61	77%	0	0	0	1.3E-5	7.9E-5	1.8E-4	4.6E-4	6.9E-4	1.2E-3	1.7E-4	2.4E-4
AMS22	Janvier	61	74%	0	0	0	0	4.7E-5	1.2E-4	2.1E-4	4.9E-4	4.2E-3	1.6E-4	5.4E-4
AMS13	Fort McKay South	60	80%	0	0	0	2.5E-5	9.1E-5	1.8E-4	3.9E-4	4.6E-4	6.9E-4	1.4E-4	1.6E-4
AMS23	Fort Hills	57	81%	0	0	0	4.9E-5	1.9E-4	4.4E-4	6.7E-4	1E-3	1.3E-3	2.8E-4	3.1E-4
AMS30	Ells River	60	65%	0	0	0	0	4.9E-5	1.7E-4	2.4E-4	3.1E-4	9.4E-4	1.1E-4	1.5E-4





Particulate Matter <10µm Tested For Elements - Barium (µg/m³) - 2022

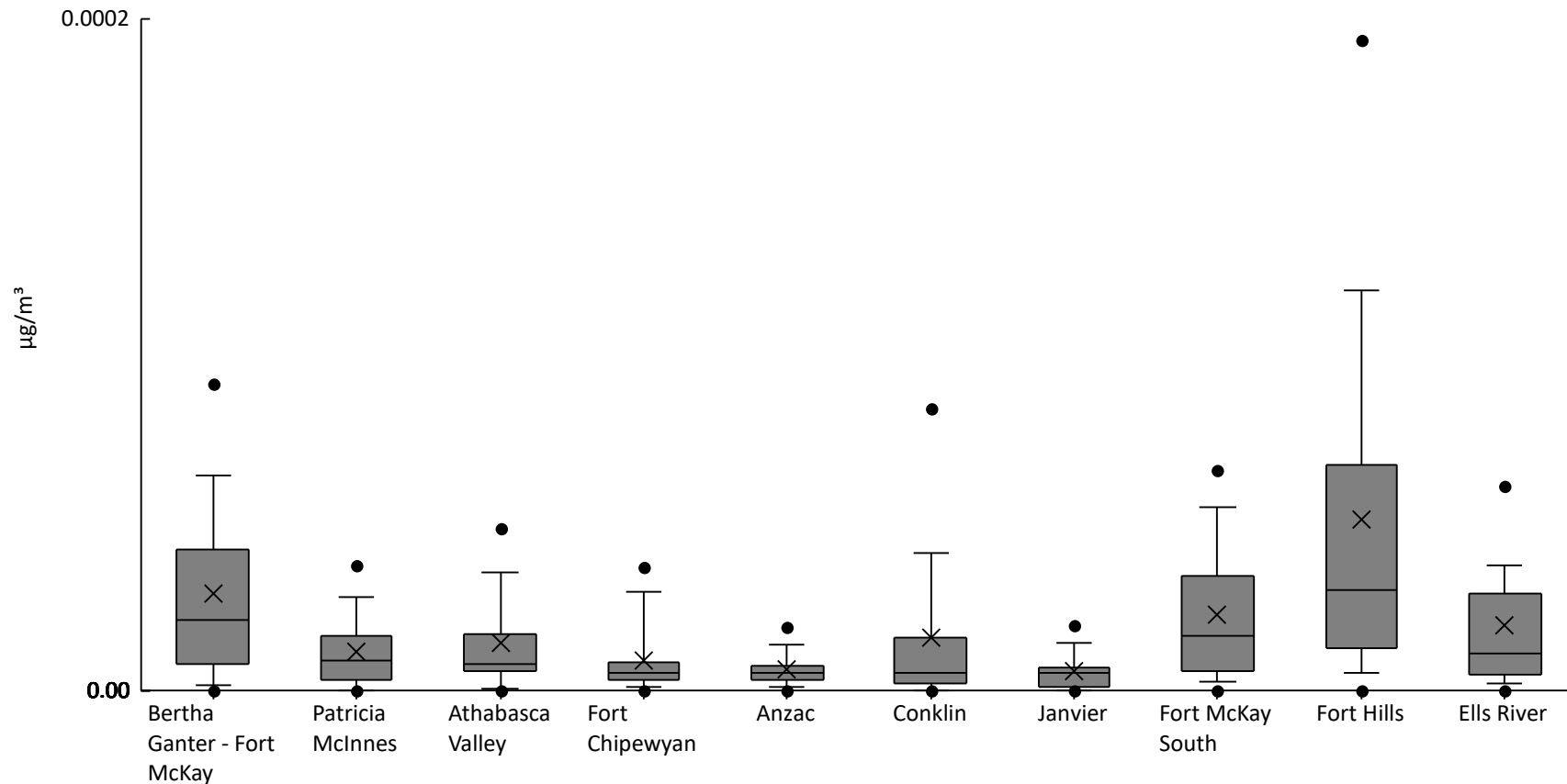
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	3.4E-4	9.9E-4	2E-3	5.3E-3	8.7E-3	0.016	0.021	0.026	6.6E-3	6.2E-3
AMS06	Patricia McInnes	61	92%	0	0	1.1E-4	1.1E-3	2.7E-3	5.2E-3	9E-3	0.011	0.014	3.7E-3	3.4E-3
AMS07	Athabasca Valley	61	98%	0	1.2E-3	1.4E-3	3E-3	5.3E-3	8E-3	0.011	0.015	0.023	6.2E-3	4.5E-3
AMS08	Fort Chipewyan	44	84%	0	0	0	1.9E-4	5.7E-4	1.1E-3	2.6E-3	4E-3	5.8E-3	9.9E-4	1.3E-3
AMS14	Anzac	61	89%	0	0	1.4E-5	3.1E-4	6.5E-4	1.3E-3	2.6E-3	4.7E-3	8.4E-3	1.1E-3	1.5E-3
AMS21	Conklin	61	89%	0	0	4.2E-5	2.9E-4	7.8E-4	5.2E-3	0.012	0.019	0.035	4.1E-3	7.3E-3
AMS22	Janvier	61	89%	0	0	2.3E-5	2.9E-4	5.8E-4	1.5E-3	2.4E-3	3.4E-3	3.9E-3	9.9E-4	9.9E-4
AMS13	Fort McKay South	60	92%	0	0	3.1E-4	1.5E-3	3.5E-3	8E-3	0.011	0.015	0.017	5E-3	4.5E-3
AMS23	Fort Hills	57	100%	2.4E-4	9.6E-4	1.6E-3	3.7E-3	8.5E-3	0.015	0.033	0.04	0.056	0.012	0.013
AMS30	Ells River	60	95%	0	7.8E-5	3E-4	1.1E-3	2.4E-3	5.7E-3	0.01	0.016	0.034	4.3E-3	5.6E-3





Particulate Matter <10µm Tested For Elements - Beryllium (µg/m³) - 2022

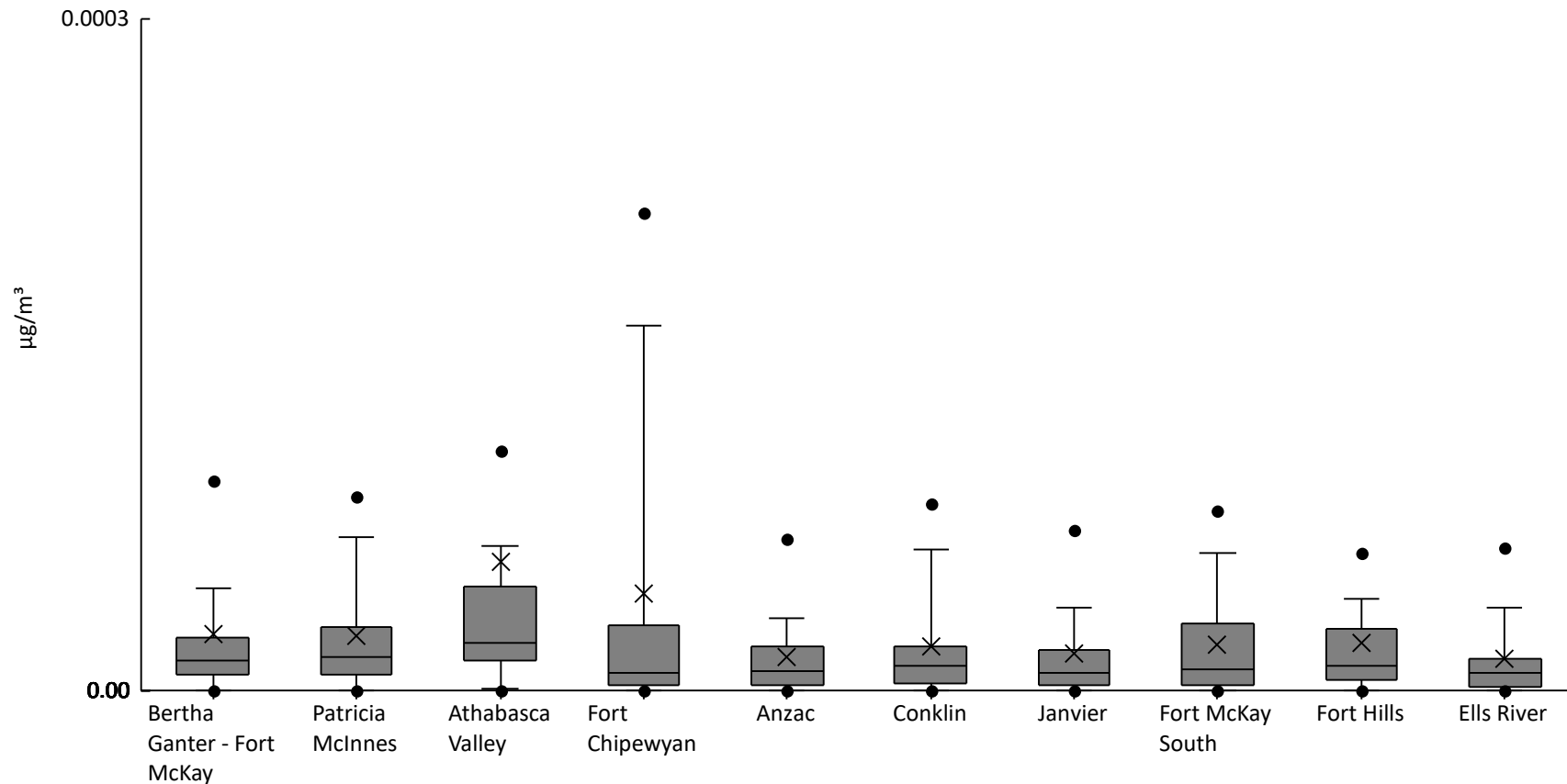
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	57%	0	0	1.8E-6	8E-6	2.1E-5	4.2E-5	6.4E-5	9.1E-5	1.1E-4	2.9E-5	2.7E-5
AMS06	Patricia McInnes	61	38%	0	0	0	3E-6	9E-6	1.6E-5	2.8E-5	3.7E-5	5.1E-5	1.2E-5	1.2E-5
AMS07	Athabasca Valley	61	36%	0	0	6E-7	6E-6	8E-6	1.7E-5	3.5E-5	4.8E-5	8.2E-5	1.4E-5	1.6E-5
AMS08	Fort Chipewyan	44	20%	0	0	1E-6	3E-6	5E-6	8.5E-6	3E-5	3.7E-5	4.6E-5	8.9E-6	1.1E-5
AMS14	Anzac	61	11%	0	0	1E-6	3E-6	5E-6	7.3E-6	1.3E-5	1.9E-5	2.6E-5	6.2E-6	5.5E-6
AMS21	Conklin	61	31%	0	0	0	2E-6	5E-6	1.6E-5	4.1E-5	8.4E-5	1.4E-4	1.6E-5	2.9E-5
AMS22	Janvier	61	13%	0	0	0	1E-6	5E-6	7E-6	1.4E-5	2E-5	3E-5	5.9E-6	6.4E-6
AMS13	Fort McKay South	60	58%	0	0	2.5E-6	6E-6	1.7E-5	3.4E-5	5.5E-5	6.6E-5	9.2E-5	2.2E-5	2.1E-5
AMS23	Fort Hills	57	72%	0	0	5E-6	1.3E-5	3E-5	6.7E-5	1.2E-4	1.9E-4	2.4E-4	5.1E-5	5.6E-5
AMS30	Ells River	60	43%	0	0	2E-6	4.5E-6	1.1E-5	2.9E-5	3.8E-5	6.1E-5	1.7E-4	1.9E-5	2.6E-5





Particulate Matter <10µm Tested For Elements - Bismuth (µg/m³) - 2022

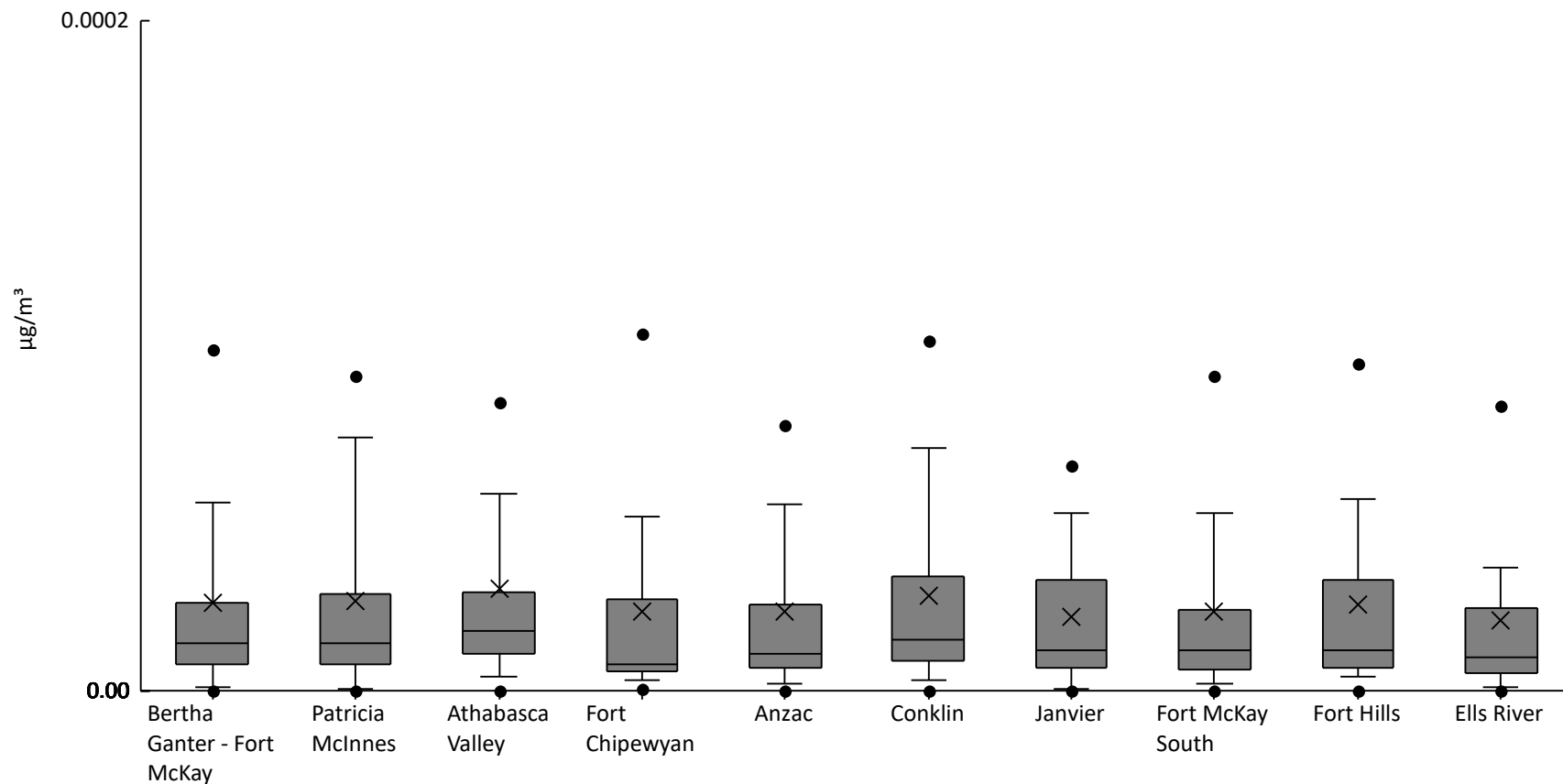
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	80%	0	0	0	6.8E-6	1.3E-5	2.3E-5	4.6E-5	9.4E-5	3.6E-4	2.5E-5	5E-5
AMS06	Patricia McInnes	61	82%	0	0	0	6.8E-6	1.5E-5	2.8E-5	6.9E-5	8.7E-5	1.2E-4	2.5E-5	2.7E-5
AMS07	Athabasca Valley	61	89%	0	0	6E-7	1.3E-5	2.1E-5	4.7E-5	6.4E-5	1.1E-4	1.1E-3	5.7E-5	1.6E-4
AMS08	Fort Chipewyan	44	68%	0	0	0	2.5E-6	8E-6	3E-5	1.6E-4	2.1E-4	4.2E-4	4.3E-5	8.4E-5
AMS14	Anzac	61	70%	0	0	0	2.8E-6	9E-6	2E-5	3.3E-5	6.7E-5	1E-4	1.5E-5	2.1E-5
AMS21	Conklin	61	70%	0	0	0	3E-6	1.1E-5	2E-5	6.3E-5	8.4E-5	1.5E-4	1.9E-5	2.8E-5
AMS22	Janvier	61	67%	0	0	0	2.8E-6	8E-6	1.8E-5	3.7E-5	7.1E-5	1.6E-4	1.6E-5	2.7E-5
AMS13	Fort McKay South	60	72%	0	0	0	2E-6	9.5E-6	3E-5	6.2E-5	8.1E-5	1.1E-4	2.1E-5	2.6E-5
AMS23	Fort Hills	57	81%	0	0	0	5E-6	1.1E-5	2.8E-5	4.1E-5	6.1E-5	2.3E-4	2.1E-5	3.4E-5
AMS30	Ells River	60	62%	0	0	0	1.5E-6	8E-6	1.5E-5	3.7E-5	6.4E-5	9.6E-5	1.4E-5	2.1E-5





Particulate Matter <10µm Tested For Elements - Cadmium (µg/m³) - 2022

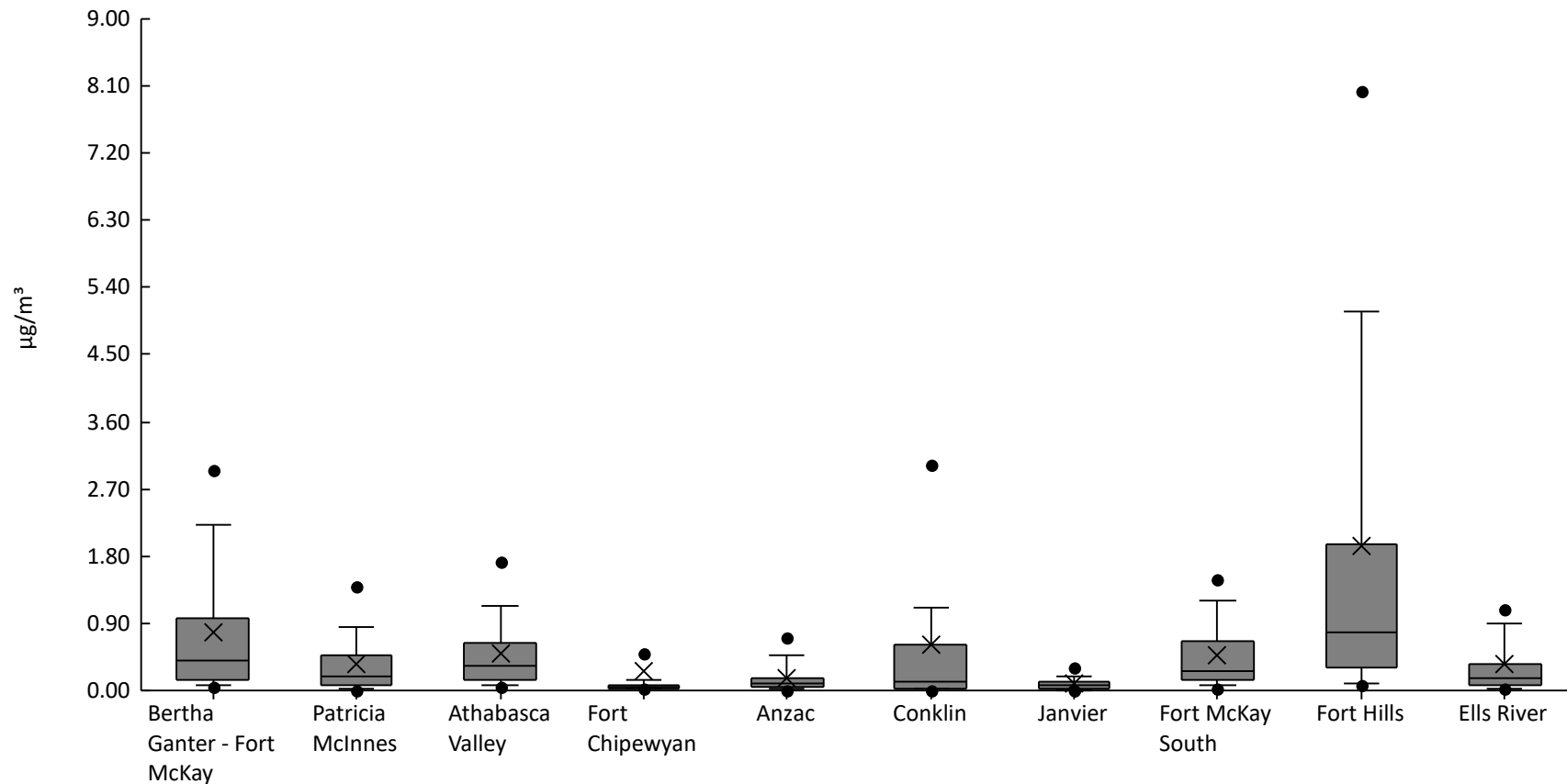
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	61%	0	0	1.2E-6	8E-6	1.4E-5	2.6E-5	5.6E-5	1E-4	2.4E-4	2.6E-5	3.8E-5
AMS06	Patricia McInnes	61	70%	0	0	6E-7	8E-6	1.4E-5	2.9E-5	7.6E-5	9.4E-5	1.8E-4	2.7E-5	3.3E-5
AMS07	Athabasca Valley	61	77%	0	0	4E-6	1.1E-5	1.8E-5	2.9E-5	5.9E-5	8.6E-5	3E-4	3.1E-5	4.6E-5
AMS08	Fort Chipewyan	44	43%	0	7E-7	2.9E-6	6E-6	8E-6	2.8E-5	5.2E-5	1.1E-4	1.7E-4	2.3E-5	3.6E-5
AMS14	Anzac	61	51%	0	0	2E-6	7E-6	1.1E-5	2.6E-5	5.6E-5	7.9E-5	2.2E-4	2.3E-5	3.5E-5
AMS21	Conklin	61	66%	0	0	3E-6	8.8E-6	1.5E-5	3.4E-5	7.2E-5	1E-4	1.9E-4	2.9E-5	3.5E-5
AMS22	Janvier	61	59%	0	0	6E-7	7E-6	1.2E-5	3.3E-5	5.3E-5	6.7E-5	1.1E-4	2.2E-5	2.4E-5
AMS13	Fort McKay South	60	57%	0	0	2E-6	6.5E-6	1.2E-5	2.4E-5	5.3E-5	9.4E-5	2E-4	2.4E-5	3.4E-5
AMS23	Fort Hills	57	54%	0	0	4E-6	7E-6	1.2E-5	3.3E-5	5.7E-5	9.8E-5	2E-4	2.6E-5	3.5E-5
AMS30	Ells River	60	48%	0	0	1E-6	5E-6	1E-5	2.5E-5	3.7E-5	8.5E-5	2E-4	2.1E-5	3.3E-5





Particulate Matter <10µm Tested For Elements - Calcium (µg/m³) - 2022

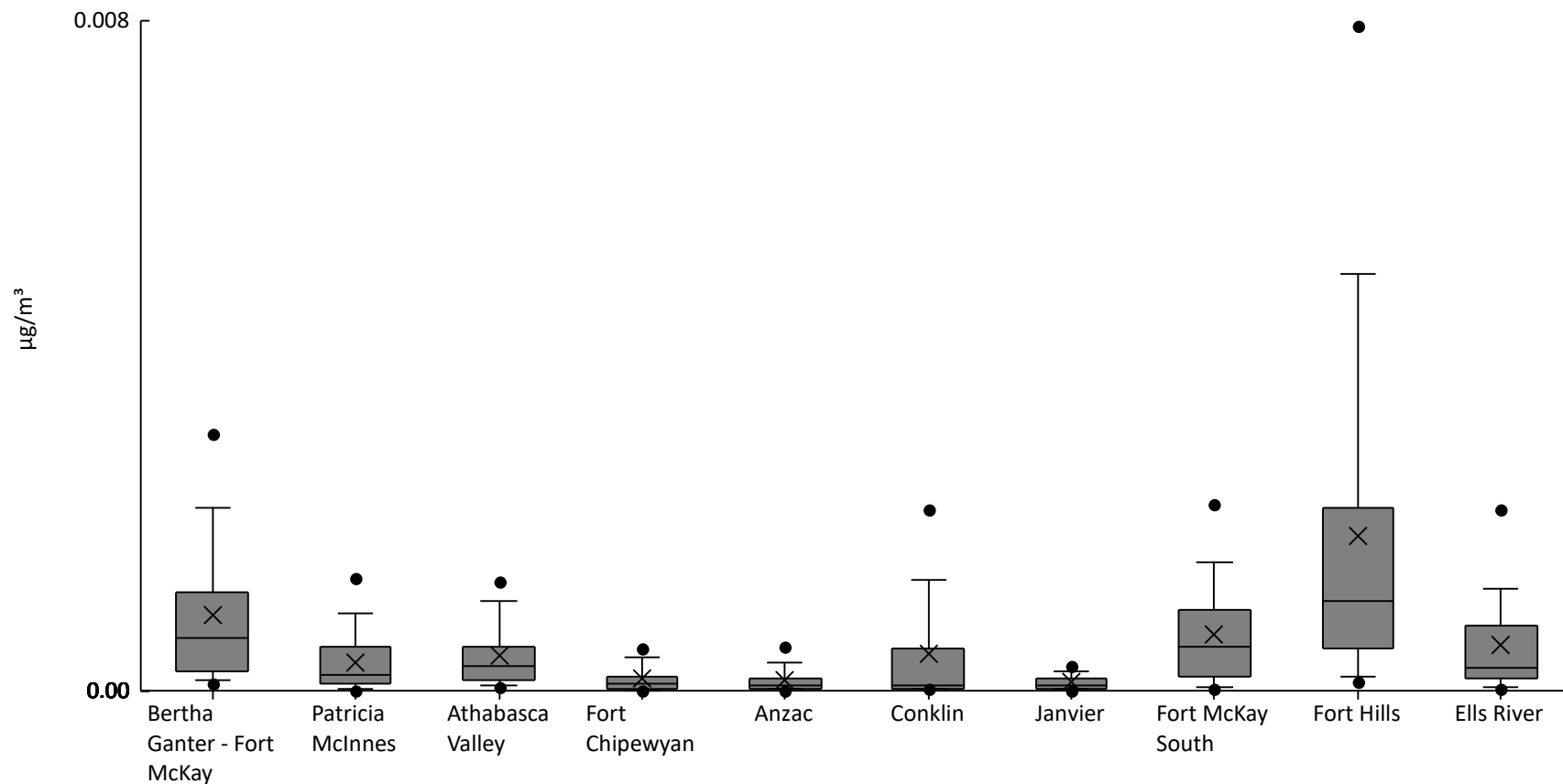
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.038	0.076	0.15	0.4	0.96	2.2	3	4.2	0.77	0.92
AMS06	Patricia McInnes	61	90%	0	0	0.013	0.071	0.19	0.48	0.84	1.4	2.4	0.36	0.47
AMS07	Athabasca Valley	61	98%	0	0.044	0.078	0.15	0.34	0.65	1.1	1.7	3.5	0.5	0.58
AMS08	Fort Chipewyan	44	98%	7.6E-3	0.018	0.021	0.034	0.045	0.074	0.15	0.5	7.6	0.25	1.1
AMS14	Anzac	61	90%	0	7E-4	0.018	0.051	0.09	0.17	0.46	0.72	0.81	0.16	0.2
AMS21	Conklin	61	90%	0	0	0.013	0.032	0.12	0.63	1.1	3	7.9	0.62	1.5
AMS22	Janvier	61	89%	0	0	0	0.032	0.059	0.13	0.18	0.3	0.35	0.088	0.083
AMS13	Fort McKay South	60	98%	1.6E-3	0.03	0.07	0.14	0.26	0.67	1.2	1.5	2.1	0.46	0.5
AMS23	Fort Hills	57	98%	9.6E-3	0.065	0.098	0.32	0.77	2	5.1	8	20	1.9	3.3
AMS30	Ells River	60	95%	0	0.017	0.026	0.064	0.16	0.36	0.89	1.1	4.6	0.36	0.65





Particulate Matter <10µm Tested For Elements - Cerium (µg/m³) - 2022

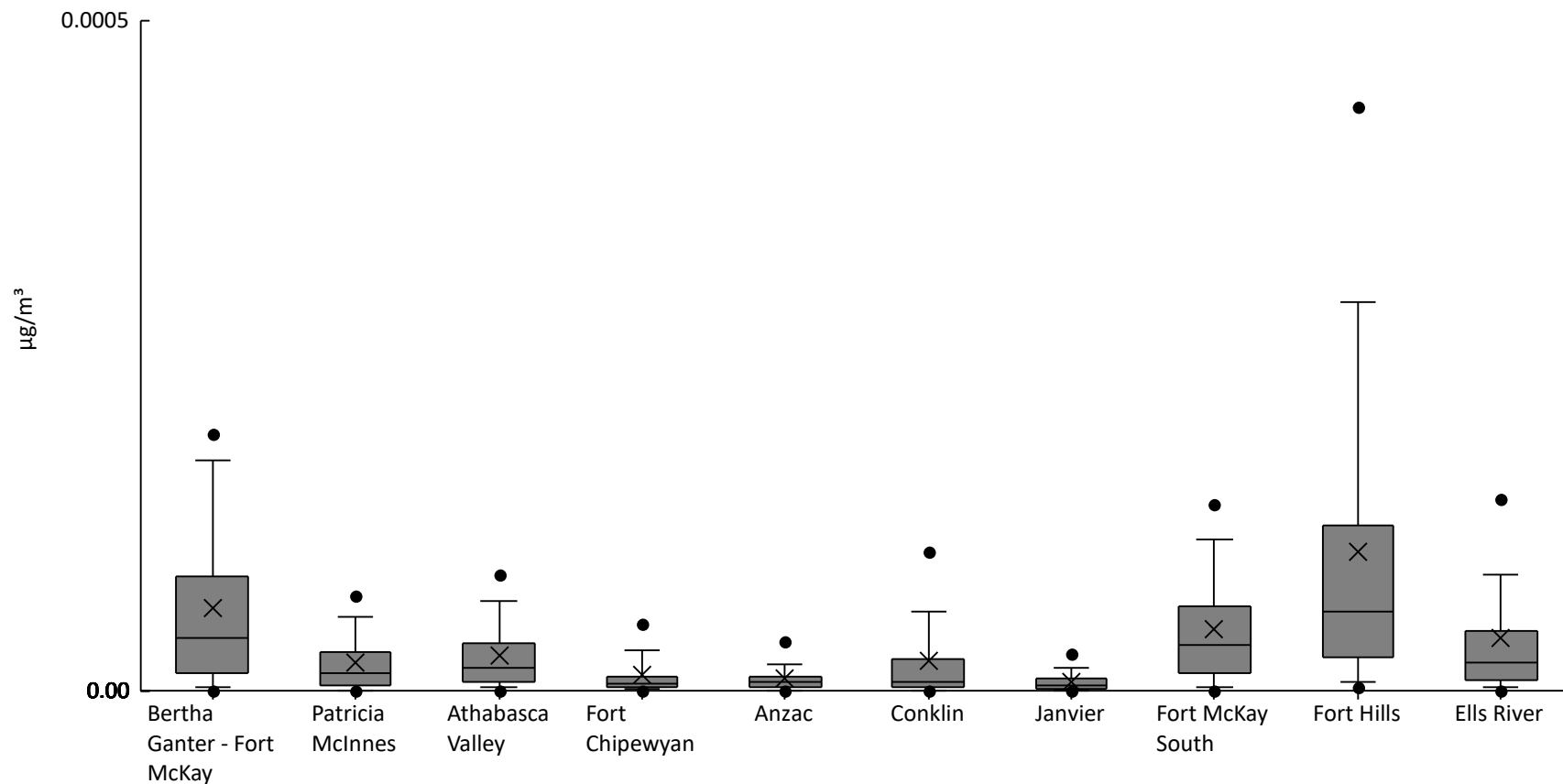
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	8.5E-5	1.2E-4	2.2E-4	6.4E-4	1.2E-3	2.2E-3	3.1E-3	4.2E-3	9E-4	9.2E-4
AMS06	Patricia McInnes	61	92%	0	3.2E-6	2.6E-5	7.5E-5	1.8E-4	5.2E-4	9.2E-4	1.3E-3	1.6E-3	3.4E-4	4E-4
AMS07	Athabasca Valley	61	97%	0	3.4E-5	6.7E-5	1.3E-4	2.9E-4	5.3E-4	1.1E-3	1.3E-3	2.9E-3	4.3E-4	5E-4
AMS08	Fort Chipewyan	44	82%	0	2.4E-6	3.9E-6	2.6E-5	8.6E-5	1.8E-4	4E-4	5.1E-4	8.6E-4	1.4E-4	1.8E-4
AMS14	Anzac	61	92%	0	8E-6	1.6E-5	2.8E-5	5.7E-5	1.4E-4	3.3E-4	5.3E-4	9.6E-4	1.3E-4	1.7E-4
AMS21	Conklin	61	89%	4E-6	1.1E-5	1.3E-5	2.2E-5	7.2E-5	5.1E-4	1.3E-3	2.2E-3	4.4E-3	4.5E-4	8.7E-4
AMS22	Janvier	61	90%	0	4.9E-6	1.3E-5	2.1E-5	5.7E-5	1.5E-4	2.3E-4	2.9E-4	5.8E-4	9.6E-5	1E-4
AMS13	Fort McKay South	60	98%	1.1E-5	2.6E-5	5.1E-5	1.7E-4	5.4E-4	9.6E-4	1.5E-3	2.2E-3	2.5E-3	6.6E-4	6.4E-4
AMS23	Fort Hills	57	100%	5.3E-5	1.1E-4	1.7E-4	5E-4	1.1E-3	2.2E-3	5E-3	7.9E-3	9.2E-3	1.9E-3	2.2E-3
AMS30	Ells River	60	97%	3E-6	1.9E-5	4.3E-5	1.4E-4	2.8E-4	7.7E-4	1.2E-3	2.2E-3	4.8E-3	5.5E-4	7.8E-4





Particulate Matter <10µm Tested For Elements - Cesium (µg/m³) - 2022

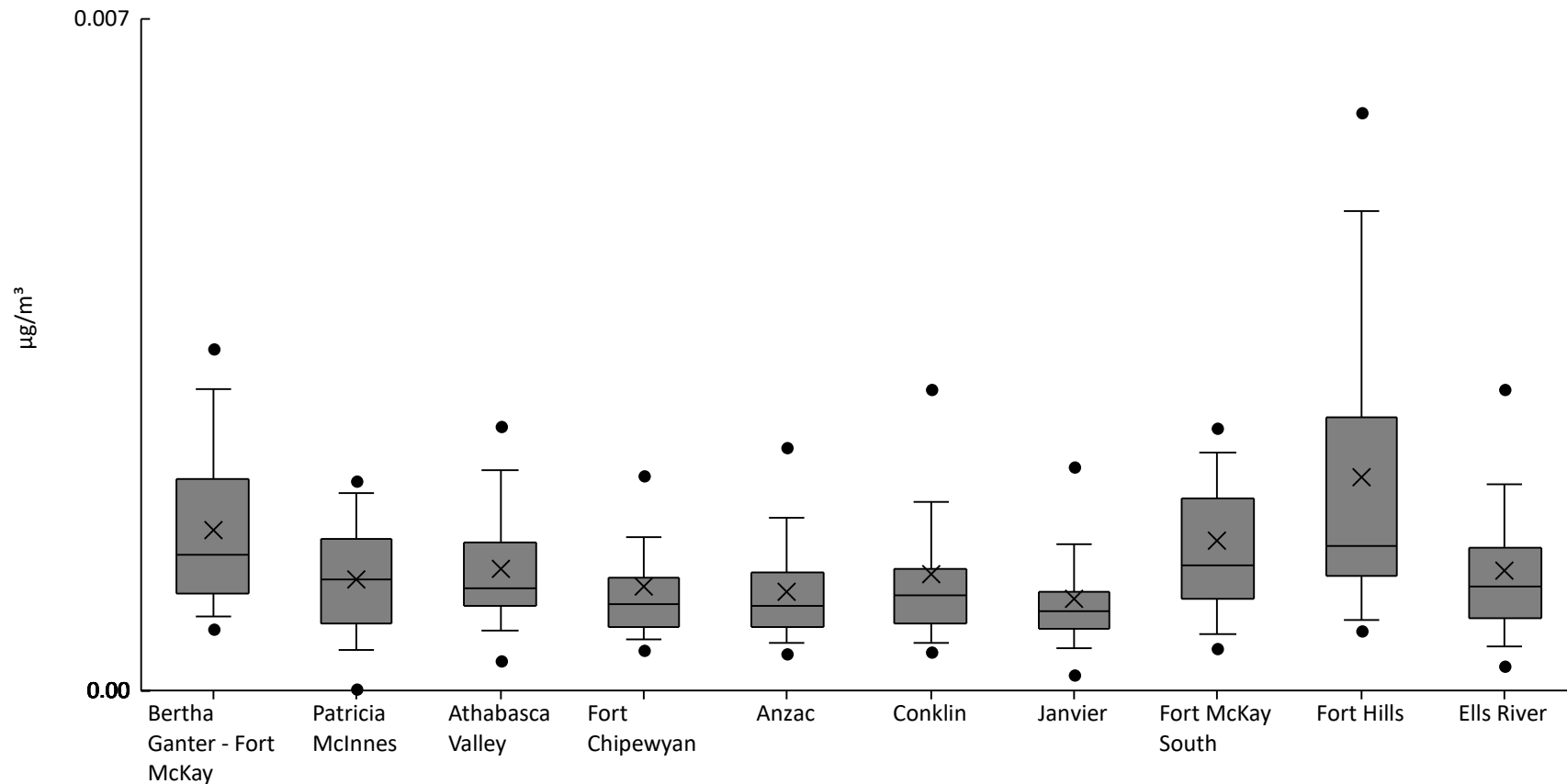
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	90%	0	0	2.8E-6	1.4E-5	4E-5	8.5E-5	1.7E-4	1.9E-4	2.4E-4	6.1E-5	6.2E-5
AMS06	Patricia McInnes	61	77%	0	0	0	4E-6	1.3E-5	2.9E-5	5.5E-5	7.1E-5	1.3E-4	2.1E-5	2.5E-5
AMS07	Athabasca Valley	61	89%	0	0	2.2E-6	7E-6	1.7E-5	3.6E-5	6.7E-5	8.6E-5	1.2E-4	2.6E-5	2.8E-5
AMS08	Fort Chipewyan	44	68%	0	0	9E-7	2.5E-6	5E-6	1E-5	3E-5	5E-5	9.7E-5	1.2E-5	1.8E-5
AMS14	Anzac	61	72%	0	0	6E-7	3E-6	6E-6	1E-5	1.9E-5	3.6E-5	4.6E-5	9E-6	9.8E-6
AMS21	Conklin	61	64%	0	0	0	2E-6	6E-6	2.4E-5	5.8E-5	1E-4	2.3E-4	2.3E-5	4.2E-5
AMS22	Janvier	61	56%	0	0	0	1.8E-6	4E-6	9E-6	1.7E-5	2.8E-5	4.2E-5	7.1E-6	9E-6
AMS13	Fort McKay South	60	88%	0	0	3E-6	1.3E-5	3.4E-5	6.3E-5	1.1E-4	1.4E-4	1.6E-4	4.6E-5	4.3E-5
AMS23	Fort Hills	57	95%	0	2.1E-6	7.2E-6	2.5E-5	5.9E-5	1.2E-4	2.9E-4	4.4E-4	5.1E-4	1E-4	1.2E-4
AMS30	Ells River	60	85%	0	0	2E-6	8.5E-6	2.2E-5	4.5E-5	8.7E-5	1.4E-4	4.5E-4	4E-5	6.6E-5





Particulate Matter <10µm Tested For Elements - Chromium (µg/m³) - 2022

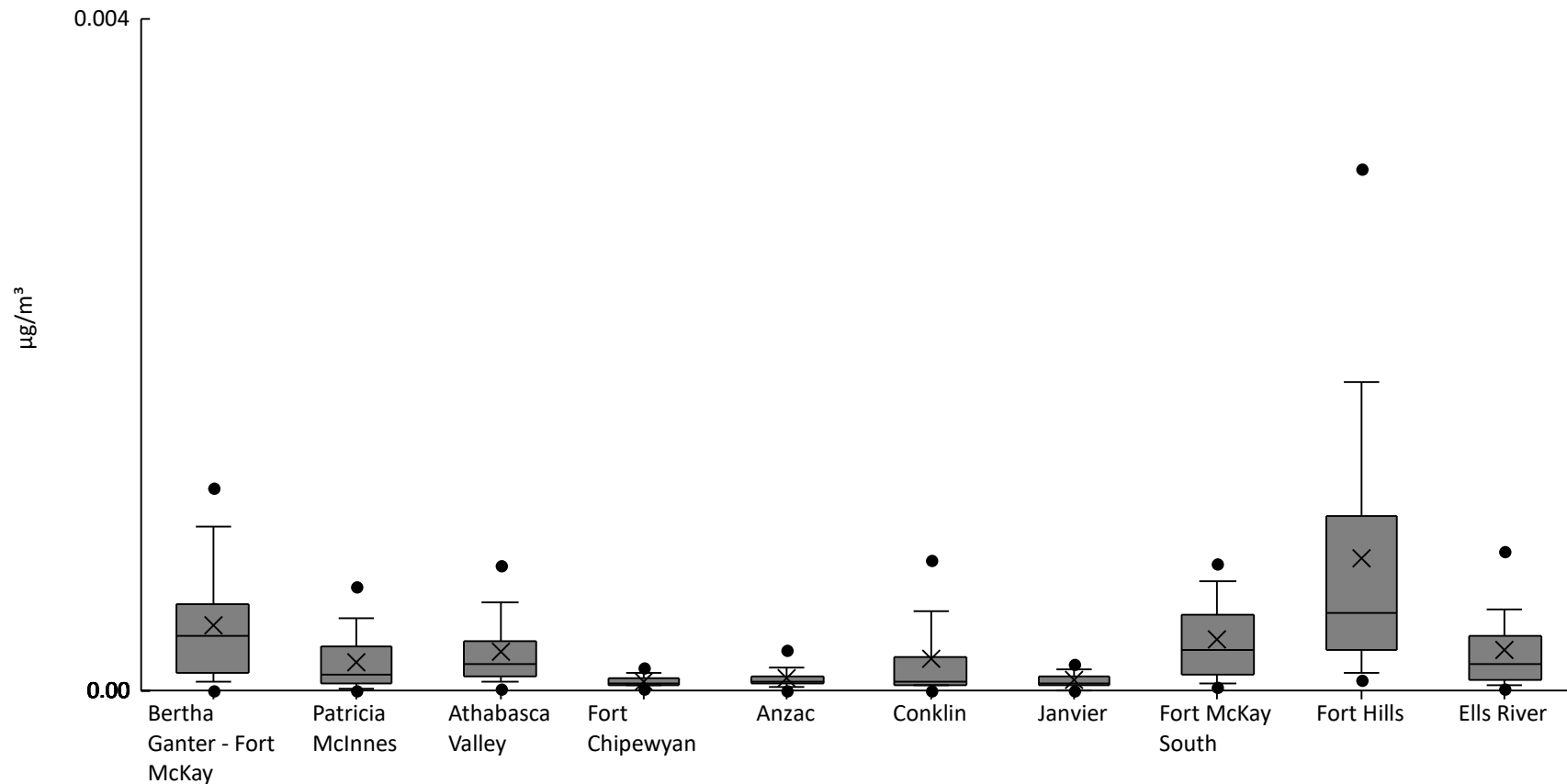
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	7E-6	6.5E-4	7.7E-4	1E-3	1.4E-3	2.2E-3	3.1E-3	3.6E-3	3.9E-3	1.7E-3	8.9E-4
AMS06	Patricia McInnes	61	93%	0	2E-5	4.3E-4	7E-4	1.2E-3	1.6E-3	2E-3	2.2E-3	2.5E-3	1.2E-3	6.1E-4
AMS07	Athabasca Valley	61	97%	0	3.1E-4	6.2E-4	8.8E-4	1.1E-3	1.5E-3	2.3E-3	2.8E-3	4.2E-3	1.3E-3	7.6E-4
AMS08	Fort Chipewyan	44	100%	3E-4	4.3E-4	5.4E-4	6.6E-4	9E-4	1.2E-3	1.6E-3	2.2E-3	5.3E-3	1.1E-3	8.1E-4
AMS14	Anzac	61	98%	1.5E-5	3.8E-4	5.1E-4	6.5E-4	8.9E-4	1.2E-3	1.8E-3	2.5E-3	2.9E-3	1E-3	5.8E-4
AMS21	Conklin	61	98%	1.7E-5	4E-4	4.9E-4	7E-4	1E-3	1.3E-3	2E-3	3.1E-3	6.3E-3	1.2E-3	9.9E-4
AMS22	Janvier	61	95%	0	1.7E-4	4.3E-4	6.5E-4	8.3E-4	1E-3	1.5E-3	2.3E-3	4.8E-3	9.5E-4	7E-4
AMS13	Fort McKay South	60	98%	0	4.4E-4	5.9E-4	9.6E-4	1.3E-3	2E-3	2.5E-3	2.7E-3	7.1E-3	1.6E-3	1.1E-3
AMS23	Fort Hills	57	100%	4.5E-4	6.2E-4	7.4E-4	1.2E-3	1.5E-3	2.8E-3	5E-3	6E-3	7.1E-3	2.2E-3	1.7E-3
AMS30	Ells River	60	97%	0	2.6E-4	4.7E-4	7.5E-4	1.1E-3	1.5E-3	2.1E-3	3.1E-3	4.7E-3	1.2E-3	8.3E-4





Particulate Matter <10µm Tested For Elements - Cobalt (µg/m³) - 2022

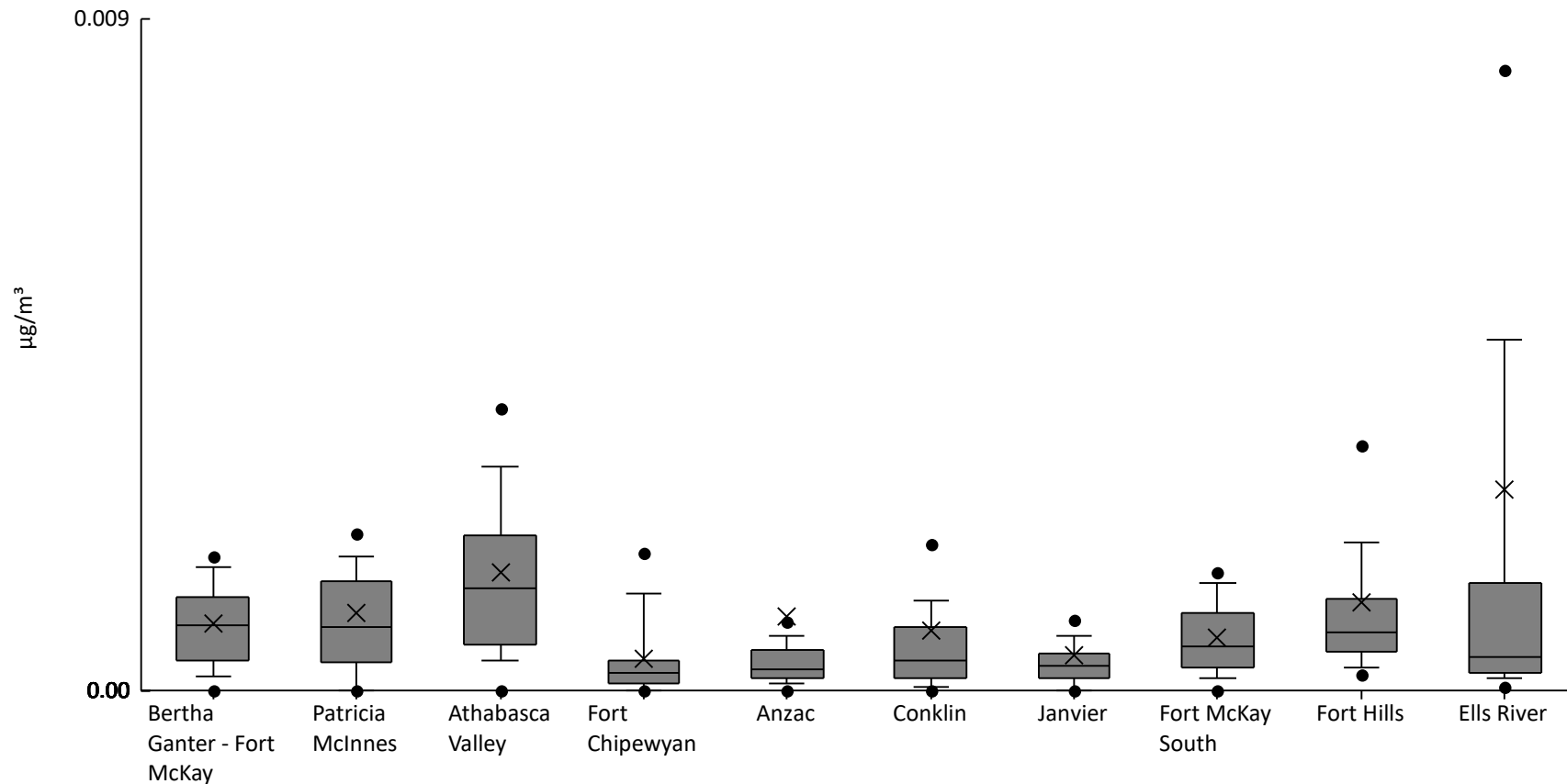
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	4.8E-5	1E-4	3.2E-4	5.2E-4	9.7E-4	1.2E-3	1.4E-3	3.9E-4	3.6E-4
AMS06	Patricia McInnes	61	90%	0	0	5.4E-6	4.6E-5	9.5E-5	2.6E-4	4.3E-4	6.2E-4	7.4E-4	1.7E-4	1.8E-4
AMS07	Athabasca Valley	61	95%	0	7.2E-6	5.2E-5	8.7E-5	1.6E-4	3E-4	5.3E-4	7.5E-4	9.1E-4	2.3E-4	2.1E-4
AMS08	Fort Chipewyan	44	95%	0	1.5E-5	2.7E-5	3.5E-5	4.4E-5	7E-5	1E-4	1.4E-4	2E-4	5.7E-5	3.8E-5
AMS14	Anzac	61	93%	0	0	2.2E-5	3.9E-5	5.5E-5	8.3E-5	1.3E-4	2.4E-4	3.9E-4	7.4E-5	7.2E-5
AMS21	Conklin	61	93%	0	0	2.7E-5	3.3E-5	5.5E-5	2E-4	4.7E-4	7.8E-4	1.9E-3	1.9E-4	3.4E-4
AMS22	Janvier	61	89%	0	0	0	3.1E-5	4.6E-5	7.9E-5	1.2E-4	1.6E-4	2.1E-4	5.9E-5	4.6E-5
AMS13	Fort McKay South	60	97%	0	2.4E-5	4E-5	9E-5	2.4E-4	4.5E-4	6.6E-4	7.6E-4	1.1E-3	3E-4	2.6E-4
AMS23	Fort Hills	57	98%	0	6.3E-5	1.1E-4	2.4E-4	4.6E-4	1E-3	1.8E-3	3.1E-3	3.9E-3	7.9E-4	8.8E-4
AMS30	Ells River	60	95%	0	7.5E-6	3.7E-5	6.3E-5	1.6E-4	3.2E-4	4.8E-4	8.3E-4	2E-3	2.4E-4	3.1E-4





Particulate Matter <10µm Tested For Elements - Copper (µg/m³) - 2022

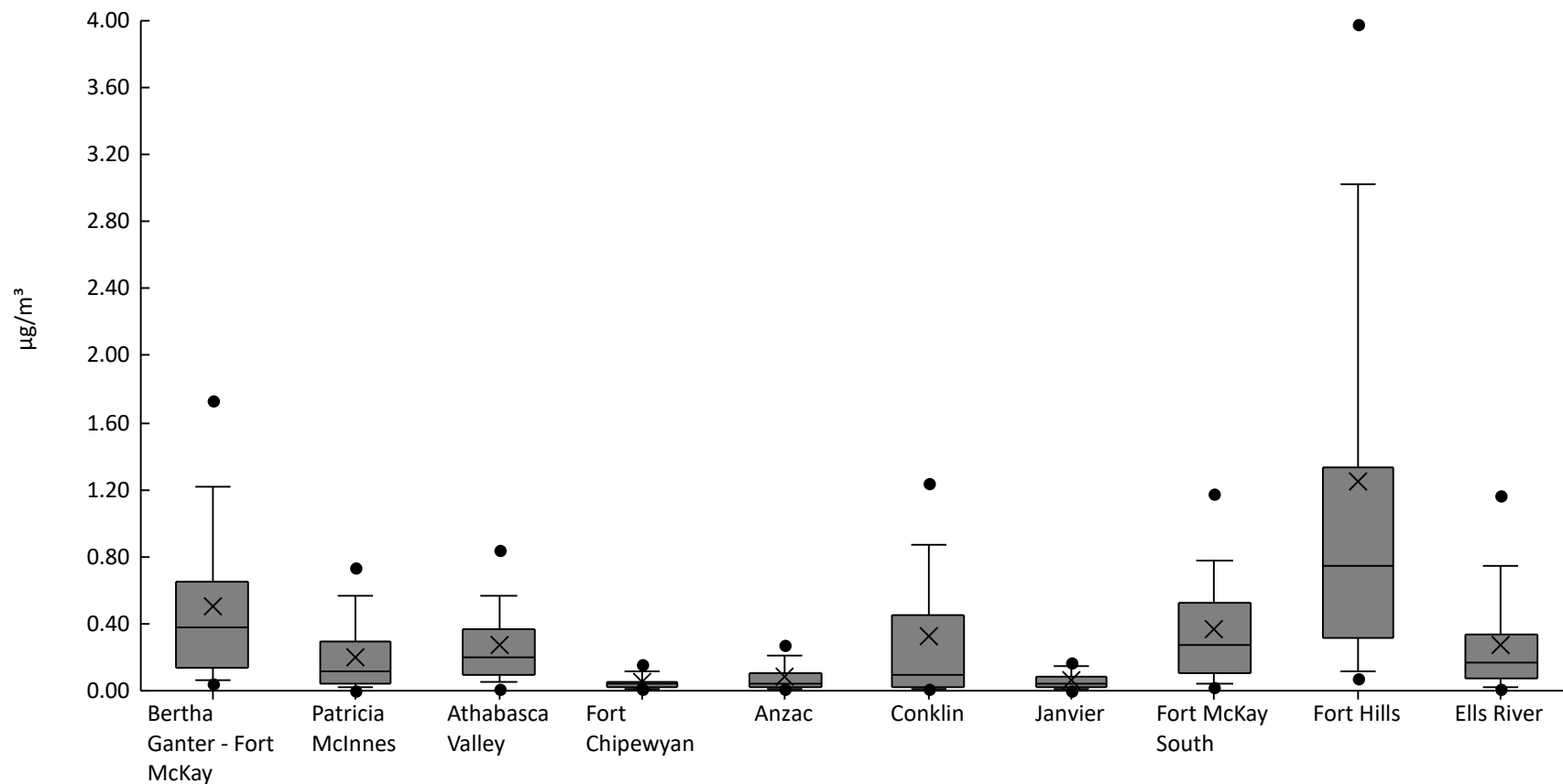
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	4.7E-6	1.8E-4	4E-4	8.7E-4	1.2E-3	1.7E-3	1.8E-3	4E-3	8.9E-4	6.7E-4
AMS06	Patricia McInnes	61	87%	0	0	0	3.9E-4	8.5E-4	1.5E-3	1.8E-3	2.1E-3	6.4E-3	1E-3	1E-3
AMS07	Athabasca Valley	61	93%	0	0	4E-4	6E-4	1.4E-3	2.1E-3	3E-3	3.8E-3	6.2E-3	1.6E-3	1.2E-3
AMS08	Fort Chipewyan	44	86%	0	0	0	9.7E-5	2.4E-4	4.1E-4	1.3E-3	1.8E-3	3.1E-3	4.3E-4	6.2E-4
AMS14	Anzac	61	93%	0	0	1E-4	1.8E-4	2.7E-4	5.5E-4	7.3E-4	9.1E-4	0.035	9.9E-4	4.5E-3
AMS21	Conklin	61	92%	0	0	5E-5	1.7E-4	4.1E-4	8.5E-4	1.2E-3	2E-3	0.016	8E-4	2E-3
AMS22	Janvier	61	87%	0	0	0	1.7E-4	3.2E-4	4.9E-4	7.3E-4	9.4E-4	7.7E-3	4.7E-4	9.8E-4
AMS13	Fort McKay South	60	93%	0	0	1.5E-4	3.2E-4	5.9E-4	1E-3	1.4E-3	1.6E-3	2E-3	7.1E-4	4.9E-4
AMS23	Fort Hills	57	98%	5E-6	2.2E-4	3.1E-4	5.3E-4	7.8E-4	1.2E-3	2E-3	3.3E-3	0.011	1.2E-3	1.5E-3
AMS30	Ells River	60	97%	0	5.2E-5	1.6E-4	2.3E-4	4.5E-4	1.4E-3	4.7E-3	8.3E-3	0.074	2.7E-3	9.8E-3





Particulate Matter <10µm Tested For Elements - Iron (µg/m³) - 2022

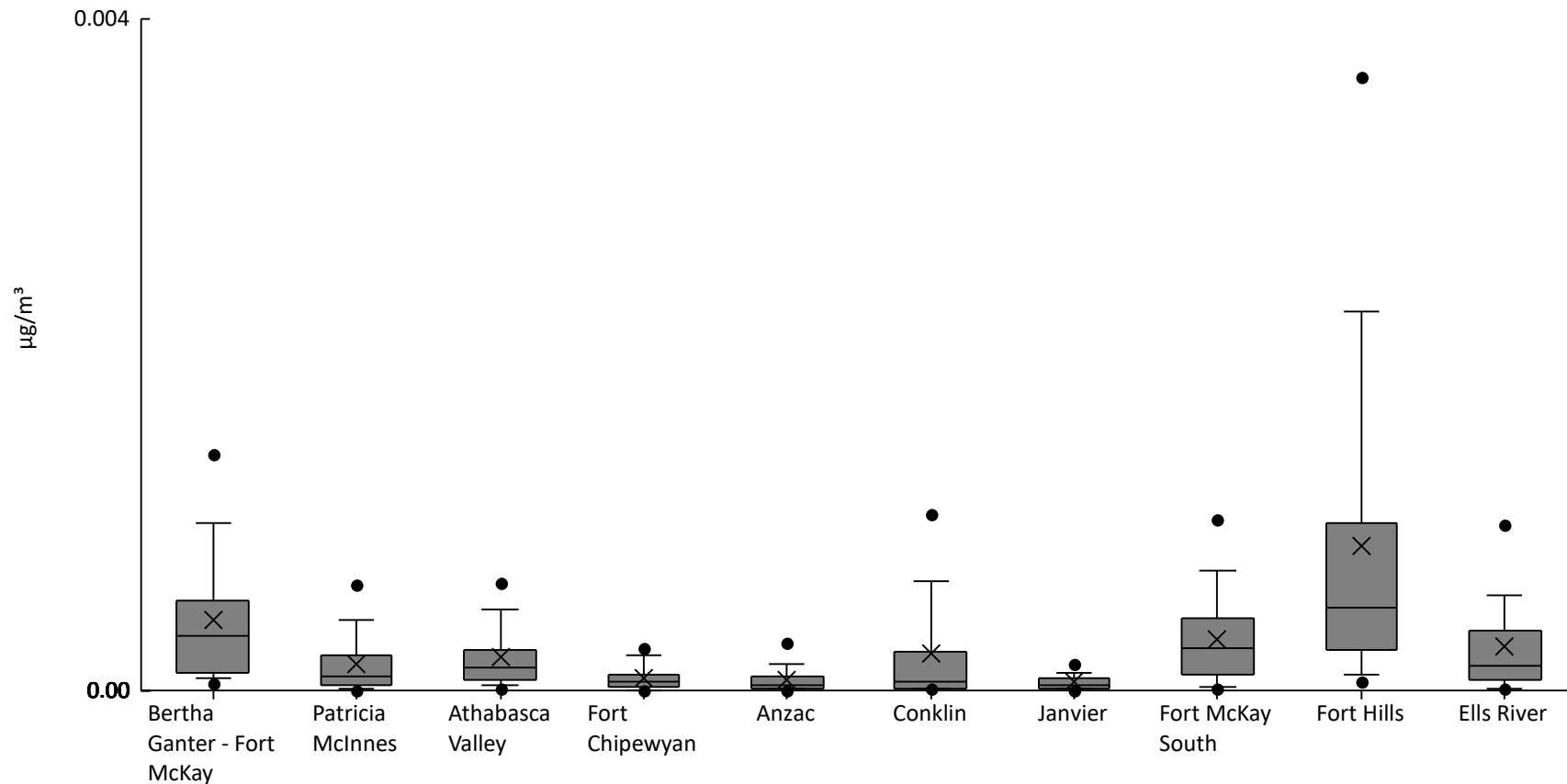
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	3.9E-4	0.037	0.06	0.14	0.37	0.65	1.2	1.7	1.9	0.5	0.49
AMS06	Patricia McInnes	61	93%	1.4E-4	1E-3	0.018	0.037	0.11	0.3	0.57	0.74	0.84	0.2	0.22
AMS07	Athabasca Valley	61	95%	2.2E-4	0.015	0.055	0.094	0.2	0.36	0.57	0.84	1.2	0.27	0.26
AMS08	Fort Chipewyan	44	100%	2.7E-3	8.4E-3	0.011	0.017	0.038	0.051	0.12	0.16	0.32	0.049	0.055
AMS14	Anzac	61	98%	7.4E-4	0.011	0.015	0.024	0.041	0.1	0.2	0.27	0.54	0.081	0.094
AMS21	Conklin	61	98%	1.5E-3	0.01	0.013	0.023	0.089	0.45	0.87	1.2	3.1	0.32	0.59
AMS22	Janvier	61	95%	3.3E-4	3.7E-3	0.011	0.018	0.039	0.087	0.14	0.17	0.25	0.06	0.055
AMS13	Fort McKay South	60	98%	0	0.018	0.037	0.11	0.27	0.52	0.78	1.2	1.4	0.37	0.34
AMS23	Fort Hills	57	100%	0.036	0.077	0.12	0.31	0.74	1.3	3	4	8.3	1.2	1.5
AMS30	Ells River	60	97%	0	8.8E-3	0.02	0.071	0.17	0.33	0.74	1.2	1.4	0.28	0.33





Particulate Matter <10µm Tested For Elements - Lanthanum (µg/m³) - 2022

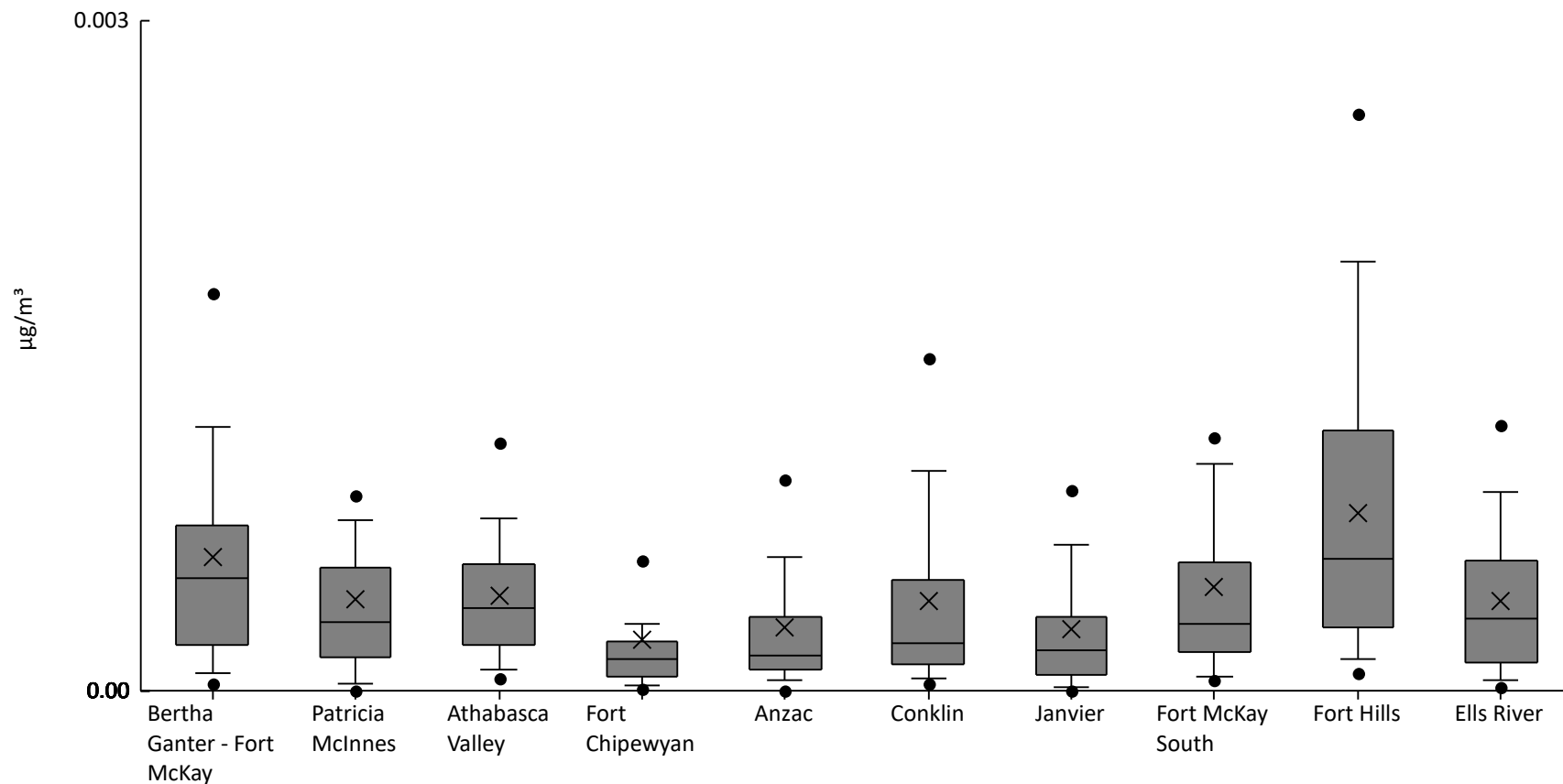
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	3.9E-5	7.2E-5	1.1E-4	3.3E-4	5.4E-4	1E-3	1.4E-3	1.9E-3	4.1E-4	4.1E-4
AMS06	Patricia McInnes	61	92%	0	0	1.3E-5	3.3E-5	8.4E-5	2.1E-4	4.2E-4	6.3E-4	8E-4	1.6E-4	1.9E-4
AMS07	Athabasca Valley	61	97%	0	1.5E-5	3.3E-5	5.8E-5	1.3E-4	2.5E-4	4.9E-4	6.4E-4	1.3E-3	2E-4	2.3E-4
AMS08	Fort Chipewyan	44	91%	0	1.7E-6	3.9E-6	1.8E-5	4.8E-5	9.1E-5	2.1E-4	2.5E-4	4.4E-4	7.3E-5	8.7E-5
AMS14	Anzac	61	93%	0	2.6E-6	9E-6	1.5E-5	3.4E-5	8.4E-5	1.6E-4	2.8E-4	4.1E-4	6.7E-5	8.2E-5
AMS21	Conklin	61	97%	2E-6	6.6E-6	8.6E-6	1.4E-5	5.4E-5	2.3E-4	6.5E-4	1E-3	2.1E-3	2.2E-4	4.1E-4
AMS22	Janvier	61	95%	0	2.7E-6	7E-6	1.3E-5	3.4E-5	7.6E-5	1.1E-4	1.6E-4	3.1E-4	5.2E-5	5.5E-5
AMS13	Fort McKay South	60	98%	0	1.2E-5	2E-5	9.5E-5	2.6E-4	4.3E-4	7.1E-4	1E-3	1.1E-3	3.1E-4	2.8E-4
AMS23	Fort Hills	57	100%	2.3E-5	5.3E-5	9.6E-5	2.5E-4	4.9E-4	1E-3	2.3E-3	3.7E-3	4.3E-3	8.6E-4	1E-3
AMS30	Ells River	60	97%	0	6E-6	1.6E-5	6.5E-5	1.4E-4	3.5E-4	5.7E-4	9.9E-4	2.4E-3	2.6E-4	3.7E-4





Particulate Matter <10µm Tested For Elements - Lead (µg/m³) - 2022

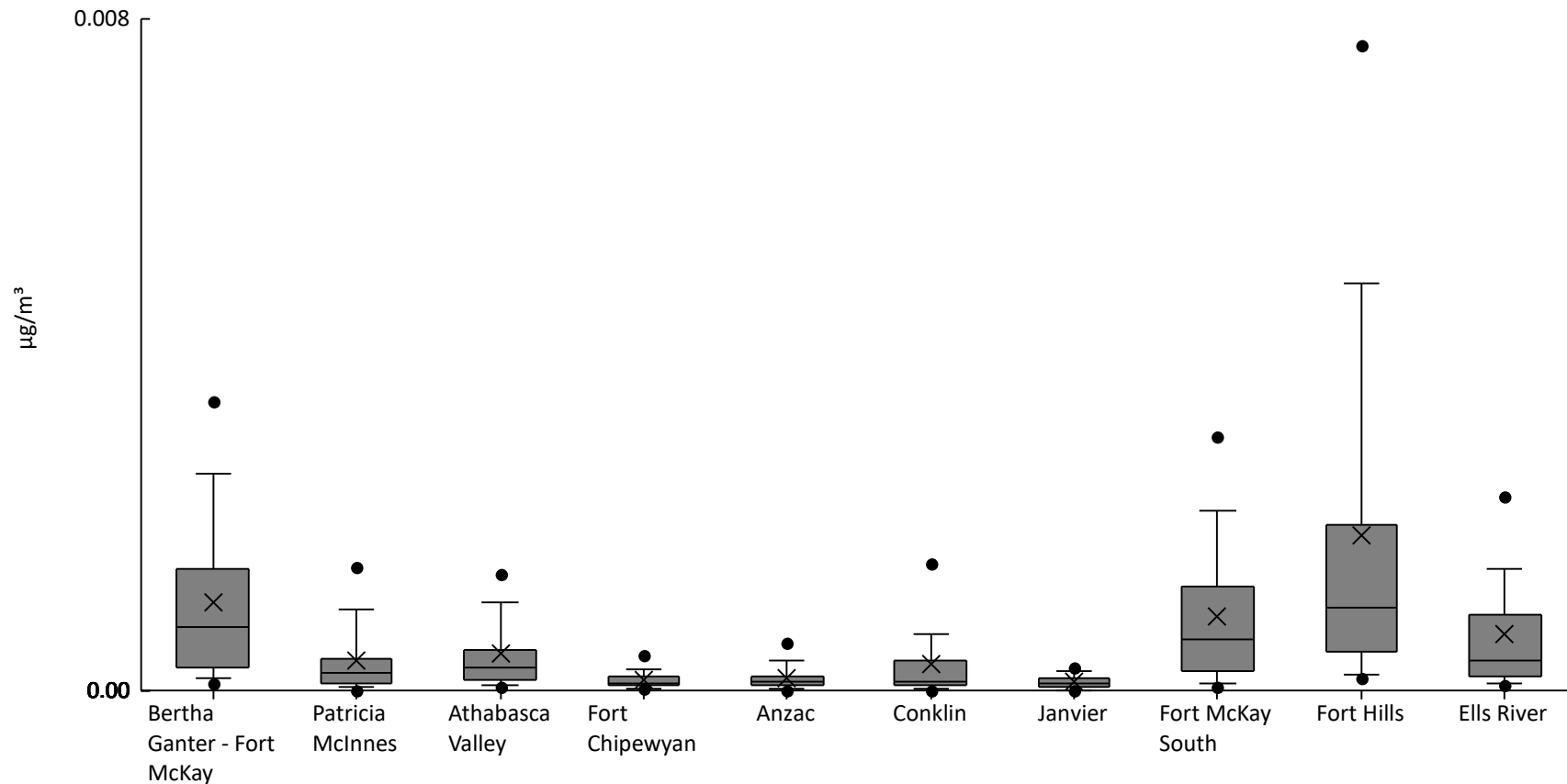
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	3.2E-5	7.7E-5	2E-4	5E-4	7.4E-4	1.2E-3	1.8E-3	3.6E-3	6E-4	6.2E-4
AMS06	Patricia McInnes	61	90%	0	0	2.8E-5	1.5E-4	3.1E-4	5.5E-4	7.6E-4	8.8E-4	3E-3	4.1E-4	4.7E-4
AMS07	Athabasca Valley	61	97%	0	5.8E-5	9.4E-5	2.1E-4	3.7E-4	5.7E-4	7.7E-4	1.1E-3	1.7E-3	4.3E-4	3.5E-4
AMS08	Fort Chipewyan	44	91%	0	1.1E-5	2.1E-5	6E-5	1.4E-4	2.2E-4	3E-4	5.8E-4	3.4E-3	2.3E-4	5.1E-4
AMS14	Anzac	61	93%	0	0	4.4E-5	9.4E-5	1.6E-4	3.3E-4	6E-4	9.4E-4	2.5E-3	2.8E-4	4E-4
AMS21	Conklin	61	97%	0	3.2E-5	5.2E-5	1.2E-4	2.1E-4	5E-4	9.9E-4	1.5E-3	2.5E-3	4E-4	4.8E-4
AMS22	Janvier	61	90%	0	0	1.6E-5	7.2E-5	1.8E-4	3.3E-4	6.5E-4	9E-4	2.5E-3	2.8E-4	3.8E-4
AMS13	Fort McKay South	60	97%	0	4.6E-5	6.4E-5	1.7E-4	3E-4	5.8E-4	1E-3	1.1E-3	3.3E-3	4.7E-4	5.3E-4
AMS23	Fort Hills	57	100%	4.2E-5	8E-5	1.4E-4	2.8E-4	5.9E-4	1.2E-3	1.9E-3	2.6E-3	3E-3	7.9E-4	7.2E-4
AMS30	Ells River	60	95%	0	1.3E-5	5.1E-5	1.2E-4	3.2E-4	5.8E-4	8.9E-4	1.2E-3	1.8E-3	4E-4	3.9E-4





Particulate Matter <10µm Tested For Elements - Lithium (µg/m³) - 2022

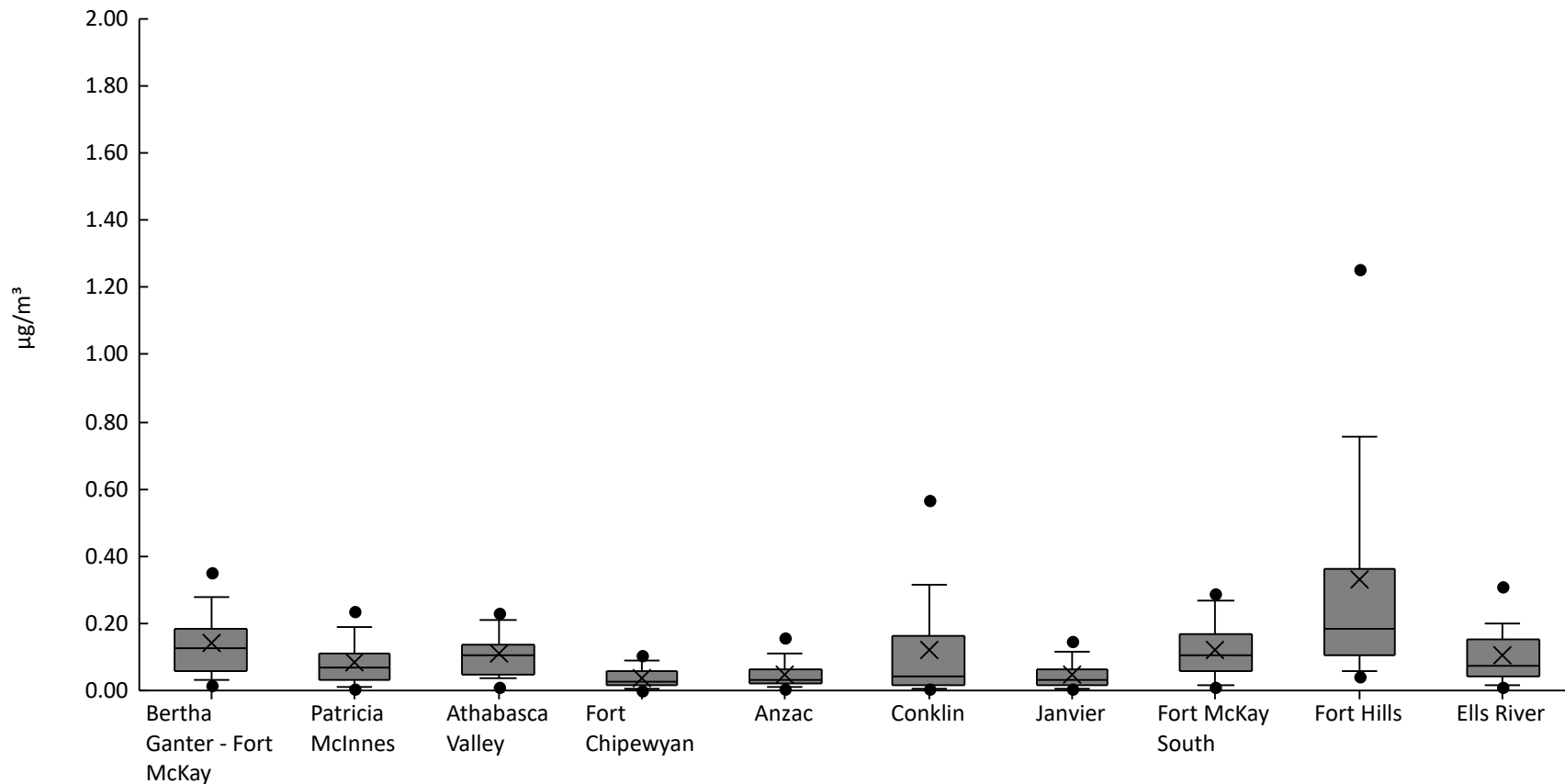
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	4.1E-5	7.6E-5	1.4E-4	2.8E-4	7.6E-4	1.4E-3	2.6E-3	3.4E-3	4.3E-3	1.1E-3	1E-3
AMS06	Patricia McInnes	61	93%	0	3.3E-6	3.4E-5	9.2E-5	2E-4	3.7E-4	9.6E-4	1.5E-3	1.6E-3	3.5E-4	4.2E-4
AMS07	Athabasca Valley	61	100%	2.5E-5	4.1E-5	6.6E-5	1.2E-4	2.6E-4	4.7E-4	1.1E-3	1.4E-3	3.2E-3	4.4E-4	5.3E-4
AMS08	Fort Chipewyan	44	98%	0	2.2E-5	2.9E-5	5.5E-5	9.3E-5	1.6E-4	2.5E-4	4.1E-4	5.2E-4	1.3E-4	1.1E-4
AMS14	Anzac	61	90%	0	2.2E-6	1.6E-5	6.6E-5	9.6E-5	1.7E-4	3.6E-4	5.6E-4	9.9E-4	1.5E-4	1.8E-4
AMS21	Conklin	61	93%	0	1.7E-6	2.7E-5	6.3E-5	1.1E-4	3.6E-4	6.8E-4	1.5E-3	2.8E-3	3.1E-4	5.5E-4
AMS22	Janvier	61	85%	0	0	0	4.6E-5	7.9E-5	1.4E-4	2.3E-4	2.6E-4	3.9E-4	9.9E-5	8.3E-5
AMS13	Fort McKay South	60	98%	0	4.4E-5	8.7E-5	2.2E-4	6.1E-4	1.2E-3	2.1E-3	3E-3	4.4E-3	8.9E-4	9.2E-4
AMS23	Fort Hills	57	100%	1.6E-5	1.4E-4	1.8E-4	4.6E-4	1E-3	2E-3	4.8E-3	7.7E-3	9.1E-3	1.9E-3	2.2E-3
AMS30	Ells River	60	100%	3.2E-5	5.7E-5	7.8E-5	1.7E-4	3.5E-4	9.1E-4	1.4E-3	2.3E-3	7.2E-3	6.8E-4	1E-3





Particulate Matter <10µm Tested For Elements - Magnesium (µg/m³) - 2022

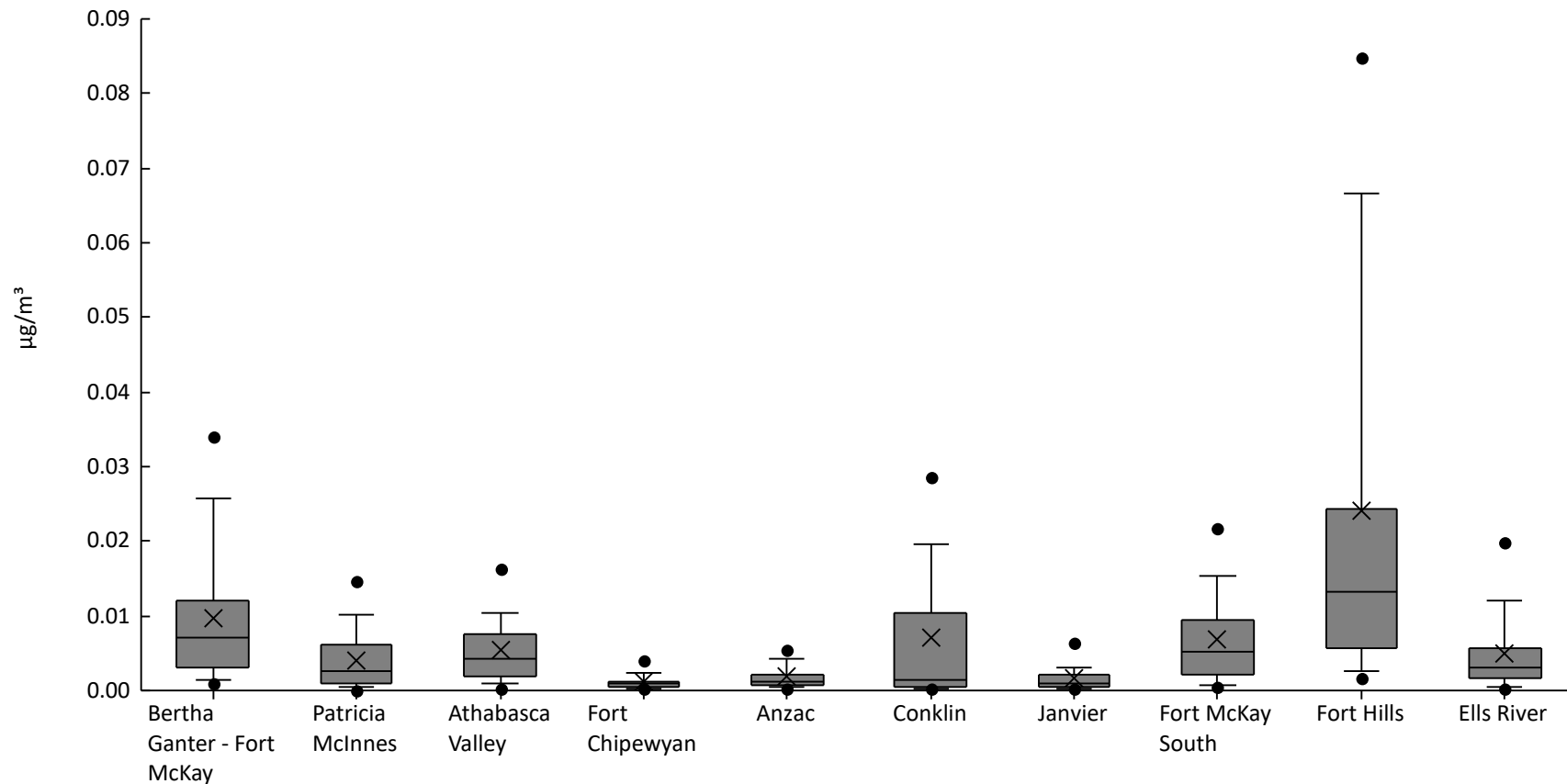
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	100%	3.9E-3	0.018	0.033	0.056	0.12	0.19	0.28	0.35	0.58	0.14	0.11
AMS06	Patricia McInnes	61	98%	0	2.7E-3	9.9E-3	0.03	0.07	0.11	0.19	0.24	0.3	0.084	0.069
AMS07	Athabasca Valley	61	97%	0	0.013	0.034	0.045	0.11	0.14	0.21	0.23	0.52	0.11	0.085
AMS08	Fort Chipewyan	44	95%	0	2.4E-3	5.1E-3	0.013	0.025	0.057	0.088	0.1	0.14	0.036	0.033
AMS14	Anzac	61	100%	3.9E-3	6.5E-3	0.012	0.02	0.031	0.061	0.11	0.15	0.18	0.047	0.042
AMS21	Conklin	61	100%	3.4E-3	6.5E-3	7.4E-3	0.013	0.043	0.16	0.32	0.57	0.89	0.12	0.18
AMS22	Janvier	61	97%	1.9E-4	3E-3	5.9E-3	0.014	0.029	0.063	0.11	0.15	0.16	0.045	0.043
AMS13	Fort McKay South	60	100%	1E-3	9.7E-3	0.017	0.06	0.1	0.17	0.27	0.29	0.42	0.12	0.09
AMS23	Fort Hills	57	100%	0.023	0.04	0.057	0.11	0.18	0.36	0.76	1.3	2.2	0.33	0.4
AMS30	Ells River	60	100%	5.1E-3	9.9E-3	0.017	0.04	0.074	0.15	0.2	0.31	0.61	0.11	0.1





Particulate Matter <10µm Tested For Elements - Manganese (µg/m³) - 2022

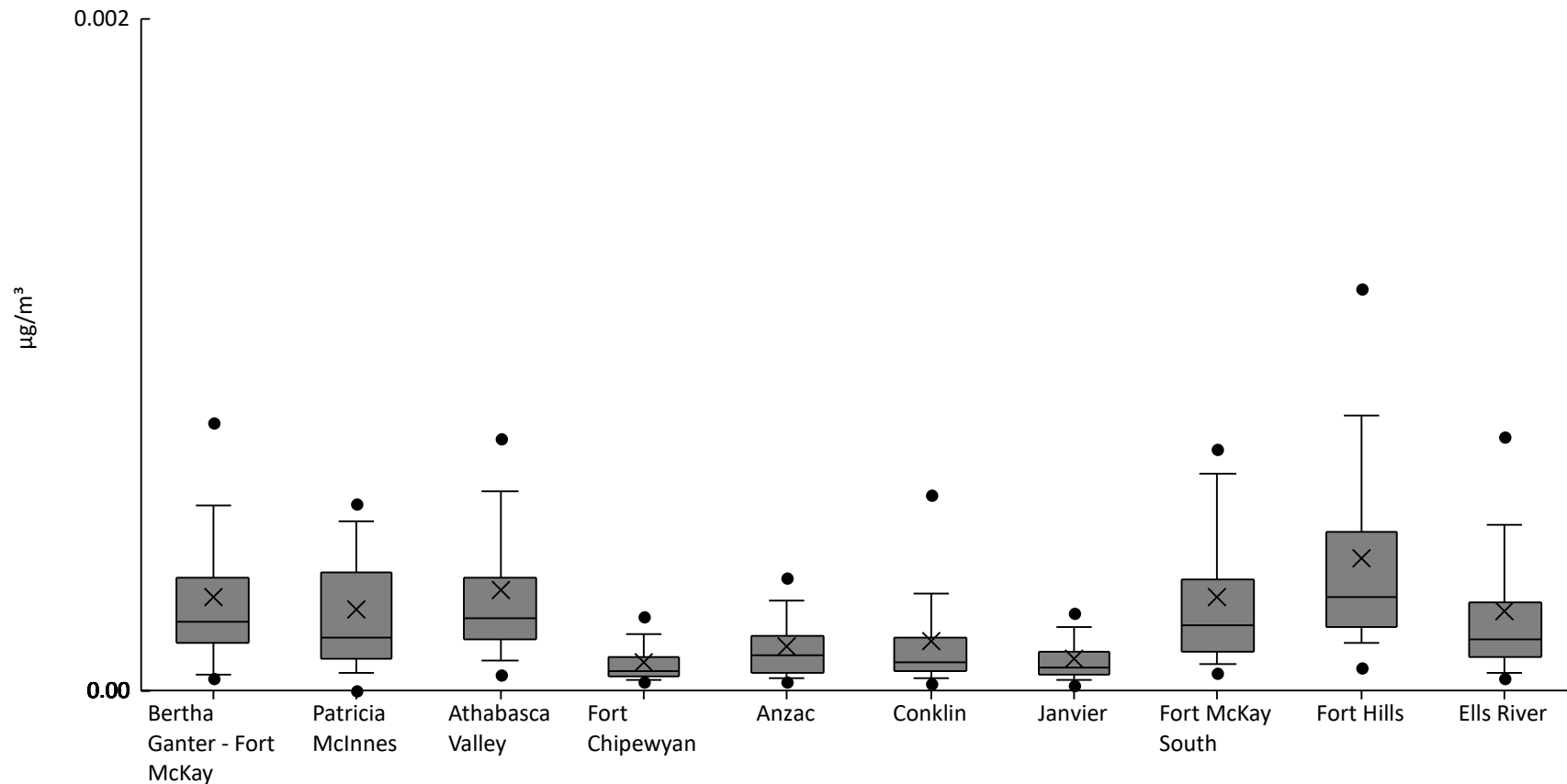
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	4E-6	8.5E-4	1.5E-3	3.1E-3	7.2E-3	0.012	0.026	0.034	0.039	9.8E-3	9.6E-3
AMS06	Patricia McInnes	61	98%	0	6E-5	3.6E-4	9.1E-4	2.6E-3	6.1E-3	0.01	0.015	0.016	4E-3	4.2E-3
AMS07	Athabasca Valley	61	98%	0	2.9E-4	1E-3	2E-3	4.4E-3	7.5E-3	0.01	0.016	0.025	5.4E-3	4.7E-3
AMS08	Fort Chipewyan	44	100%	1.3E-4	1.9E-4	2.6E-4	4.1E-4	8.7E-4	1.2E-3	2.4E-3	4E-3	8.5E-3	1.2E-3	1.4E-3
AMS14	Anzac	61	98%	0	2.5E-4	3.8E-4	6.9E-4	1.2E-3	2.1E-3	4.2E-3	5.3E-3	0.011	1.9E-3	2E-3
AMS21	Conklin	61	98%	0	2.8E-4	3.3E-4	5.5E-4	1.4E-3	0.01	0.02	0.029	0.067	7.2E-3	0.013
AMS22	Janvier	61	97%	0	1.2E-4	2.2E-4	4.9E-4	9.5E-4	2E-3	3.1E-3	6.3E-3	7.4E-3	1.6E-3	1.7E-3
AMS13	Fort McKay South	60	98%	2E-6	4.4E-4	7E-4	2.1E-3	5.1E-3	9.5E-3	0.015	0.022	0.028	6.9E-3	6.4E-3
AMS23	Fort Hills	57	100%	7.8E-4	1.6E-3	2.6E-3	5.6E-3	0.013	0.024	0.067	0.085	0.18	0.024	0.032
AMS30	Ells River	60	97%	0	2.2E-4	3.6E-4	1.6E-3	3.1E-3	5.6E-3	0.012	0.02	0.024	4.9E-3	5.6E-3





Particulate Matter <10µm Tested For Elements - Molybdenum (µg/m³) - 2022

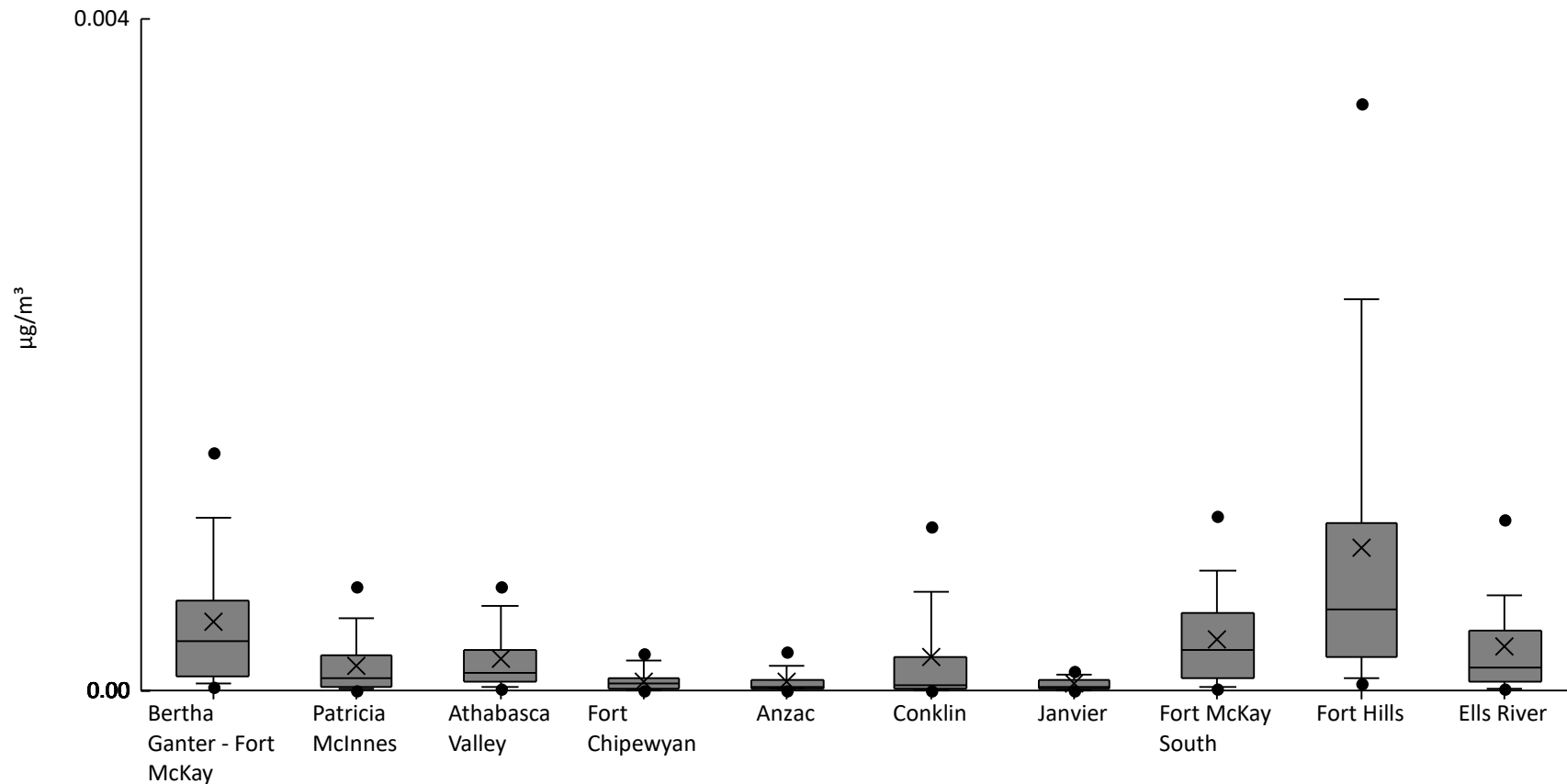
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	3.9E-5	4.9E-5	1.4E-4	2E-4	3.4E-4	5.5E-4	8E-4	1.5E-3	2.8E-4	2.6E-4
AMS06	Patricia McInnes	61	93%	0	1.1E-6	5.2E-5	9.5E-5	1.6E-4	3.5E-4	5.1E-4	5.6E-4	1.6E-3	2.4E-4	2.4E-4
AMS07	Athabasca Valley	61	97%	1E-6	4.9E-5	8.8E-5	1.5E-4	2.1E-4	3.4E-4	6E-4	7.5E-4	2.1E-3	3E-4	3.1E-4
AMS08	Fort Chipewyan	44	93%	1.2E-5	2.4E-5	3E-5	4E-5	5.6E-5	1E-4	1.7E-4	2.2E-4	4.7E-4	8.4E-5	7.9E-5
AMS14	Anzac	61	97%	0	2.7E-5	3.8E-5	5.1E-5	1E-4	1.6E-4	2.7E-4	3.4E-4	8.4E-4	1.3E-4	1.3E-4
AMS21	Conklin	61	93%	6E-6	2.4E-5	3.7E-5	5.7E-5	8.5E-5	1.6E-4	2.9E-4	5.8E-4	1.2E-3	1.5E-4	1.9E-4
AMS22	Janvier	61	93%	0	1.7E-5	3.4E-5	4.7E-5	6.6E-5	1.2E-4	1.9E-4	2.3E-4	7.1E-4	9.5E-5	9.9E-5
AMS13	Fort McKay South	60	100%	2.6E-5	5.3E-5	7.7E-5	1.1E-4	1.9E-4	3.3E-4	6.5E-4	7.2E-4	1.6E-3	2.8E-4	2.7E-4
AMS23	Fort Hills	57	100%	4.8E-5	7.1E-5	1.4E-4	1.9E-4	2.8E-4	4.7E-4	8.2E-4	1.2E-3	1.5E-3	3.9E-4	3.3E-4
AMS30	Ells River	60	98%	1.1E-5	3.8E-5	5.5E-5	1E-4	1.5E-4	2.6E-4	4.9E-4	7.5E-4	1.8E-3	2.3E-4	2.7E-4





Particulate Matter <10µm Tested For Elements - Neodymium (µg/m³) - 2022

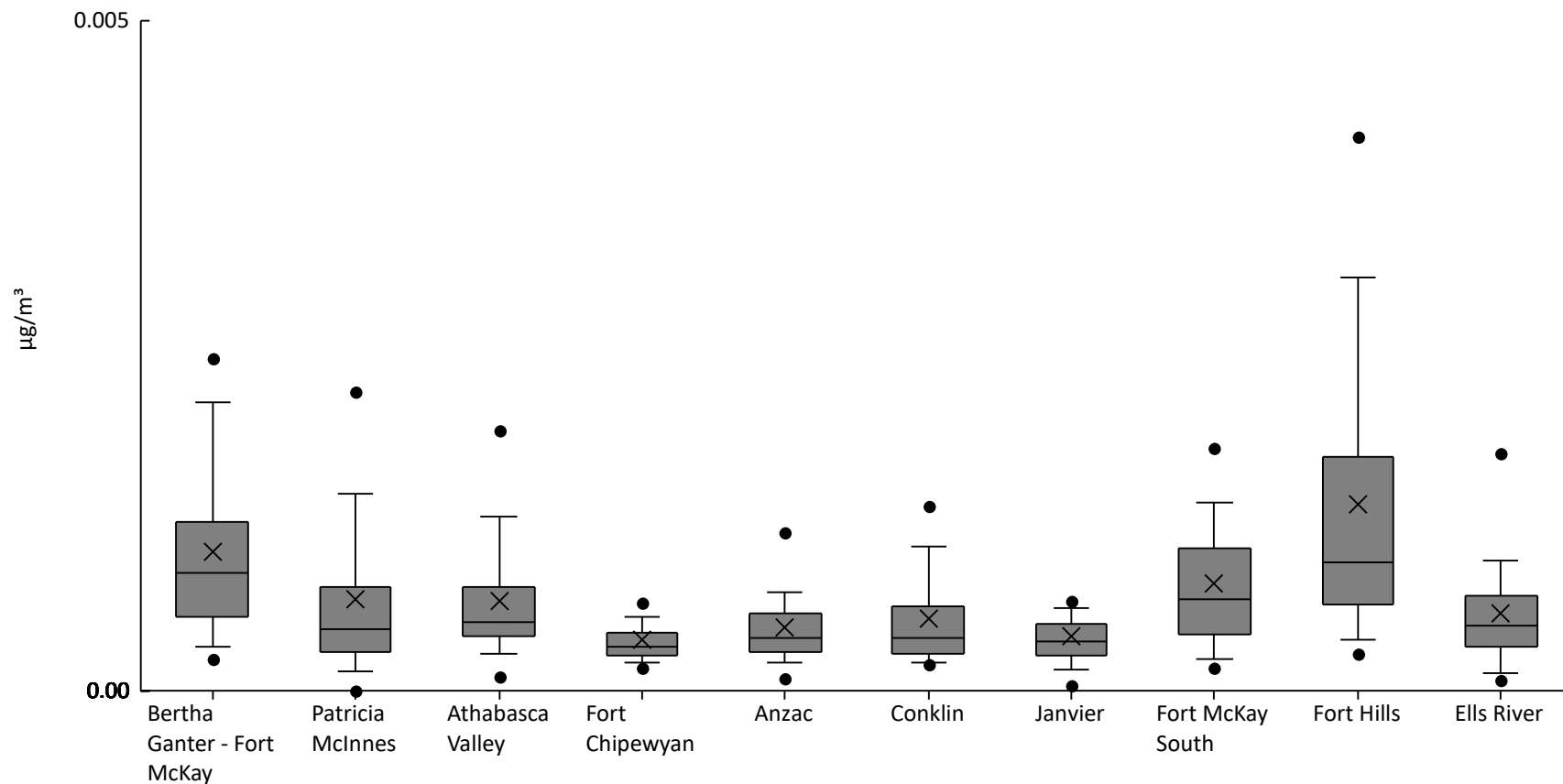
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	1E-6	2E-5	4.7E-5	8.8E-5	3E-4	5.4E-4	1E-3	1.4E-3	2E-3	4.1E-4	4.3E-4
AMS06	Patricia McInnes	61	90%	0	0	5.8E-6	2.2E-5	7.6E-5	2.1E-4	4.3E-4	6.2E-4	7.6E-4	1.5E-4	1.9E-4
AMS07	Athabasca Valley	61	97%	0	7.7E-6	2.2E-5	5.1E-5	1E-4	2.5E-4	5E-4	6.2E-4	1.4E-3	1.9E-4	2.4E-4
AMS08	Fort Chipewyan	44	82%	0	1E-6	2E-6	1E-5	3.8E-5	7E-5	1.8E-4	2.2E-4	3.4E-4	5.7E-5	7.1E-5
AMS14	Anzac	61	90%	0	3.1E-6	6.2E-6	1.2E-5	2.5E-5	6.4E-5	1.5E-4	2.3E-4	4.1E-4	5.5E-5	7.6E-5
AMS21	Conklin	61	92%	0	3.6E-6	5E-6	9E-6	3E-5	2E-4	5.9E-4	9.7E-4	2E-3	2E-4	3.9E-4
AMS22	Janvier	61	90%	0	1.6E-6	5E-6	8.8E-6	2.1E-5	6.8E-5	9.2E-5	1.2E-4	2.2E-4	4E-5	4.4E-5
AMS13	Fort McKay South	60	98%	0	1.2E-5	2.5E-5	7.6E-5	2.4E-4	4.6E-4	7.2E-4	1E-3	1.2E-3	3.1E-4	3E-4
AMS23	Fort Hills	57	100%	1.5E-5	4.1E-5	7.1E-5	2E-4	4.8E-4	9.9E-4	2.3E-3	3.5E-3	4.5E-3	8.5E-4	1E-3
AMS30	Ells River	60	97%	0	6E-6	1.5E-5	5.7E-5	1.3E-4	3.6E-4	5.7E-4	1E-3	2.4E-3	2.6E-4	3.8E-4





Particulate Matter <10µm Tested For Elements - Nickel (µg/m³) - 2022

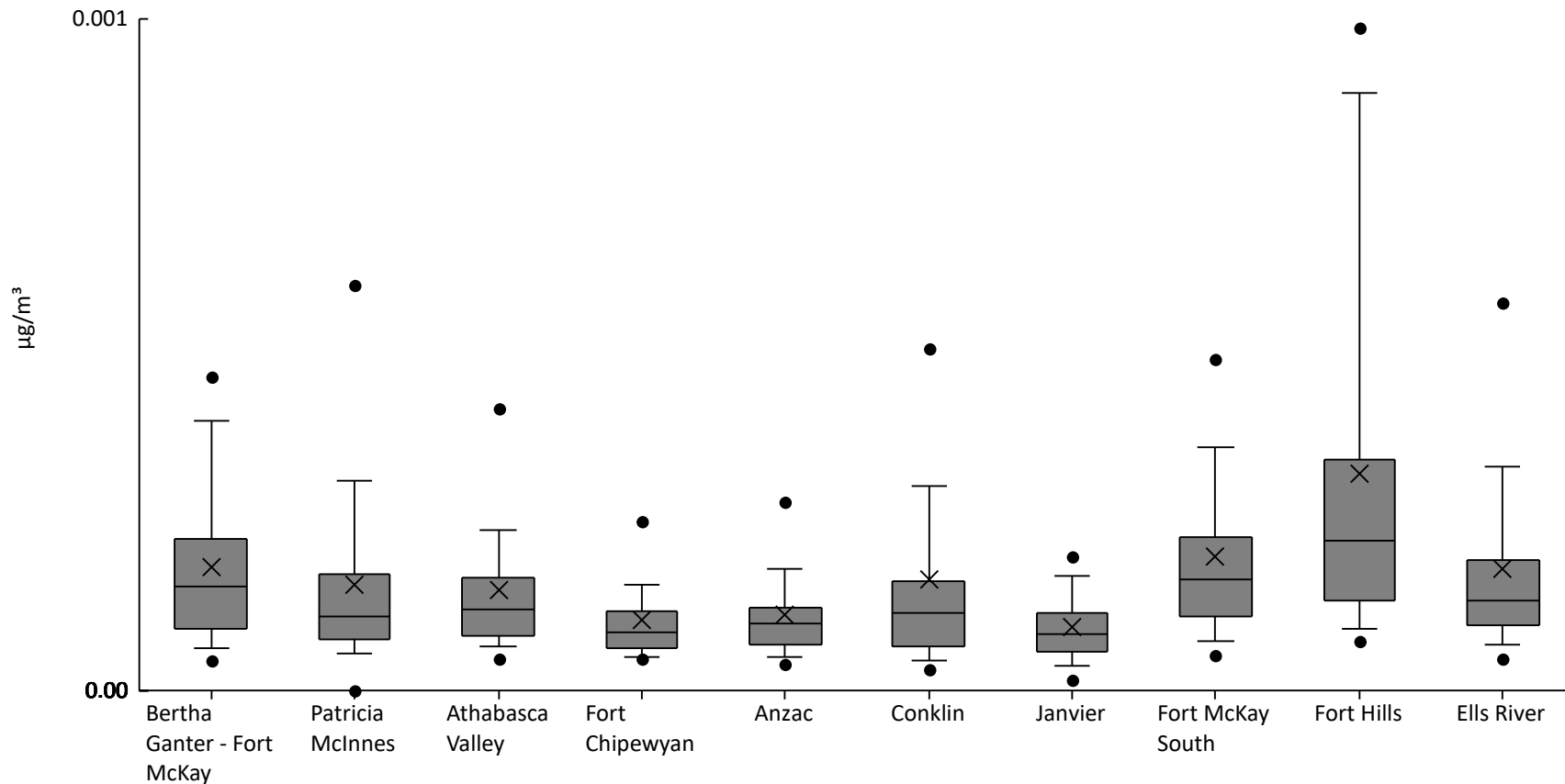
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	2.4E-4	3.2E-4	5.5E-4	8.7E-4	1.3E-3	2.1E-3	2.5E-3	3.2E-3	1E-3	7.1E-4
AMS06	Patricia McInnes	61	92%	0	0	1.4E-4	2.9E-4	4.6E-4	7.8E-4	1.5E-3	2.2E-3	3.6E-3	6.8E-4	6.7E-4
AMS07	Athabasca Valley	61	95%	0	1E-4	2.8E-4	4.1E-4	5.1E-4	7.8E-4	1.3E-3	1.9E-3	2.1E-3	6.7E-4	4.7E-4
AMS08	Fort Chipewyan	44	100%	1.4E-4	1.8E-4	2.1E-4	2.6E-4	3.3E-4	4.4E-4	5.5E-4	6.6E-4	1.9E-3	3.8E-4	2.6E-4
AMS14	Anzac	61	98%	0	9.3E-5	2.1E-4	2.9E-4	3.9E-4	5.8E-4	7.3E-4	1.2E-3	2E-3	4.8E-4	3.5E-4
AMS21	Conklin	61	98%	0	2E-4	2.1E-4	2.8E-4	3.9E-4	6.4E-4	1.1E-3	1.4E-3	2.2E-3	5.3E-4	4.1E-4
AMS22	Janvier	61	95%	0	4.4E-5	1.6E-4	2.7E-4	3.7E-4	4.9E-4	6.2E-4	6.7E-4	2.2E-3	4.1E-4	3E-4
AMS13	Fort McKay South	60	98%	3E-6	1.7E-4	2.4E-4	4.2E-4	6.8E-4	1.1E-3	1.4E-3	1.8E-3	2.3E-3	7.9E-4	5E-4
AMS23	Fort Hills	57	100%	2E-4	2.8E-4	3.8E-4	6.4E-4	9.6E-4	1.7E-3	3.1E-3	4.1E-3	4.7E-3	1.4E-3	1.1E-3
AMS30	Ells River	60	97%	0	7.5E-5	1.3E-4	3.3E-4	4.9E-4	7.1E-4	9.7E-4	1.8E-3	2.1E-3	5.7E-4	4.4E-4





Particulate Matter <10µm Tested For Elements - Niobium (µg/m³) - 2022

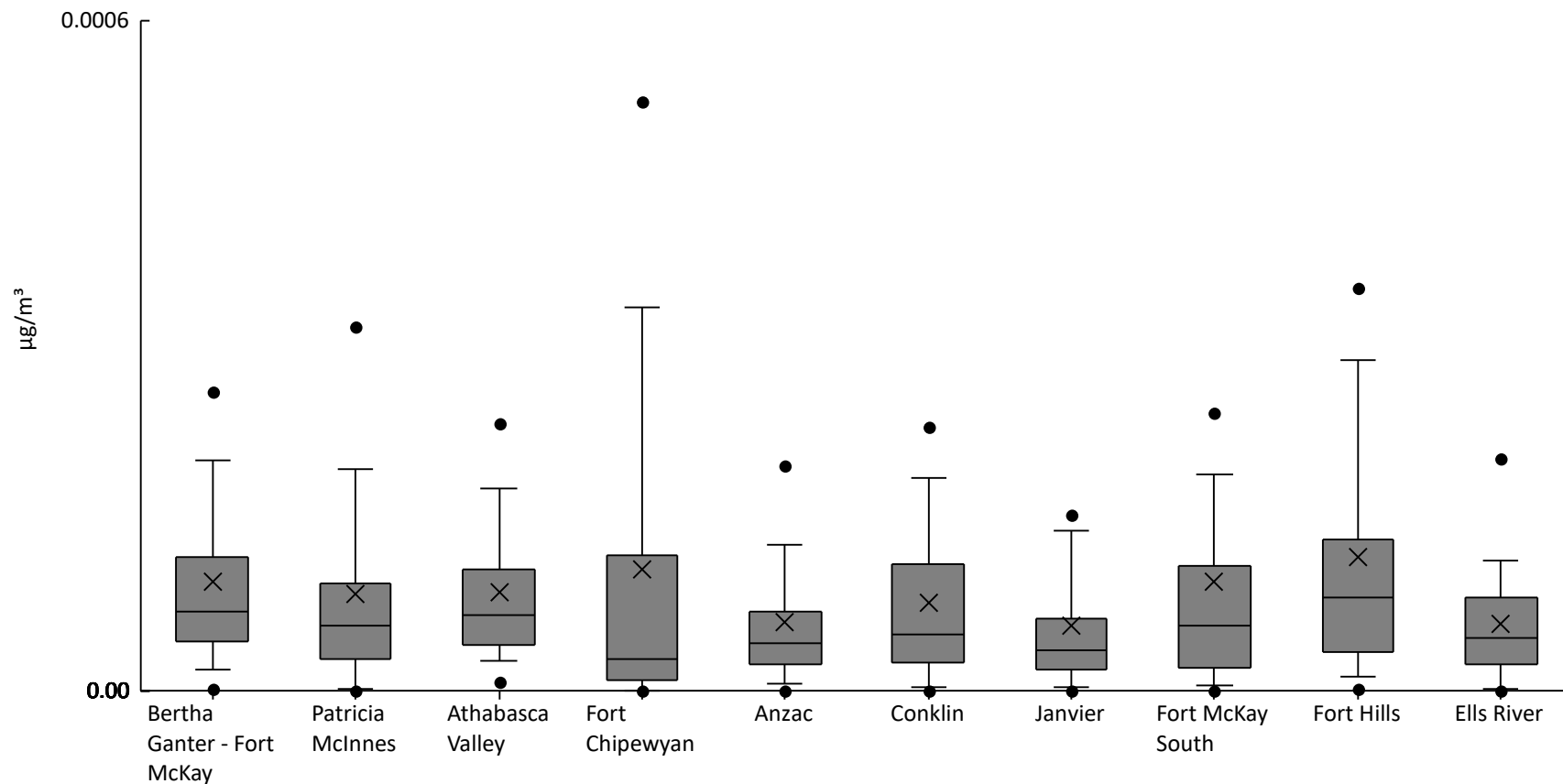
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	4.5E-5	6.3E-5	9.3E-5	1.5E-4	2.3E-4	4E-4	4.7E-4	5.1E-4	1.8E-4	1.3E-4
AMS06	Patricia McInnes	61	93%	0	1.1E-6	5.4E-5	7.6E-5	1.1E-4	1.7E-4	3.1E-4	6E-4	8.4E-4	1.6E-4	1.6E-4
AMS07	Athabasca Valley	61	98%	0	4.7E-5	6.6E-5	8.2E-5	1.2E-4	1.7E-4	2.4E-4	4.2E-4	9.6E-4	1.5E-4	1.4E-4
AMS08	Fort Chipewyan	44	100%	4.5E-5	4.6E-5	5.1E-5	6.4E-5	8.7E-5	1.2E-4	1.6E-4	2.5E-4	4.6E-4	1E-4	7.2E-5
AMS14	Anzac	61	98%	0	3.9E-5	5E-5	6.8E-5	9.9E-5	1.2E-4	1.8E-4	2.8E-4	4.9E-4	1.1E-4	8.2E-5
AMS21	Conklin	61	97%	0	3.1E-5	4.4E-5	6.5E-5	1.2E-4	1.6E-4	3E-4	5.1E-4	1.1E-3	1.7E-4	2E-4
AMS22	Janvier	61	97%	0	1.6E-5	3.8E-5	5.7E-5	8.4E-5	1.1E-4	1.7E-4	2E-4	4E-4	9.6E-5	6.4E-5
AMS13	Fort McKay South	60	100%	4.5E-5	5.3E-5	7.3E-5	1.1E-4	1.7E-4	2.3E-4	3.6E-4	4.9E-4	9.1E-4	2E-4	1.5E-4
AMS23	Fort Hills	57	100%	6.7E-5	7.3E-5	9.1E-5	1.3E-4	2.2E-4	3.4E-4	8.9E-4	9.9E-4	1.5E-3	3.2E-4	3E-4
AMS30	Ells River	60	98%	3E-6	4.8E-5	6.8E-5	9.8E-5	1.3E-4	1.9E-4	3.3E-4	5.8E-4	1E-3	1.8E-4	1.7E-4





Particulate Matter <10µm Tested For Elements - Palladium (µg/m³) - 2022

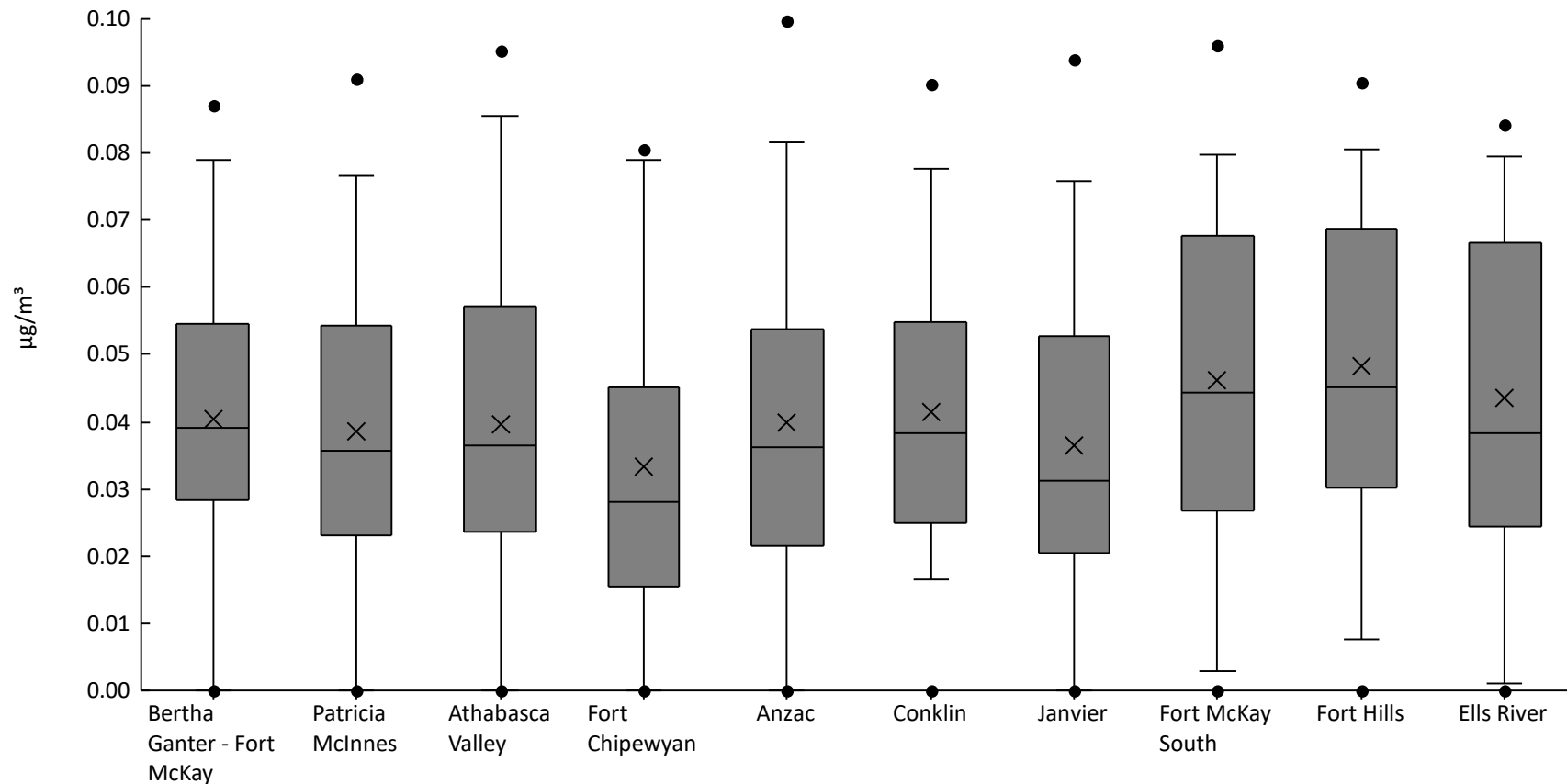
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	70%	0	1.1E-6	1.8E-5	4.4E-5	7.1E-5	1.2E-4	2.1E-4	2.7E-4	5E-4	9.8E-5	9E-5
AMS06	Patricia McInnes	61	62%	0	0	2E-6	2.8E-5	5.9E-5	9.6E-5	2E-4	3.3E-4	4.6E-4	8.7E-5	9.7E-5
AMS07	Athabasca Valley	61	66%	0	8.3E-6	2.7E-5	4.1E-5	6.8E-5	1.1E-4	1.8E-4	2.4E-4	4.1E-4	8.9E-5	7.8E-5
AMS08	Fort Chipewyan	44	39%	0	0	0	1E-5	2.9E-5	1.2E-4	3.4E-4	5.3E-4	8E-4	1.1E-4	1.7E-4
AMS14	Anzac	61	41%	0	0	5.8E-6	2.4E-5	4.3E-5	7.2E-5	1.3E-4	2E-4	3.4E-4	6.1E-5	6.5E-5
AMS21	Conklin	61	52%	0	0	3.8E-6	2.5E-5	5.1E-5	1.1E-4	1.9E-4	2.4E-4	4E-4	7.8E-5	7.8E-5
AMS22	Janvier	61	34%	0	0	3.8E-6	1.9E-5	3.7E-5	6.4E-5	1.4E-4	1.6E-4	3.9E-4	5.9E-5	7.1E-5
AMS13	Fort McKay South	60	57%	0	0	5E-6	2.1E-5	5.9E-5	1.1E-4	1.9E-4	2.5E-4	1.4E-3	9.7E-5	1.8E-4
AMS23	Fort Hills	57	70%	0	1.8E-6	1.3E-5	3.4E-5	8.4E-5	1.4E-4	3E-4	3.6E-4	8.2E-4	1.2E-4	1.4E-4
AMS30	Ells River	60	43%	0	0	1E-6	2.3E-5	4.7E-5	8.3E-5	1.2E-4	2.1E-4	3E-4	6E-5	6E-5





Particulate Matter <10µm Tested For Elements - Phosphorus (µg/m³) - 2022

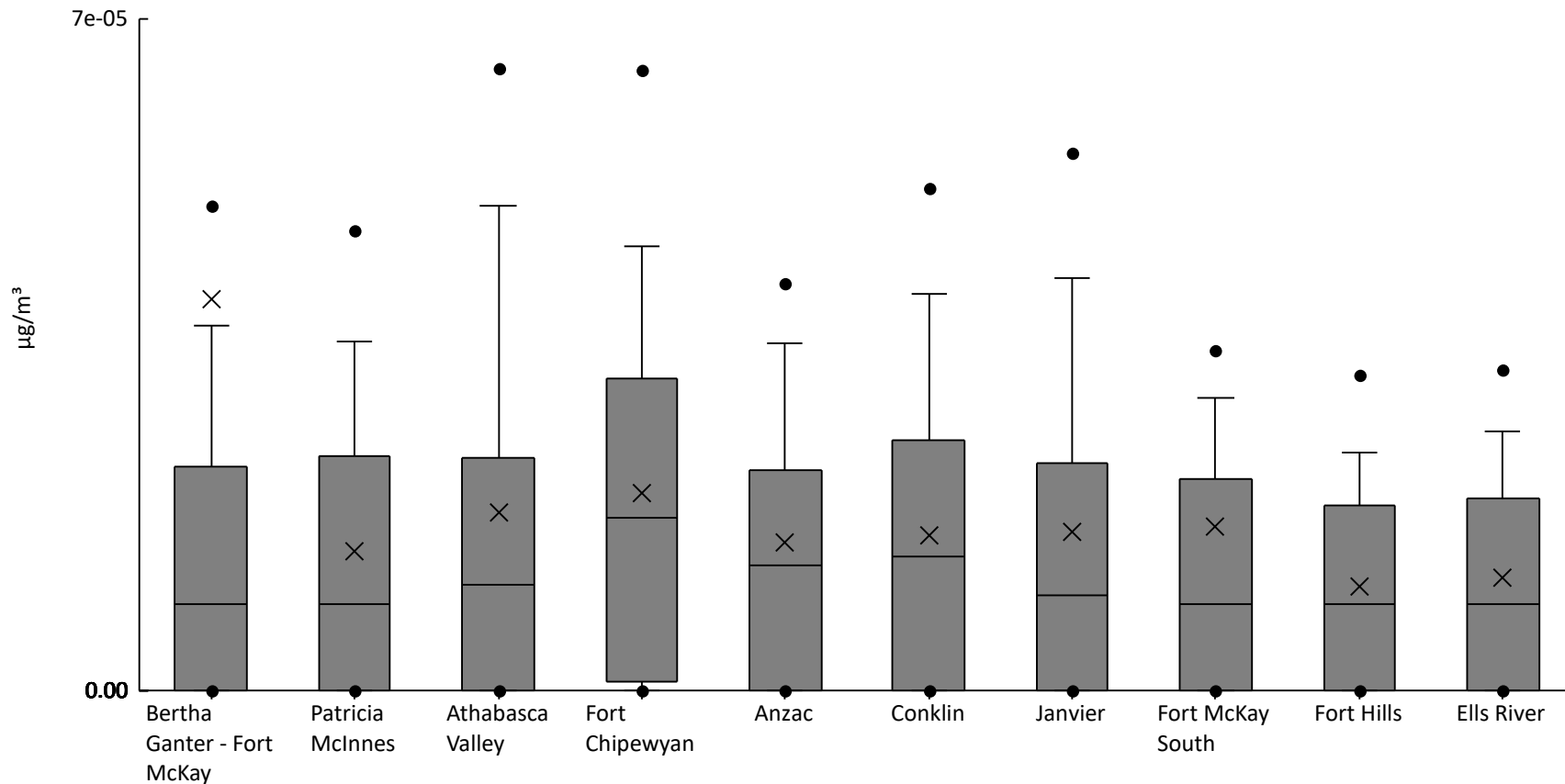
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	85%	0	0	0	0.028	0.039	0.055	0.079	0.087	0.095	0.041	0.025
AMS06	Patricia McInnes	61	84%	0	0	0	0.023	0.036	0.054	0.077	0.091	0.097	0.038	0.026
AMS07	Athabasca Valley	61	84%	0	0	0	0.024	0.037	0.057	0.086	0.095	0.11	0.04	0.028
AMS08	Fort Chipewyan	44	80%	0	0	0	0.015	0.028	0.045	0.079	0.081	0.085	0.033	0.026
AMS14	Anzac	61	85%	0	0	0	0.021	0.036	0.054	0.082	0.1	0.11	0.04	0.028
AMS21	Conklin	61	93%	0	0	0.017	0.025	0.038	0.055	0.078	0.09	0.1	0.042	0.024
AMS22	Janvier	61	84%	0	0	0	0.021	0.031	0.053	0.076	0.094	0.11	0.036	0.028
AMS13	Fort McKay South	60	90%	0	0	2.9E-3	0.027	0.044	0.068	0.08	0.096	0.14	0.046	0.03
AMS23	Fort Hills	57	91%	0	0	7.6E-3	0.03	0.045	0.069	0.08	0.091	0.15	0.048	0.03
AMS30	Ells River	60	88%	0	0	1.1E-3	0.024	0.038	0.067	0.08	0.084	0.11	0.044	0.028





Particulate Matter <10µm Tested For Elements - Platinum (µg/m³) - 2022

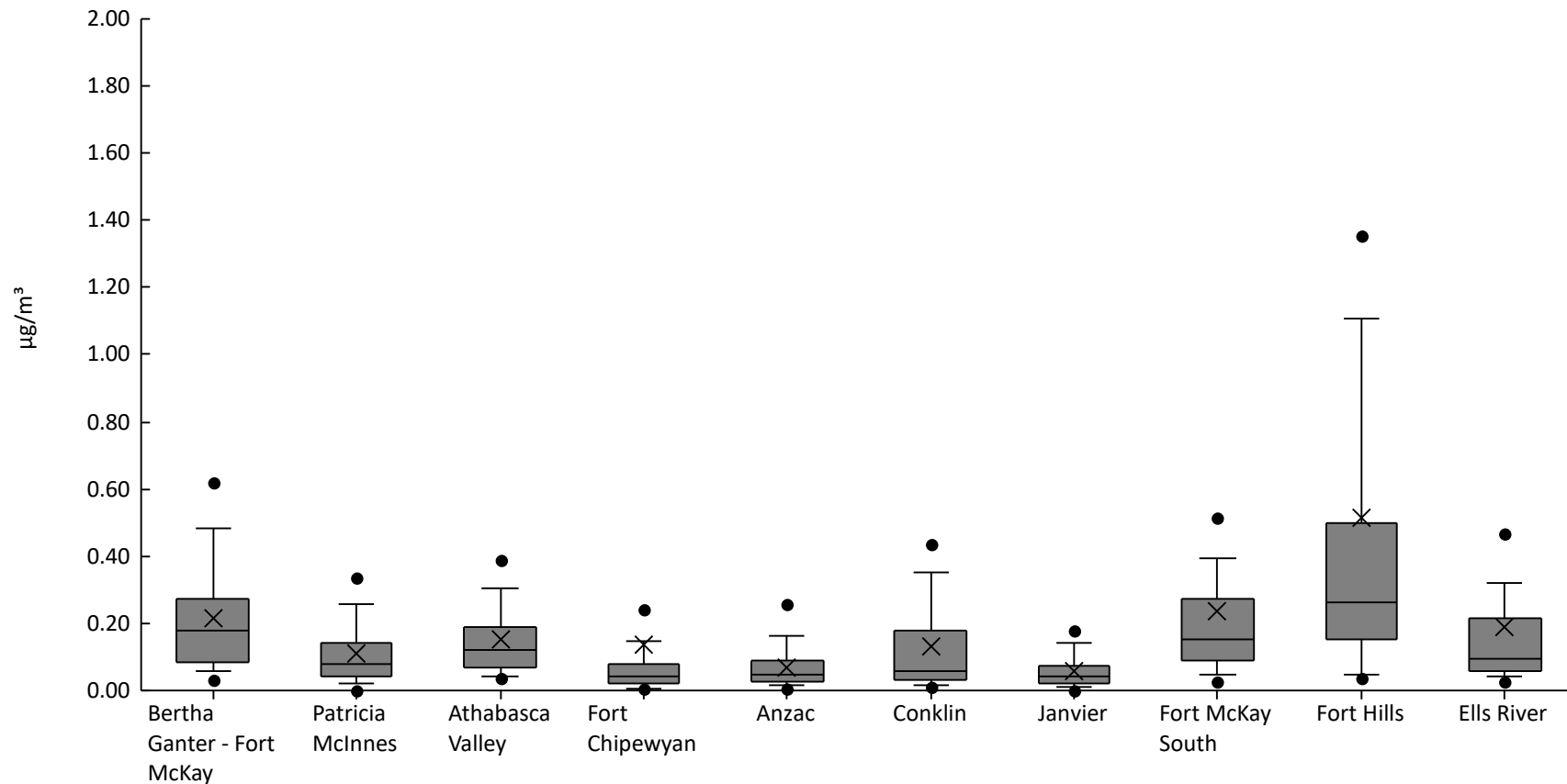
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	66%	0	0	0	0	9E-6	2.3E-5	3.8E-5	5.1E-5	1.7E-3	4.1E-5	2.1E-4
AMS06	Patricia McInnes	61	64%	0	0	0	0	9E-6	2.5E-5	3.6E-5	4.8E-5	6.4E-5	1.4E-5	1.6E-5
AMS07	Athabasca Valley	61	66%	0	0	0	0	1.1E-5	2.4E-5	5.1E-5	6.5E-5	1.3E-4	1.9E-5	2.4E-5
AMS08	Fort Chipewyan	44	68%	0	0	0	1E-6	1.8E-5	3.3E-5	4.6E-5	6.5E-5	6.8E-5	2.1E-5	2E-5
AMS14	Anzac	61	69%	0	0	0	0	1.3E-5	2.3E-5	3.6E-5	4.2E-5	6.1E-5	1.5E-5	1.5E-5
AMS21	Conklin	61	66%	0	0	0	0	1.4E-5	2.6E-5	4.1E-5	5.2E-5	6.2E-5	1.6E-5	1.7E-5
AMS22	Janvier	61	67%	0	0	0	0	1E-5	2.4E-5	4.3E-5	5.6E-5	7E-5	1.7E-5	1.8E-5
AMS13	Fort McKay South	60	62%	0	0	0	0	9E-6	2.2E-5	3.1E-5	3.6E-5	3.7E-4	1.7E-5	4.8E-5
AMS23	Fort Hills	57	58%	0	0	0	0	9E-6	1.9E-5	2.5E-5	3.3E-5	4.3E-5	1.1E-5	1.1E-5
AMS30	Ells River	60	63%	0	0	0	0	9E-6	2E-5	2.7E-5	3.4E-5	7E-5	1.2E-5	1.3E-5





Particulate Matter <10µm Tested For Elements - Potassium (µg/m³) - 2022

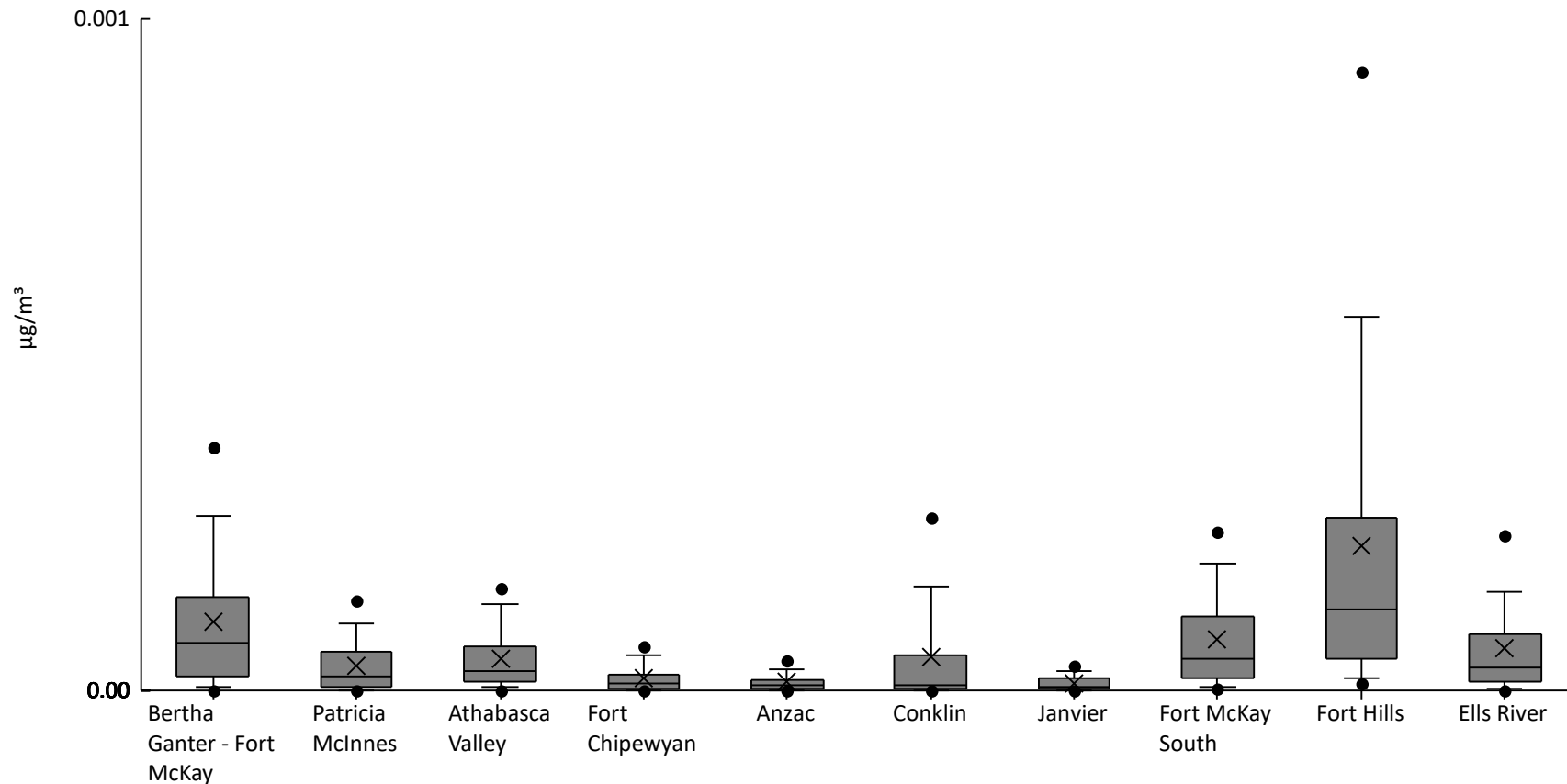
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.029	0.057	0.082	0.18	0.27	0.48	0.62	0.73	0.22	0.17
AMS06	Patricia McInnes	61	95%	0	1.4E-3	0.021	0.041	0.079	0.14	0.26	0.33	0.38	0.11	0.096
AMS07	Athabasca Valley	61	98%	0	0.037	0.041	0.067	0.12	0.19	0.3	0.39	0.69	0.15	0.13
AMS08	Fort Chipewyan	44	98%	0	2.8E-3	4.2E-3	0.02	0.041	0.08	0.15	0.24	3.4	0.14	0.51
AMS14	Anzac	61	98%	0	5.8E-3	0.014	0.026	0.046	0.089	0.16	0.25	0.33	0.07	0.073
AMS21	Conklin	61	98%	0	0.011	0.015	0.032	0.06	0.18	0.35	0.44	0.79	0.13	0.16
AMS22	Janvier	61	93%	0	0	8E-3	0.023	0.041	0.072	0.14	0.18	0.2	0.056	0.05
AMS13	Fort McKay South	60	100%	0.011	0.026	0.048	0.087	0.15	0.28	0.39	0.52	3.2	0.24	0.41
AMS23	Fort Hills	57	100%	0.023	0.039	0.048	0.15	0.26	0.5	1.1	1.4	7.7	0.52	1
AMS30	Ells River	60	100%	7.4E-3	0.026	0.042	0.056	0.095	0.21	0.32	0.47	2.3	0.19	0.33





Particulate Matter <10µm Tested For Elements - Praseodymium (µg/m³) - 2022

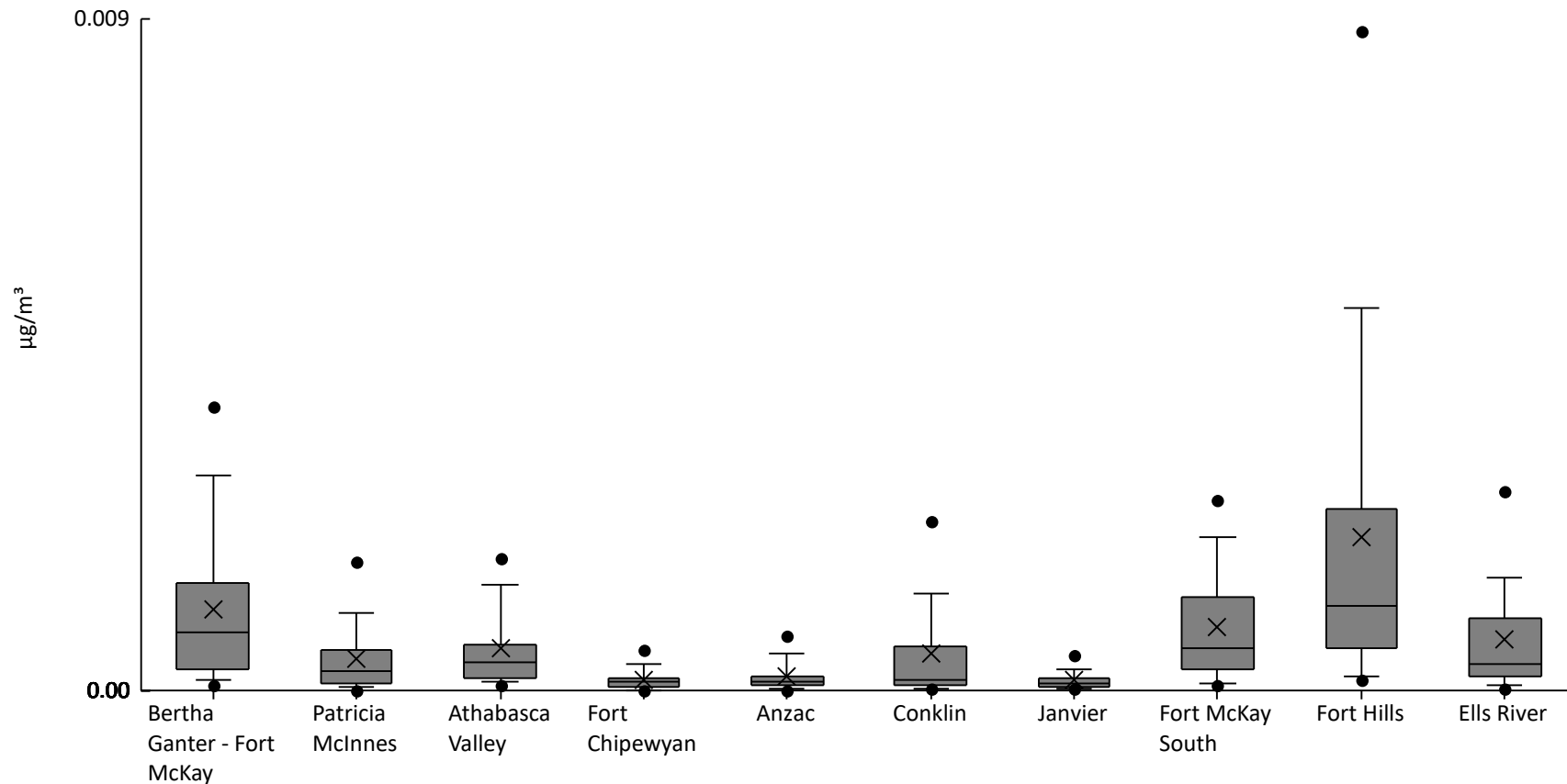
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	0	5.6E-6	2.2E-5	7.1E-5	1.4E-4	2.6E-4	3.6E-4	4.4E-4	1E-4	1.1E-4
AMS06	Patricia McInnes	61	89%	0	0	6E-7	6.5E-6	2.2E-5	5.8E-5	1E-4	1.3E-4	2E-4	3.8E-5	4.3E-5
AMS07	Athabasca Valley	61	93%	0	5.5E-7	4.8E-6	1.3E-5	2.8E-5	6.5E-5	1.3E-4	1.5E-4	2.9E-4	4.7E-5	5.3E-5
AMS08	Fort Chipewyan	44	84%	0	0	1E-6	3E-6	1E-5	2.4E-5	5.3E-5	6.7E-5	9.7E-5	1.7E-5	2.1E-5
AMS14	Anzac	61	89%	0	0	1E-6	3.8E-6	7E-6	1.7E-5	3.1E-5	4.5E-5	7.6E-5	1.3E-5	1.6E-5
AMS21	Conklin	61	87%	0	0	1E-6	2.8E-6	8E-6	5.2E-5	1.5E-4	2.6E-4	5.1E-4	5E-5	1E-4
AMS22	Janvier	61	80%	0	0	0	2E-6	5E-6	1.8E-5	2.8E-5	3.6E-5	5.4E-5	1E-5	1.2E-5
AMS13	Fort McKay South	60	97%	0	2.5E-6	5E-6	2E-5	4.8E-5	1.1E-4	1.9E-4	2.4E-4	3E-4	7.6E-5	7.4E-5
AMS23	Fort Hills	57	98%	0	1.1E-5	1.8E-5	4.9E-5	1.2E-4	2.6E-4	5.6E-4	9.2E-4	1.1E-3	2.1E-4	2.6E-4
AMS30	Ells River	60	92%	0	5E-7	2E-6	1.3E-5	3.4E-5	8.4E-5	1.5E-4	2.3E-4	6E-4	6.3E-5	9.3E-5





Particulate Matter <10µm Tested For Elements - Rubidium (µg/m³) - 2022

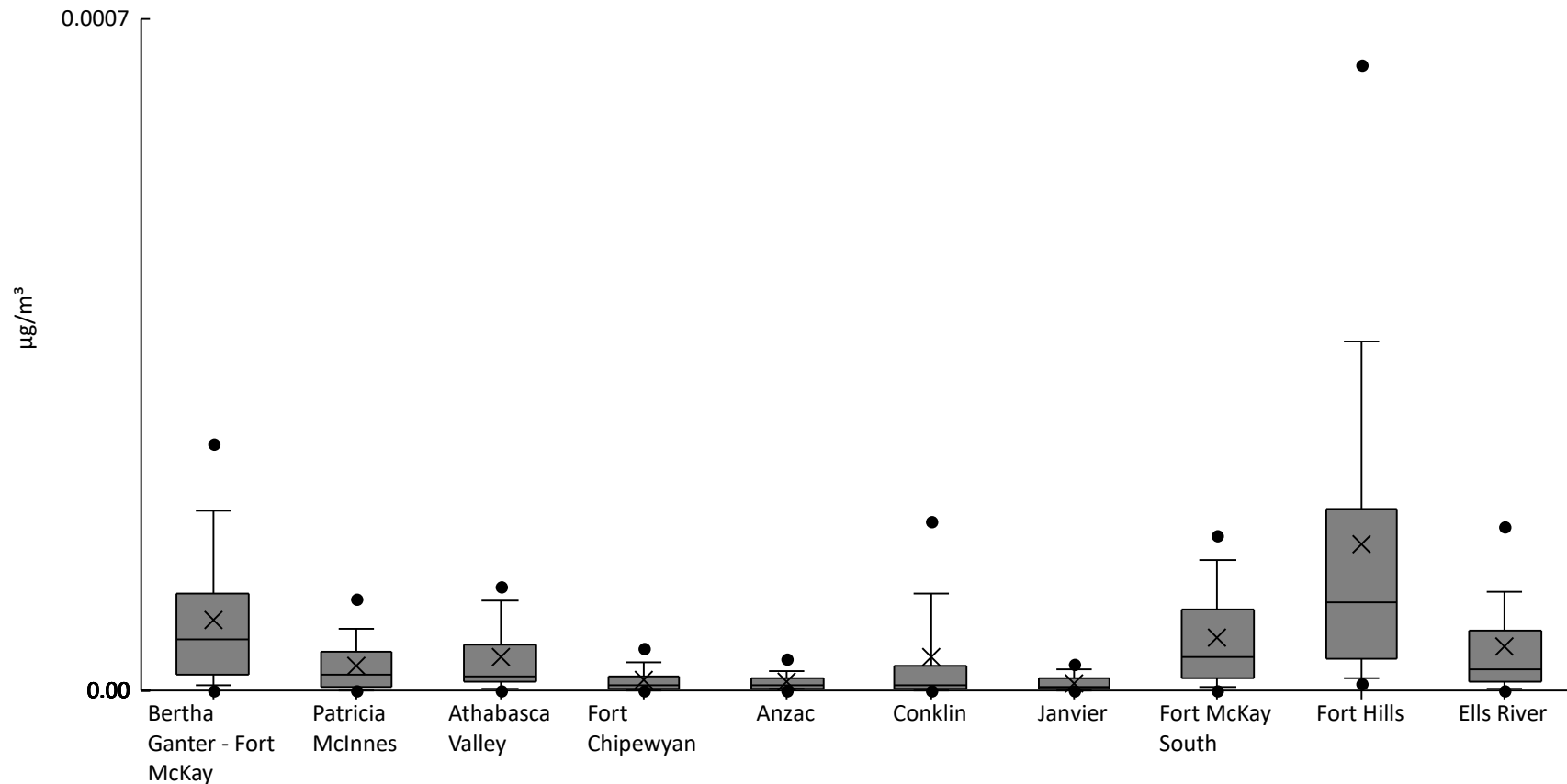
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	1E-6	7.6E-5	1.5E-4	2.9E-4	7.7E-4	1.4E-3	2.9E-3	3.8E-3	4.2E-3	1.1E-3	1.1E-3
AMS06	Patricia McInnes	61	97%	1E-6	9.3E-6	3.6E-5	1E-4	2.6E-4	5.5E-4	1E-3	1.7E-3	2.1E-3	4.1E-4	4.9E-4
AMS07	Athabasca Valley	61	98%	0	7.4E-5	1.2E-4	1.6E-4	3.8E-4	6.1E-4	1.4E-3	1.8E-3	3.5E-3	5.6E-4	6.3E-4
AMS08	Fort Chipewyan	44	95%	0	2.8E-6	1.1E-5	4.5E-5	1.2E-4	1.8E-4	3.4E-4	5.4E-4	6.9E-4	1.5E-4	1.5E-4
AMS14	Anzac	61	97%	0	1.1E-5	2.5E-5	6.3E-5	1.1E-4	1.9E-4	4.9E-4	7.2E-4	1.5E-3	1.9E-4	2.5E-4
AMS21	Conklin	61	100%	7E-6	2.2E-5	2.9E-5	7E-5	1.3E-4	5.9E-4	1.3E-3	2.3E-3	5E-3	5.1E-4	9.2E-4
AMS22	Janvier	61	97%	0	1.5E-5	2.8E-5	4.8E-5	1E-4	1.7E-4	2.9E-4	4.7E-4	5.9E-4	1.4E-4	1.3E-4
AMS13	Fort McKay South	60	100%	4.4E-5	6.5E-5	9.1E-5	2.8E-4	5.7E-4	1.2E-3	2.1E-3	2.6E-3	3E-3	8.5E-4	7.7E-4
AMS23	Fort Hills	57	100%	1.4E-4	1.5E-4	1.9E-4	5.6E-4	1.1E-3	2.4E-3	5.1E-3	8.8E-3	9.7E-3	2.1E-3	2.4E-3
AMS30	Ells River	60	100%	1.4E-5	3.4E-5	6.3E-5	1.9E-4	3.6E-4	9.7E-4	1.5E-3	2.7E-3	5.5E-3	6.9E-4	9.2E-4





Particulate Matter <10µm Tested For Elements - Samarium (µg/m³) - 2022

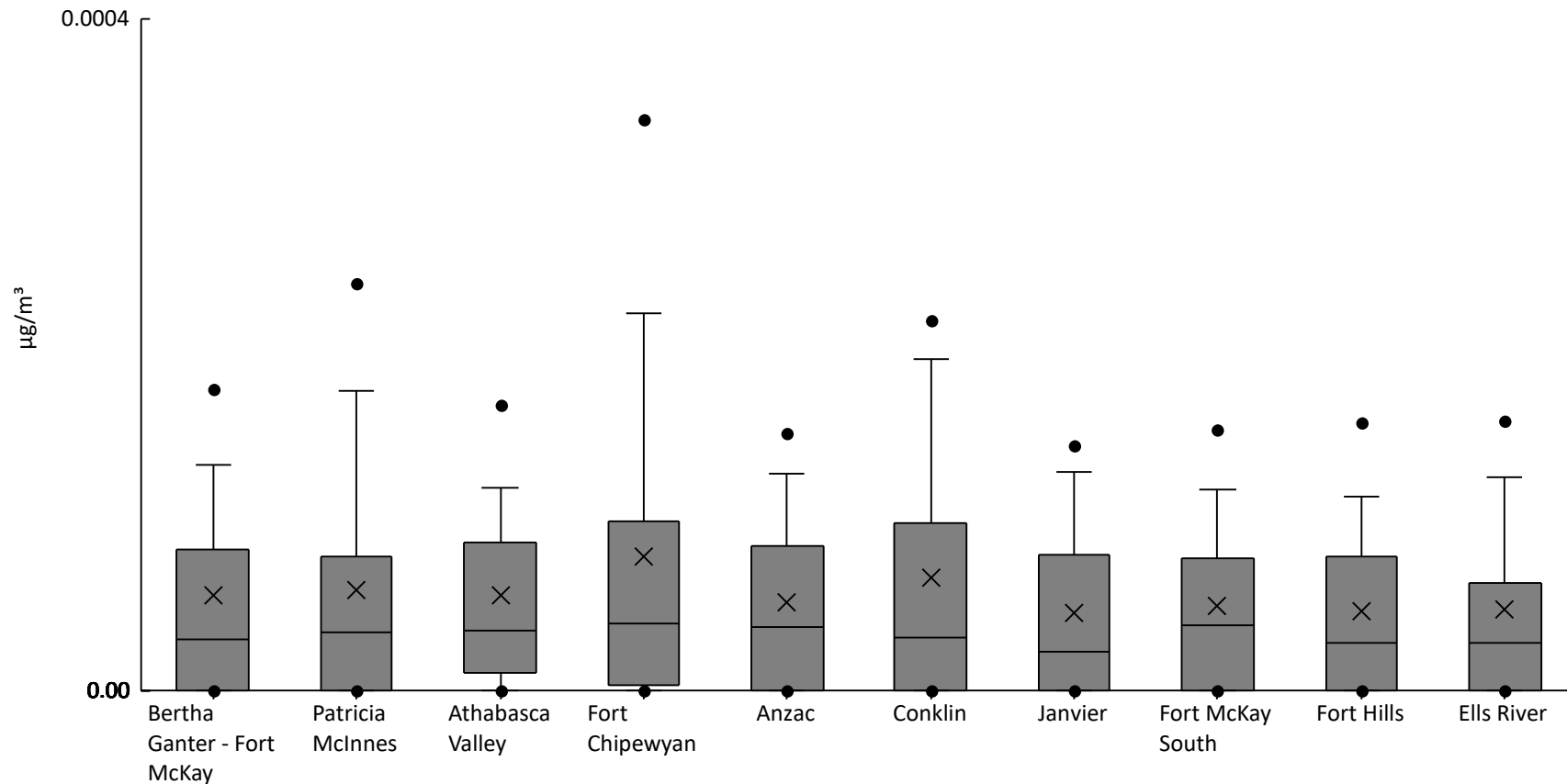
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	89%	0	0	4.6E-6	1.6E-5	5.3E-5	1E-4	1.9E-4	2.6E-4	2.9E-4	7.4E-5	7.6E-5
AMS06	Patricia McInnes	61	67%	0	0	6E-7	3.8E-6	1.6E-5	4.1E-5	6.4E-5	9.5E-5	1.4E-4	2.6E-5	3.1E-5
AMS07	Athabasca Valley	61	85%	0	0	2E-6	8.8E-6	1.5E-5	4.9E-5	9.3E-5	1.1E-4	1.9E-4	3.4E-5	3.8E-5
AMS08	Fort Chipewyan	44	52%	0	0	0	2.5E-6	6E-6	1.4E-5	3E-5	4.5E-5	5.2E-5	1.1E-5	1.3E-5
AMS14	Anzac	61	48%	0	0	1E-6	2.8E-6	5E-6	1.2E-5	1.9E-5	3.2E-5	5.2E-5	9.1E-6	1.1E-5
AMS21	Conklin	61	54%	0	0	0	2E-6	6E-6	2.7E-5	1E-4	1.8E-4	3.7E-4	3.4E-5	7.1E-5
AMS22	Janvier	61	43%	0	0	0	1E-6	3E-6	1.3E-5	2.3E-5	2.7E-5	6.5E-5	8.1E-6	1.1E-5
AMS13	Fort McKay South	60	85%	0	0	3.5E-6	1.4E-5	3.5E-5	8.5E-5	1.4E-4	1.6E-4	2.3E-4	5.5E-5	5.4E-5
AMS23	Fort Hills	57	98%	0	8.1E-6	1.3E-5	3.3E-5	9.1E-5	1.9E-4	3.6E-4	6.5E-4	7.1E-4	1.5E-4	1.8E-4
AMS30	Ells River	60	80%	0	5E-7	2E-6	8.5E-6	2.3E-5	6.2E-5	1E-4	1.7E-4	4.4E-4	4.6E-5	6.8E-5





Particulate Matter <10µm Tested For Elements - Selenium (µg/m³) - 2022

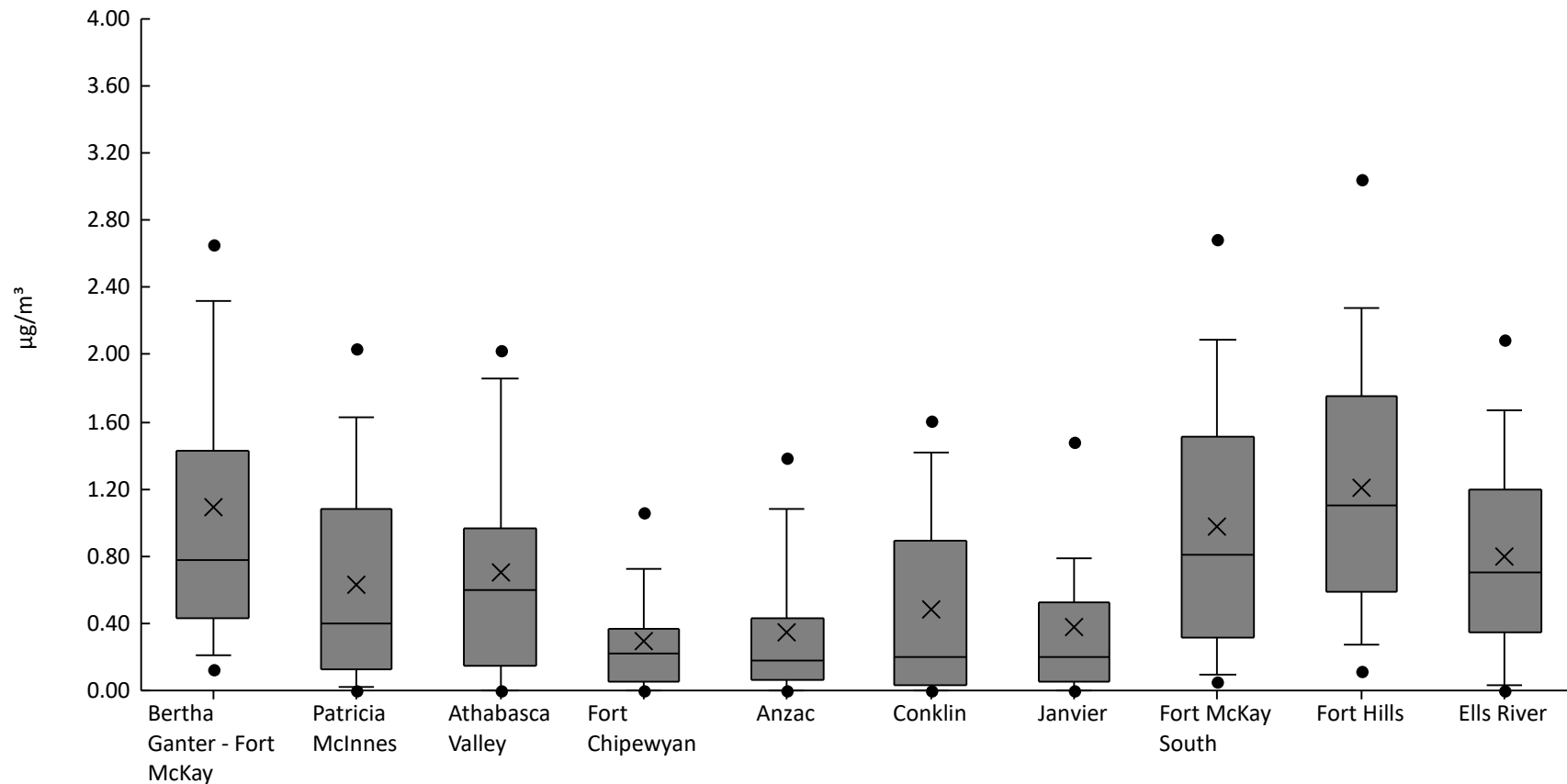
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	10%	0	0	0	0	3E-5	8.4E-5	1.3E-4	1.8E-4	4.5E-4	5.7E-5	7.8E-5
AMS06	Patricia McInnes	61	13%	0	0	0	0	3.5E-5	8E-5	1.8E-4	2.4E-4	3.3E-4	6E-5	7.6E-5
AMS07	Athabasca Valley	61	8%	0	0	0	1.1E-5	3.6E-5	8.8E-5	1.2E-4	1.7E-4	3E-4	5.7E-5	6.3E-5
AMS08	Fort Chipewyan	44	20%	0	0	0	3.5E-6	4E-5	1E-4	2.3E-4	3.4E-4	6E-4	8E-5	1.2E-4
AMS14	Anzac	61	10%	0	0	0	0	3.8E-5	8.6E-5	1.3E-4	1.5E-4	1.7E-4	5.2E-5	5.1E-5
AMS21	Conklin	61	18%	0	0	0	0	3.2E-5	1E-4	2E-4	2.2E-4	2.8E-4	6.7E-5	7.6E-5
AMS22	Janvier	61	10%	0	0	0	0	2.3E-5	8.1E-5	1.3E-4	1.5E-4	1.8E-4	4.6E-5	5.3E-5
AMS13	Fort McKay South	60	7%	0	0	0	0	3.9E-5	7.9E-5	1.2E-4	1.6E-4	1.9E-4	5E-5	5.1E-5
AMS23	Fort Hills	57	7%	0	0	0	0	2.8E-5	8E-5	1.2E-4	1.6E-4	2.3E-4	4.7E-5	5.5E-5
AMS30	Ells River	60	8%	0	0	0	0	2.8E-5	6.5E-5	1.3E-4	1.6E-4	5.1E-4	4.9E-5	7.8E-5





Particulate Matter <10µm Tested For Elements - Silicon (µg/m³) - 2022

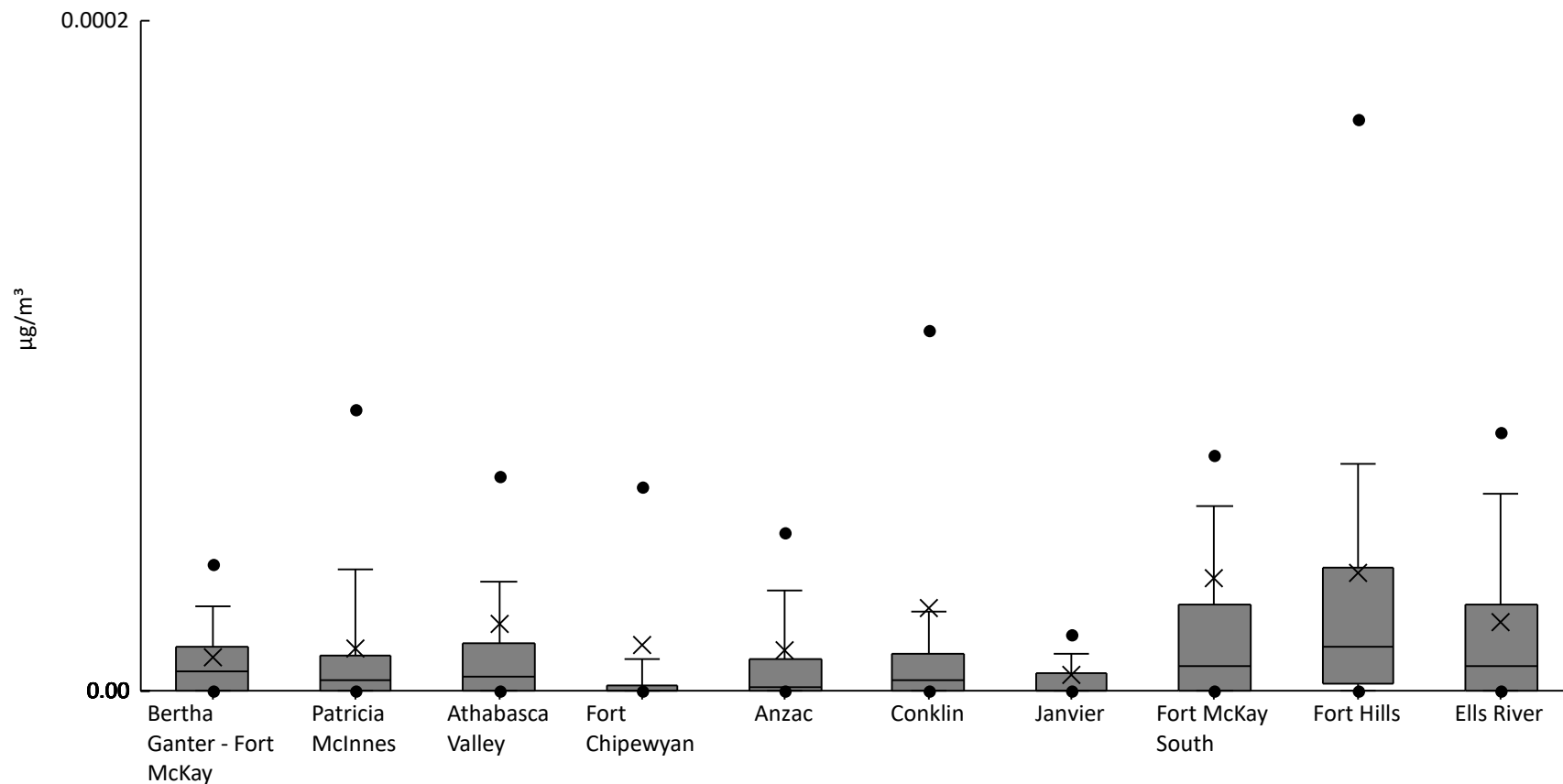
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.13	0.21	0.43	0.78	1.4	2.3	2.7	4.7	1.1	0.97
AMS06	Patricia McInnes	61	92%	0	0	0.021	0.13	0.4	1.1	1.6	2	2.5	0.63	0.65
AMS07	Athabasca Valley	61	89%	0	0	0	0.15	0.59	0.96	1.9	2	2.8	0.7	0.67
AMS08	Fort Chipewyan	44	82%	0	0	5E-4	0.051	0.22	0.37	0.73	1.1	1.5	0.3	0.34
AMS14	Anzac	61	82%	0	0	0	0.062	0.18	0.43	1.1	1.4	1.5	0.35	0.42
AMS21	Conklin	61	80%	0	0	0	0.03	0.2	0.89	1.4	1.6	2.1	0.49	0.59
AMS22	Janvier	61	84%	0	0	0	0.049	0.2	0.53	0.79	1.5	3.7	0.38	0.58
AMS13	Fort McKay South	60	98%	0	0.049	0.094	0.32	0.81	1.5	2.1	2.7	3	0.98	0.81
AMS23	Fort Hills	57	98%	0	0.11	0.27	0.59	1.1	1.8	2.3	3	3.8	1.2	0.85
AMS30	Ells River	60	93%	0	4.6E-3	0.036	0.34	0.7	1.2	1.7	2.1	2.3	0.8	0.62





Particulate Matter <10µm Tested For Elements - Silver (µg/m³) - 2022

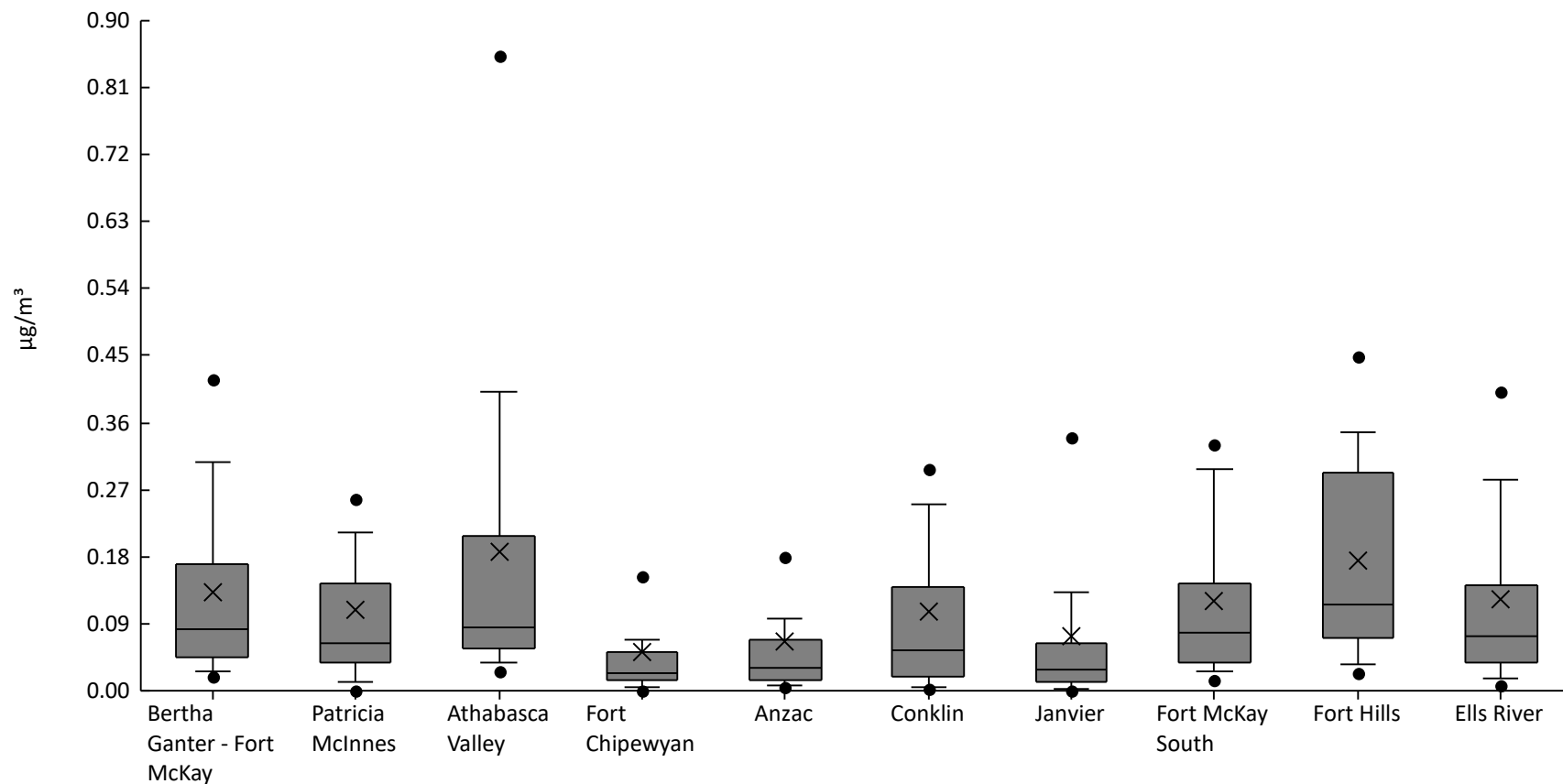
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	51%	0	0	0	0	6E-6	1.3E-5	2.5E-5	3.8E-5	7.1E-5	9.7E-6	1.4E-5
AMS06	Patricia McInnes	61	44%	0	0	0	0	3E-6	1E-5	3.6E-5	8.4E-5	1.1E-4	1.3E-5	2.5E-5
AMS07	Athabasca Valley	61	48%	0	0	0	0	4E-6	1.4E-5	3.3E-5	6.4E-5	5.3E-4	2E-5	6.9E-5
AMS08	Fort Chipewyan	44	16%	0	0	0	0	0	1.5E-6	9.4E-6	6.1E-5	3.9E-4	1.4E-5	6.1E-5
AMS14	Anzac	61	33%	0	0	0	0	1E-6	9.5E-6	3E-5	4.7E-5	2.1E-4	1.2E-5	3.3E-5
AMS21	Conklin	61	43%	0	0	0	0	3E-6	1.1E-5	2.4E-5	1.1E-4	6.1E-4	2.5E-5	9.1E-5
AMS22	Janvier	61	25%	0	0	0	0	0	5.3E-6	1.1E-5	1.7E-5	8E-5	4.6E-6	1.1E-5
AMS13	Fort McKay South	60	60%	0	0	0	0	7.5E-6	2.6E-5	5.5E-5	7.1E-5	8E-4	3.3E-5	1.1E-4
AMS23	Fort Hills	57	65%	0	0	0	2E-6	1.3E-5	3.7E-5	6.8E-5	1.7E-4	3.9E-4	3.5E-5	6.6E-5
AMS30	Ells River	60	58%	0	0	0	0	7.5E-6	2.6E-5	5.9E-5	7.7E-5	2.1E-4	2E-5	3.5E-5





Particulate Matter <10µm Tested For Elements - Sodium (µg/m³) - 2022

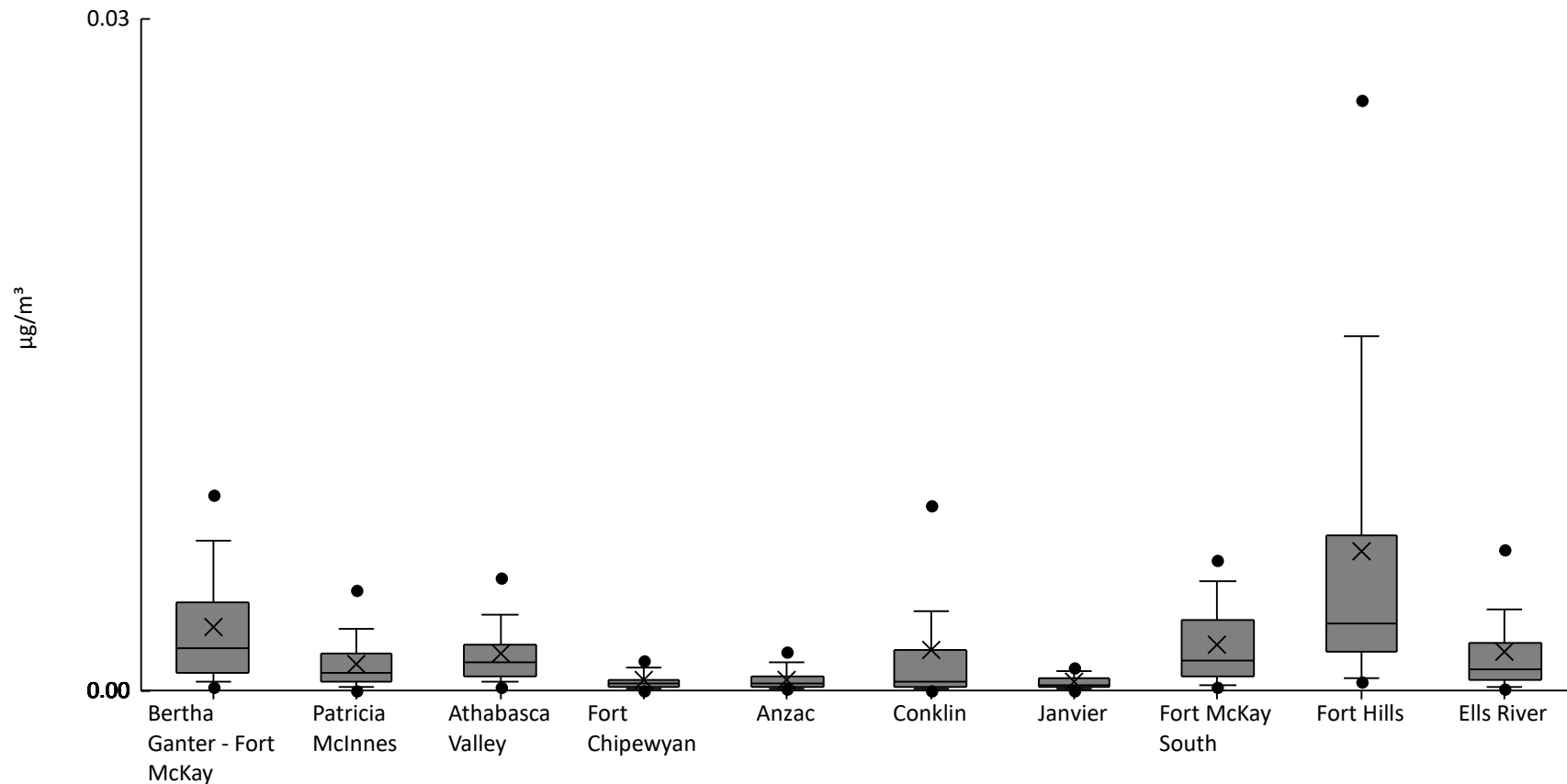
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	0.02	0.026	0.045	0.083	0.17	0.31	0.42	0.84	0.13	0.14
AMS06	Patricia McInnes	61	93%	0	0	0.011	0.037	0.064	0.15	0.21	0.26	0.93	0.11	0.14
AMS07	Athabasca Valley	61	97%	0	0.027	0.037	0.056	0.084	0.21	0.4	0.85	1.4	0.19	0.26
AMS08	Fort Chipewyan	44	93%	0	0	3.8E-3	0.014	0.023	0.051	0.07	0.15	0.8	0.052	0.12
AMS14	Anzac	61	97%	0	3.9E-3	6.8E-3	0.014	0.031	0.069	0.096	0.18	0.88	0.065	0.14
AMS21	Conklin	61	97%	0	2.8E-3	4.6E-3	0.019	0.055	0.14	0.25	0.3	0.92	0.11	0.15
AMS22	Janvier	61	92%	0	0	3.2E-3	0.012	0.028	0.063	0.13	0.34	0.81	0.072	0.15
AMS13	Fort McKay South	60	98%	0	0.014	0.026	0.038	0.078	0.14	0.3	0.33	0.67	0.12	0.13
AMS23	Fort Hills	57	100%	0.016	0.024	0.036	0.071	0.12	0.29	0.35	0.45	0.69	0.18	0.15
AMS30	Ells River	60	98%	0	6.1E-3	0.017	0.037	0.073	0.14	0.28	0.4	0.81	0.12	0.16





Particulate Matter <10µm Tested For Elements - Strontium (µg/m³) - 2022

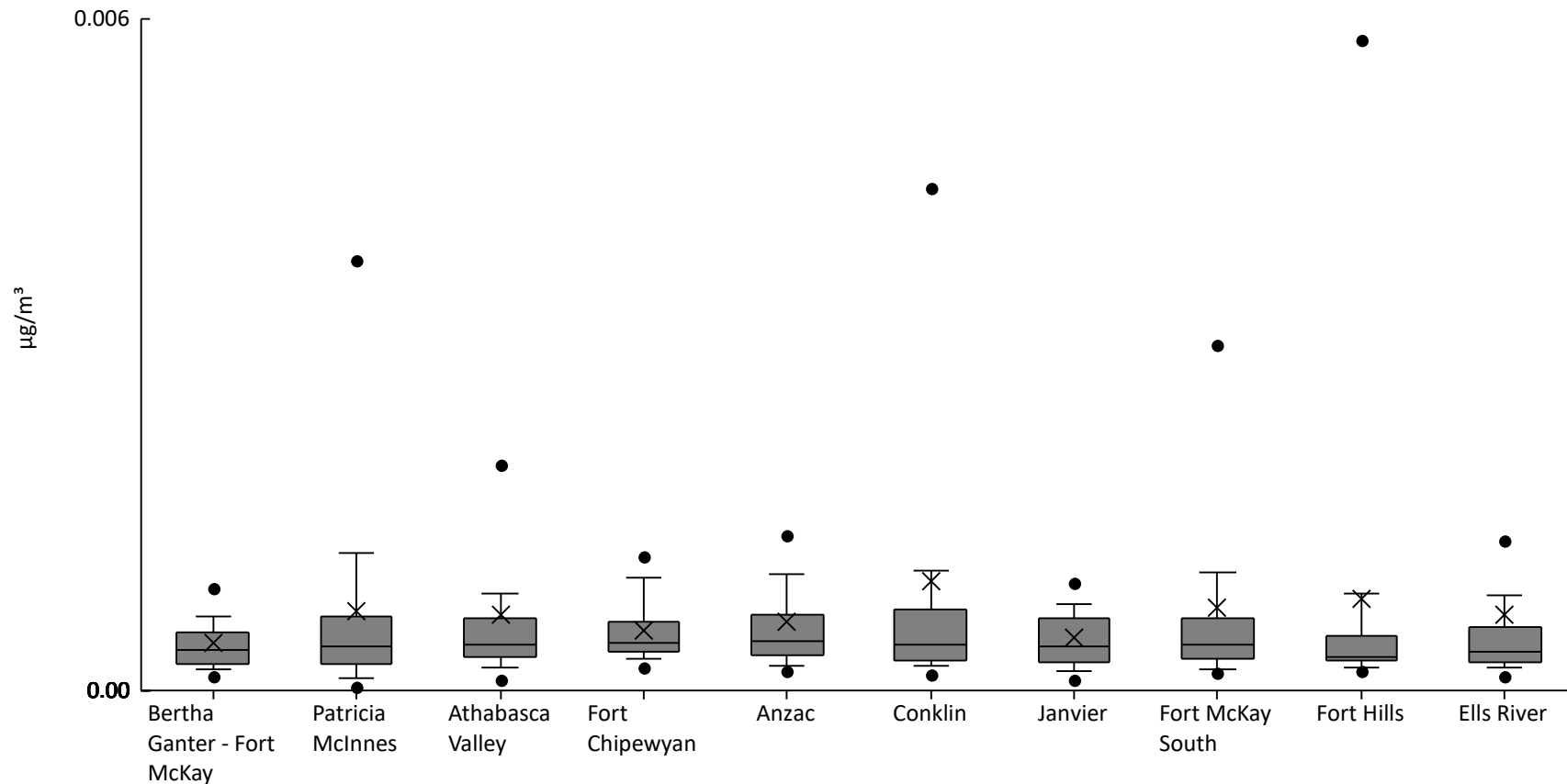
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	1.7E-4	3.8E-4	8E-4	1.9E-3	3.9E-3	6.7E-3	8.8E-3	0.012	2.8E-3	2.8E-3
AMS06	Patricia McInnes	61	93%	0	0	1.4E-4	3.9E-4	8E-4	1.6E-3	2.8E-3	4.5E-3	6.4E-3	1.2E-3	1.3E-3
AMS07	Athabasca Valley	61	97%	0	2E-4	4.3E-4	6.3E-4	1.3E-3	2E-3	3.4E-3	5E-3	9.2E-3	1.7E-3	1.6E-3
AMS08	Fort Chipewyan	44	95%	0	2.1E-5	6.3E-5	1.5E-4	3E-4	4.6E-4	1.1E-3	1.3E-3	4.3E-3	4.8E-4	6.9E-4
AMS14	Anzac	61	98%	2E-6	5.4E-5	9.8E-5	1.9E-4	3E-4	6.3E-4	1.3E-3	1.7E-3	3.1E-3	5E-4	5.6E-4
AMS21	Conklin	61	98%	5E-6	2.8E-5	8.8E-5	1.3E-4	4.2E-4	1.8E-3	3.5E-3	8.2E-3	0.022	1.8E-3	4E-3
AMS22	Janvier	61	95%	0	2.2E-5	5.1E-5	1.5E-4	2.6E-4	5.1E-4	8.3E-4	1.1E-3	1.6E-3	3.7E-4	3.3E-4
AMS13	Fort McKay South	60	100%	1.1E-4	1.5E-4	2.4E-4	6.2E-4	1.3E-3	3.1E-3	4.9E-3	5.8E-3	7.5E-3	2.1E-3	1.8E-3
AMS23	Fort Hills	57	100%	2E-4	3.6E-4	5.4E-4	1.7E-3	3E-3	6.9E-3	0.016	0.026	0.035	6.2E-3	7.8E-3
AMS30	Ells River	60	98%	7E-6	9E-5	1.9E-4	4.6E-4	9.2E-4	2.1E-3	3.6E-3	6.3E-3	0.014	1.7E-3	2.4E-3





Particulate Matter <10µm Tested For Elements - Tantalum (µg/m³) - 2022

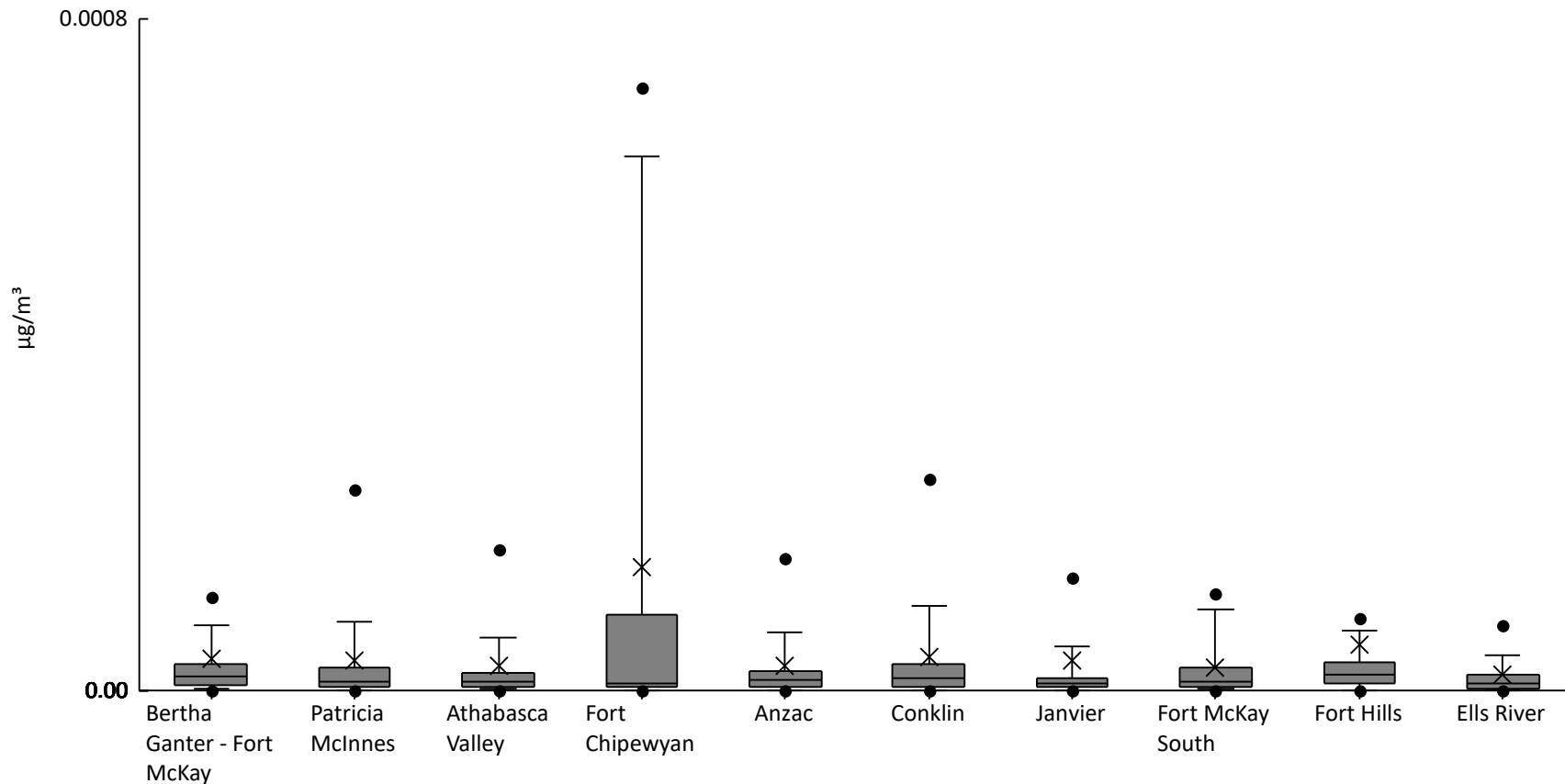
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	2E-6	1.2E-4	1.9E-4	2.4E-4	3.6E-4	5.3E-4	6.6E-4	9.1E-4	2E-3	4.3E-4	2.9E-4
AMS06	Patricia McInnes	61	98%	0	2.5E-5	1.2E-4	2.3E-4	4E-4	6.7E-4	1.2E-3	3.8E-3	4.7E-3	7.1E-4	1E-3
AMS07	Athabasca Valley	61	98%	0	8.8E-5	2E-4	3E-4	4.1E-4	6.4E-4	8.6E-4	2E-3	9.7E-3	6.8E-4	1.3E-3
AMS08	Fort Chipewyan	44	100%	1.3E-4	2.1E-4	2.8E-4	3.5E-4	4.2E-4	6.1E-4	1E-3	1.2E-3	1.6E-3	5.4E-4	3.1E-4
AMS14	Anzac	61	100%	7E-6	1.8E-4	2.3E-4	3.1E-4	4.4E-4	6.8E-4	1E-3	1.4E-3	5.7E-3	6.1E-4	7.4E-4
AMS21	Conklin	61	100%	7E-6	1.5E-4	2.2E-4	2.7E-4	4.1E-4	7.3E-4	1.1E-3	4.5E-3	0.012	9.8E-4	2.1E-3
AMS22	Janvier	61	100%	9E-6	8.8E-5	1.7E-4	2.6E-4	3.9E-4	6.4E-4	7.7E-4	9.6E-4	2.3E-3	4.7E-4	3.4E-4
AMS13	Fort McKay South	60	100%	1.4E-5	1.6E-4	1.9E-4	2.9E-4	4E-4	6.5E-4	1.1E-3	3.1E-3	8E-3	7.4E-4	1.2E-3
AMS23	Fort Hills	57	100%	1.5E-4	1.8E-4	2E-4	2.7E-4	3.1E-4	4.9E-4	8.6E-4	5.8E-3	9.4E-3	8.2E-4	1.7E-3
AMS30	Ells River	60	100%	2.3E-5	1.2E-4	2.1E-4	2.6E-4	3.4E-4	5.6E-4	8.5E-4	1.3E-3	8.2E-3	6.7E-4	1.3E-3





Particulate Matter <10µm Tested For Elements - Thallium (µg/m³) - 2022

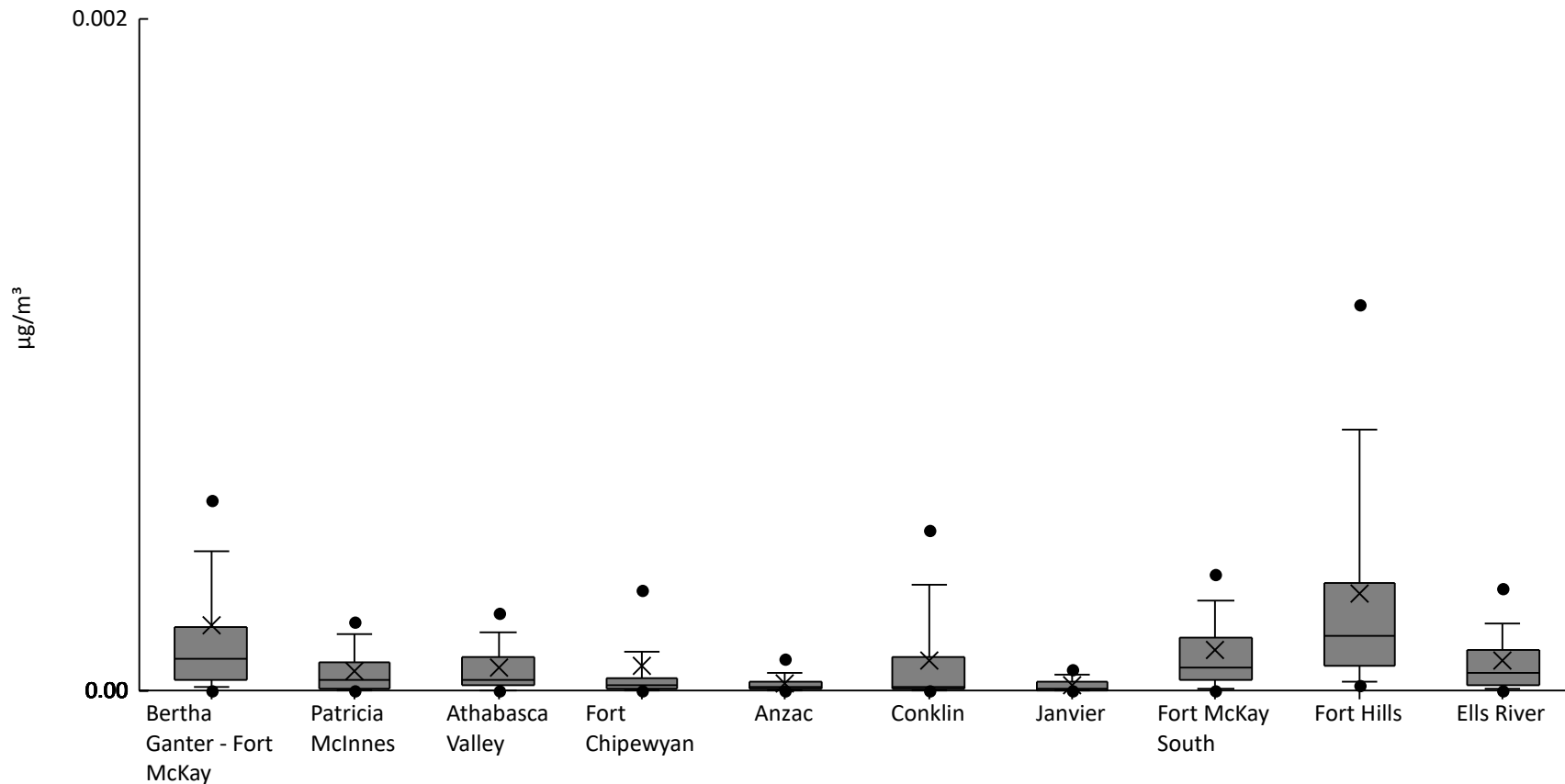
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	84%	0	0	1.2E-6	7E-6	1.6E-5	3.2E-5	7.7E-5	1.1E-4	5.4E-4	3.8E-5	7.8E-5
AMS06	Patricia McInnes	61	74%	0	0	0	4E-6	1.1E-5	2.6E-5	8.2E-5	2.4E-4	3.6E-4	3.5E-5	7E-5
AMS07	Athabasca Valley	61	77%	0	0	1.2E-6	5E-6	1E-5	2.2E-5	6.2E-5	1.7E-4	3.2E-4	2.9E-5	5.9E-5
AMS08	Fort Chipewyan	44	70%	0	0	9E-7	4E-6	8.5E-6	9.1E-5	6.4E-4	7.2E-4	2E-3	1.5E-4	3.5E-4
AMS14	Anzac	61	72%	0	0	0	4E-6	1.2E-5	2.3E-5	6.9E-5	1.6E-4	3E-4	2.9E-5	5.4E-5
AMS21	Conklin	61	70%	0	0	0	3.8E-6	1.4E-5	3.2E-5	1E-4	2.5E-4	3.4E-4	4.1E-5	7.5E-5
AMS22	Janvier	61	69%	0	0	0	4E-6	8E-6	1.5E-5	5.2E-5	1.3E-4	9.2E-4	3.5E-5	1.2E-4
AMS13	Fort McKay South	60	78%	0	0	2E-6	5E-6	1.1E-5	2.7E-5	9.8E-5	1.2E-4	2.4E-4	2.8E-5	4.3E-5
AMS23	Fort Hills	57	82%	0	0	0	7.8E-6	1.8E-5	3.3E-5	7.2E-5	8.6E-5	1.7E-3	5.4E-5	2.3E-4
AMS30	Ells River	60	63%	0	0	0	3E-6	9E-6	1.9E-5	4.2E-5	7.8E-5	3.1E-4	2E-5	4.3E-5





Particulate Matter <10µm Tested For Elements - Thorium (µg/m³) - 2022

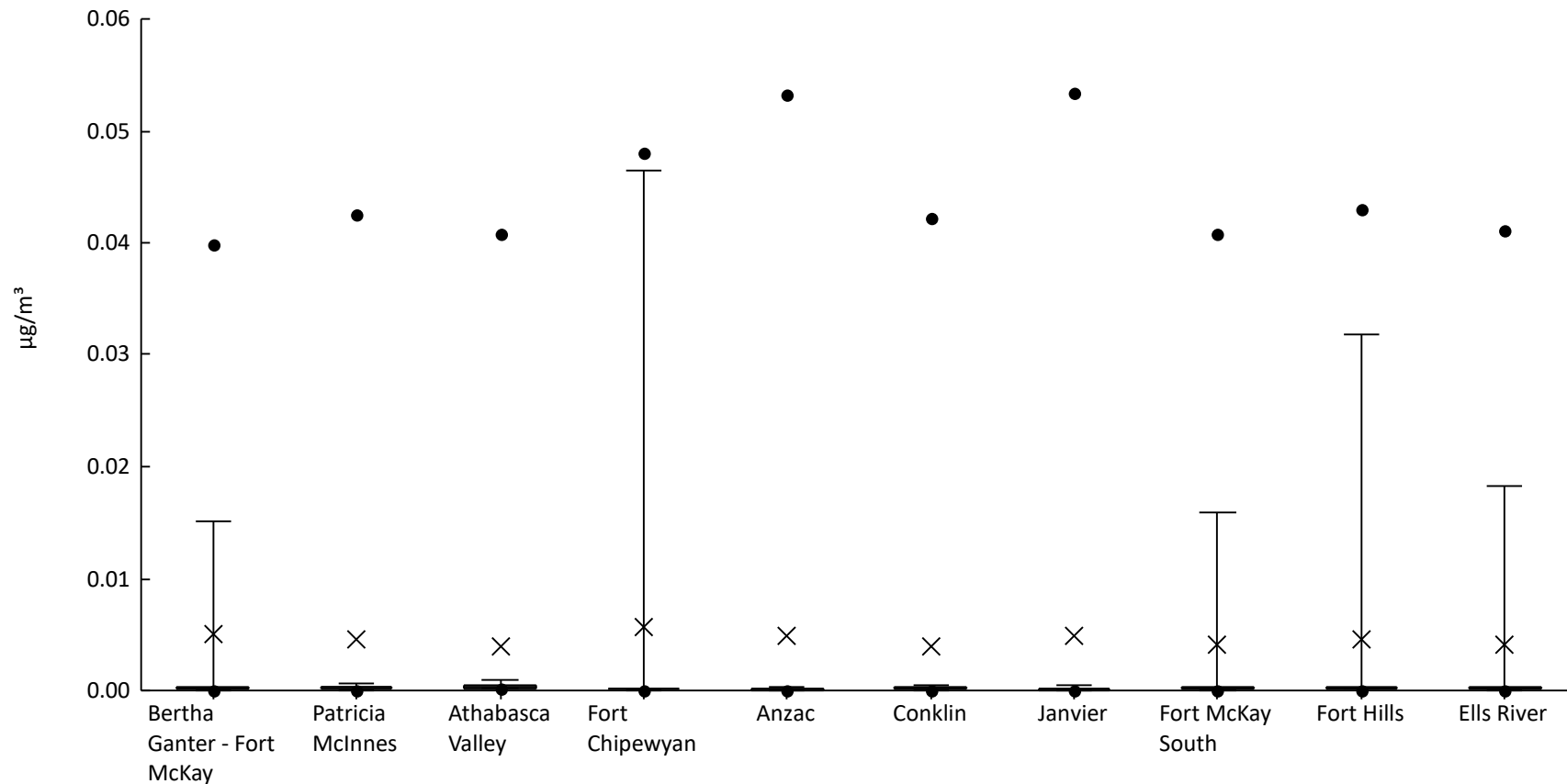
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	93%	0	1E-6	8.6E-6	3E-5	9.4E-5	1.9E-4	4.1E-4	5.7E-4	2.5E-3	1.9E-4	3.7E-4
AMS06	Patricia McInnes	61	85%	0	0	1E-6	7E-6	3.1E-5	8.3E-5	1.7E-4	2E-4	5.4E-4	6E-5	8.6E-5
AMS07	Athabasca Valley	61	93%	0	5.5E-7	2.6E-6	1.4E-5	3.3E-5	9.9E-5	1.7E-4	2.3E-4	4.9E-4	7E-5	9.1E-5
AMS08	Fort Chipewyan	44	84%	0	0	1.8E-6	6E-6	1.7E-5	3.7E-5	1.2E-4	3E-4	1.3E-3	7.2E-5	2.1E-4
AMS14	Anzac	61	90%	0	0	2E-6	6E-6	1.2E-5	2.8E-5	5.3E-5	9.6E-5	2.1E-4	2.3E-5	3.4E-5
AMS21	Conklin	61	84%	0	0	2E-6	3E-6	1.3E-5	1E-4	3.2E-4	4.8E-4	7.5E-4	8.7E-5	1.6E-4
AMS22	Janvier	61	77%	0	0	0	2E-6	7E-6	2.5E-5	4.8E-5	6.5E-5	1.1E-4	1.7E-5	2.3E-5
AMS13	Fort McKay South	60	97%	0	2E-6	5E-6	3.1E-5	7E-5	1.6E-4	2.7E-4	3.5E-4	9.7E-4	1.2E-4	1.5E-4
AMS23	Fort Hills	57	98%	0	1.8E-5	2.7E-5	7.5E-5	1.6E-4	3.2E-4	7.8E-4	1.2E-3	1.6E-3	2.9E-4	3.5E-4
AMS30	Ells River	60	95%	0	1.5E-6	4E-6	1.8E-5	5.4E-5	1.2E-4	2E-4	3E-4	8.5E-4	8.8E-5	1.3E-4





Particulate Matter <10µm Tested For Elements - Tin (µg/m³) - 2022

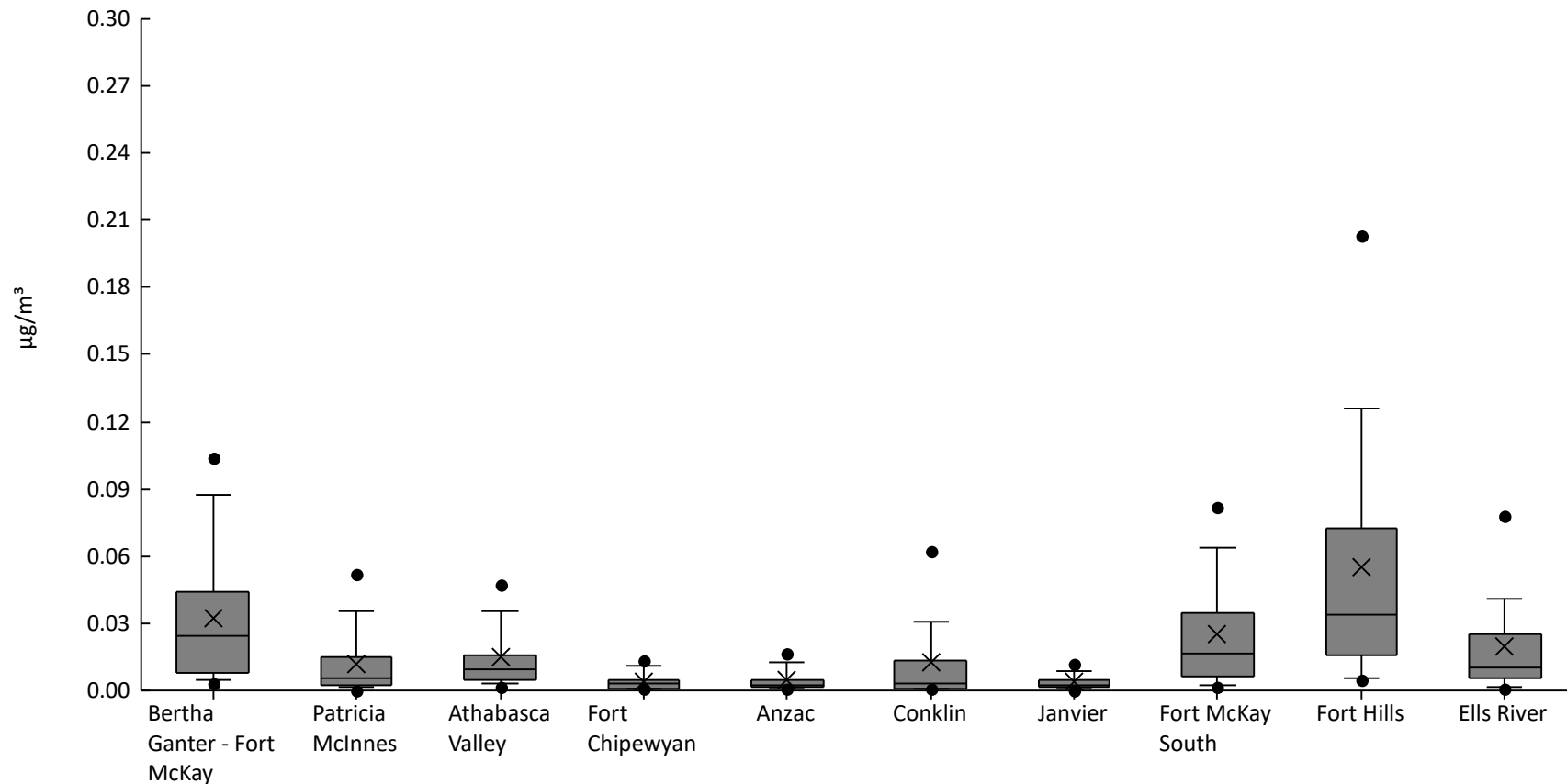
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	3.1E-5	6.7E-5	1.1E-4	1.8E-4	2.7E-4	0.015	0.04	0.069	5E-3	0.015
AMS06	Patricia McInnes	61	92%	0	0	4.9E-5	1.4E-4	2.6E-4	3.8E-4	5.6E-4	0.043	0.071	4.6E-3	0.015
AMS07	Athabasca Valley	61	97%	0	9.2E-5	1.2E-4	2.1E-4	3.4E-4	4.8E-4	9.1E-4	0.041	0.073	4E-3	0.014
AMS08	Fort Chipewyan	44	91%	0	0	3.7E-5	8.7E-5	1.5E-4	2.3E-4	0.046	0.048	0.051	5.6E-3	0.015
AMS14	Anzac	61	97%	0	3.5E-5	5.2E-5	7.2E-5	1.3E-4	1.9E-4	2.8E-4	0.053	0.074	4.9E-3	0.017
AMS21	Conklin	61	95%	0	1E-5	3.7E-5	8.5E-5	1.4E-4	2.5E-4	4.9E-4	0.042	0.076	4E-3	0.015
AMS22	Janvier	61	90%	0	0	9.4E-6	7.2E-5	1.4E-4	2.1E-4	4.5E-4	0.053	0.071	4.9E-3	0.016
AMS13	Fort McKay South	60	97%	0	4.8E-5	7.3E-5	1.2E-4	1.8E-4	2.9E-4	0.016	0.041	0.044	4.1E-3	0.012
AMS23	Fort Hills	57	98%	0	7.7E-5	1.2E-4	1.5E-4	2.1E-4	3.3E-4	0.032	0.043	0.044	4.6E-3	0.013
AMS30	Ells River	60	98%	0	3.2E-5	4.4E-5	9.7E-5	1.5E-4	2.6E-4	0.018	0.041	0.043	4.1E-3	0.012





Particulate Matter <10µm Tested For Elements - Titanium (µg/m³) - 2022

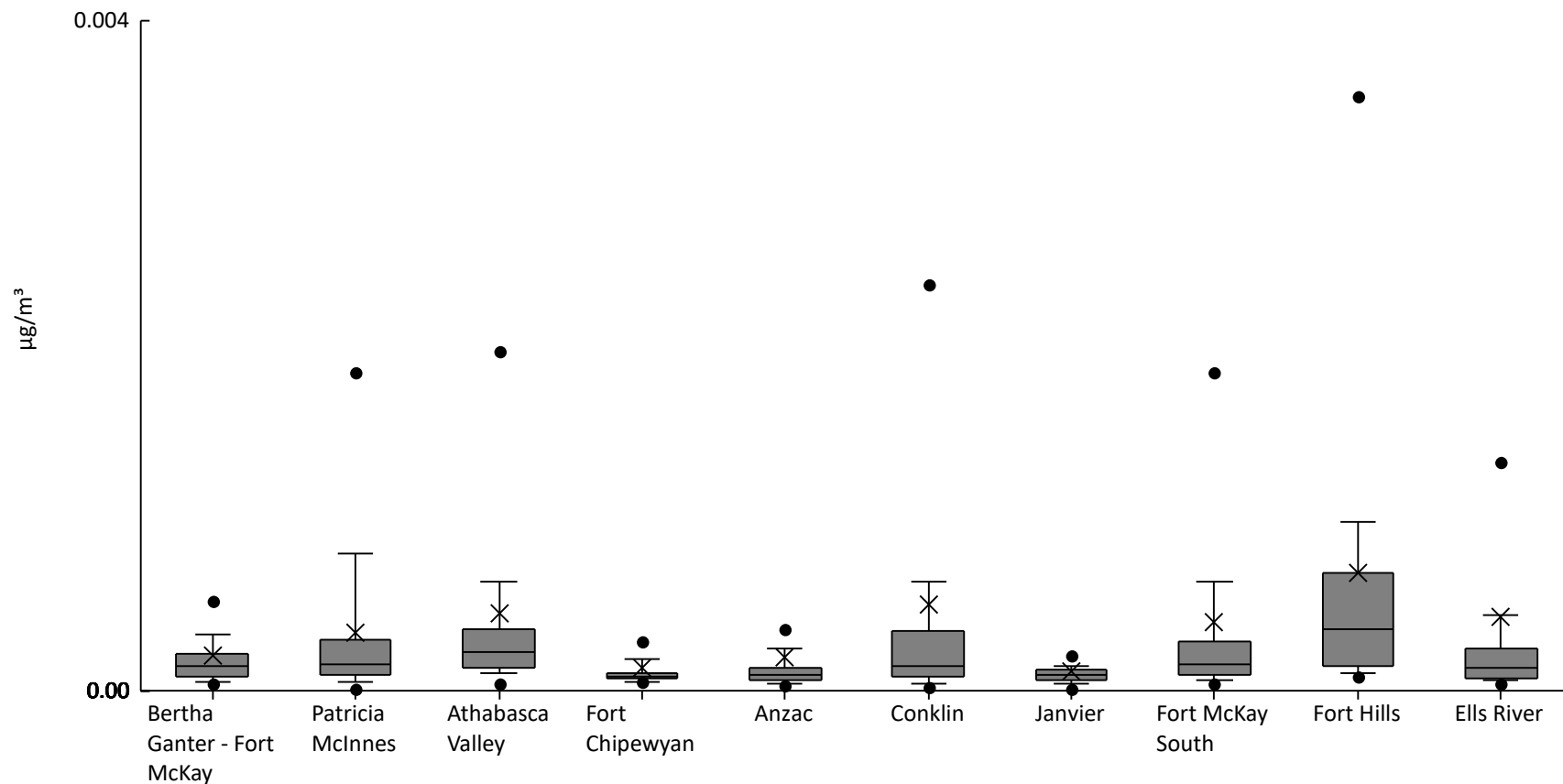
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	2.8E-3	4.8E-3	8.2E-3	0.024	0.044	0.087	0.1	0.14	0.032	0.032
AMS06	Patricia McInnes	61	93%	0	0	1.5E-3	2.5E-3	5.6E-3	0.015	0.035	0.052	0.059	0.012	0.015
AMS07	Athabasca Valley	61	97%	0	1.7E-3	3.4E-3	4.5E-3	9.1E-3	0.016	0.036	0.047	0.078	0.015	0.016
AMS08	Fort Chipewyan	44	100%	3.5E-4	5E-4	6.8E-4	1.2E-3	2.8E-3	4.4E-3	0.011	0.013	0.022	3.9E-3	4.4E-3
AMS14	Anzac	61	98%	0	7.3E-4	9E-4	1.5E-3	2.2E-3	4.8E-3	0.013	0.017	0.038	4.7E-3	6.5E-3
AMS21	Conklin	61	98%	0	6.2E-4	6.9E-4	1.1E-3	2.8E-3	0.014	0.031	0.062	0.12	0.013	0.024
AMS22	Janvier	61	95%	0	2.9E-4	7.3E-4	1.2E-3	2.3E-3	4.9E-3	9E-3	0.011	0.018	3.7E-3	3.9E-3
AMS13	Fort McKay South	60	98%	0	1.2E-3	2.1E-3	6E-3	0.017	0.034	0.064	0.082	0.12	0.025	0.025
AMS23	Fort Hills	57	100%	2.6E-3	4.7E-3	5.8E-3	0.016	0.034	0.072	0.13	0.2	0.24	0.055	0.058
AMS30	Ells River	60	98%	0	1.1E-3	1.9E-3	5.6E-3	0.01	0.025	0.041	0.078	0.16	0.02	0.026





Particulate Matter <10µm Tested For Elements - Tungsten (µg/m³) - 2022

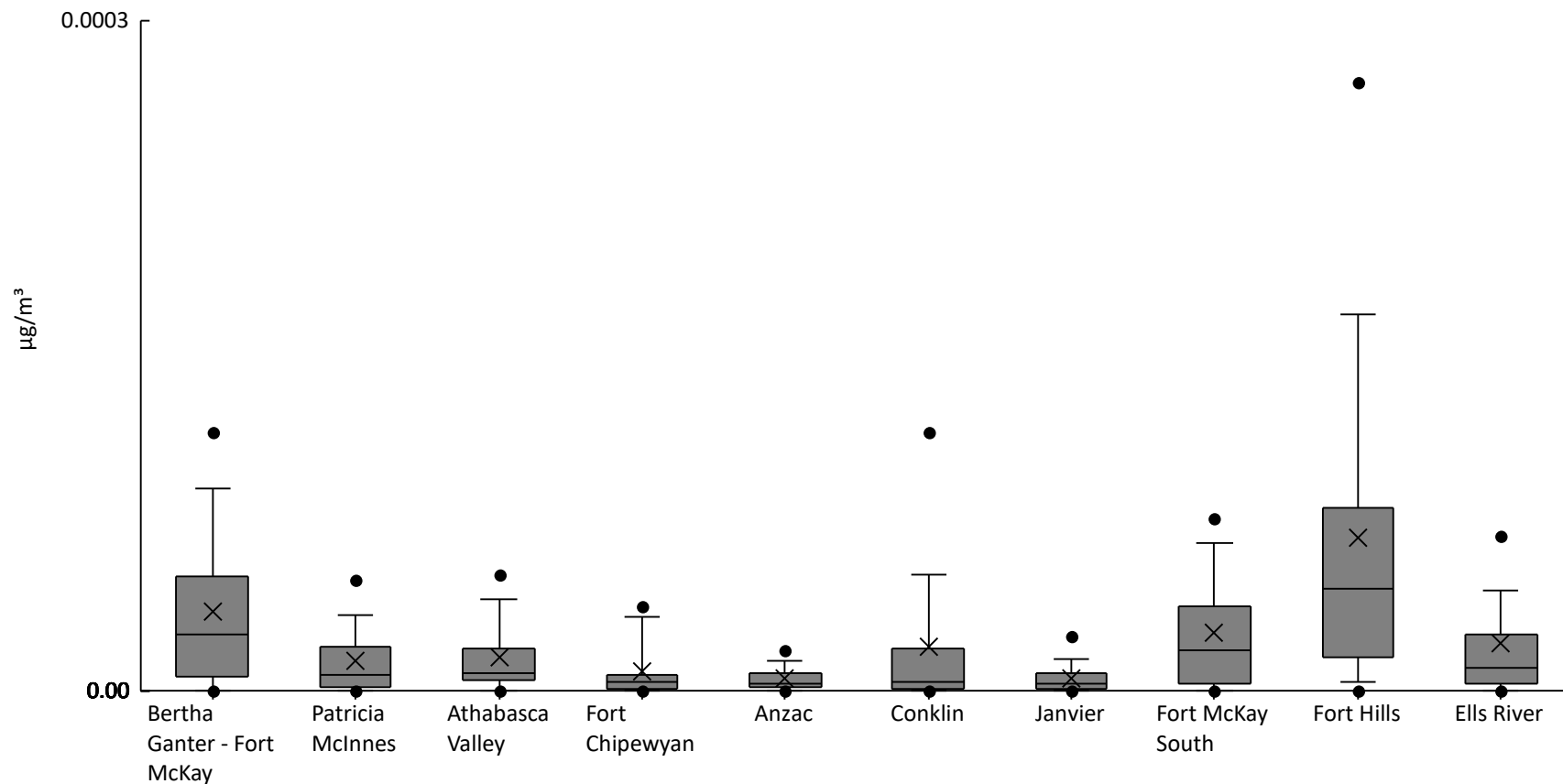
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	98%	0	3.9E-5	5.1E-5	8.1E-5	1.5E-4	2.2E-4	3.3E-4	5.4E-4	2.4E-3	2.1E-4	3.2E-4
AMS06	Patricia McInnes	61	95%	0	9.7E-6	5.5E-5	9.4E-5	1.6E-4	3.1E-4	8.2E-4	1.9E-3	2.3E-3	3.4E-4	5.2E-4
AMS07	Athabasca Valley	61	98%	1E-6	3.8E-5	1E-4	1.4E-4	2.4E-4	3.7E-4	6.5E-4	2E-3	6.6E-3	4.6E-4	9.3E-4
AMS08	Fort Chipewyan	44	100%	1.5E-5	4.9E-5	5.1E-5	7.3E-5	7.9E-5	1.1E-4	1.9E-4	2.9E-4	1.7E-3	1.4E-4	2.5E-4
AMS14	Anzac	61	98%	3E-6	3E-5	4.3E-5	6.7E-5	9.2E-5	1.4E-4	2.5E-4	3.7E-4	5.1E-3	2E-4	6.4E-4
AMS21	Conklin	61	100%	9E-6	2.4E-5	4.3E-5	8.1E-5	1.4E-4	3.6E-4	6.5E-4	2.4E-3	7.6E-3	5.1E-4	1.4E-3
AMS22	Janvier	61	97%	1E-6	6.1E-6	4.5E-5	6.1E-5	9.3E-5	1.2E-4	1.5E-4	2.1E-4	1.5E-3	1.2E-4	1.9E-4
AMS13	Fort McKay South	60	98%	1E-6	4.7E-5	6.2E-5	9.2E-5	1.6E-4	3E-4	6.5E-4	1.9E-3	6.9E-3	4.1E-4	9.9E-4
AMS23	Fort Hills	57	100%	7.1E-5	8.1E-5	1.1E-4	1.4E-4	3.6E-4	7.1E-4	1E-3	3.5E-3	7.6E-3	7E-4	1.3E-3
AMS30	Ells River	60	98%	0	4.2E-5	6E-5	7.9E-5	1.4E-4	2.5E-4	4.5E-4	1.4E-3	8.5E-3	4.4E-4	1.3E-3





Particulate Matter <10µm Tested For Elements - Uranium (µg/m³) - 2022

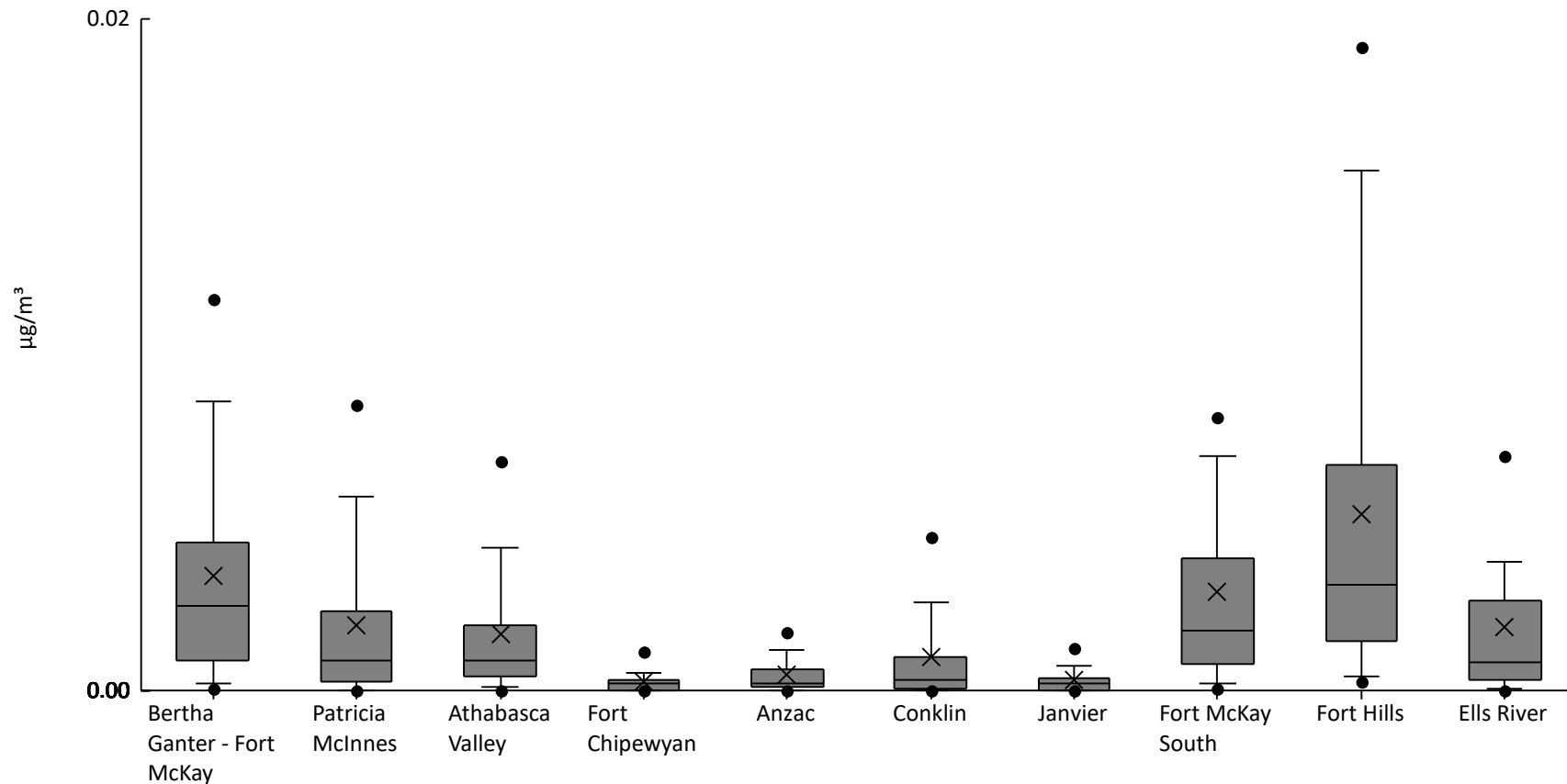
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	84%	0	0	0	6E-6	2.5E-5	5.1E-5	9E-5	1.2E-4	1.5E-4	3.5E-5	3.6E-5
AMS06	Patricia McInnes	61	72%	0	0	0	1.8E-6	7E-6	2E-5	3.4E-5	5E-5	6.4E-5	1.3E-5	1.6E-5
AMS07	Athabasca Valley	61	82%	0	0	0	4.8E-6	8E-6	1.9E-5	4.1E-5	5.2E-5	7.6E-5	1.5E-5	1.7E-5
AMS08	Fort Chipewyan	44	59%	0	0	0	1E-6	4E-6	7E-6	3.3E-5	3.8E-5	4.8E-5	8.8E-6	1.3E-5
AMS14	Anzac	61	61%	0	0	0	1.8E-6	3E-6	8E-6	1.3E-5	1.8E-5	3.1E-5	5.6E-6	6.2E-6
AMS21	Conklin	61	66%	0	0	0	1E-6	4E-6	1.9E-5	5.2E-5	1.2E-4	2.2E-4	2E-5	4.1E-5
AMS22	Janvier	61	56%	0	0	0	1E-6	3E-6	8E-6	1.4E-5	2.4E-5	3.4E-5	5.7E-6	7.2E-6
AMS13	Fort McKay South	60	82%	0	0	0	3.5E-6	1.8E-5	3.8E-5	6.7E-5	7.7E-5	1.2E-4	2.6E-5	2.7E-5
AMS23	Fort Hills	57	93%	0	0	4.2E-6	1.5E-5	4.6E-5	8.2E-5	1.7E-4	2.7E-4	3.5E-4	6.8E-5	8.1E-5
AMS30	Ells River	60	78%	0	0	0	3E-6	1.1E-5	2.5E-5	4.5E-5	6.9E-5	2.3E-4	2.1E-5	3.4E-5





Particulate Matter <10µm Tested For Elements - Vanadium (µg/m³) - 2022

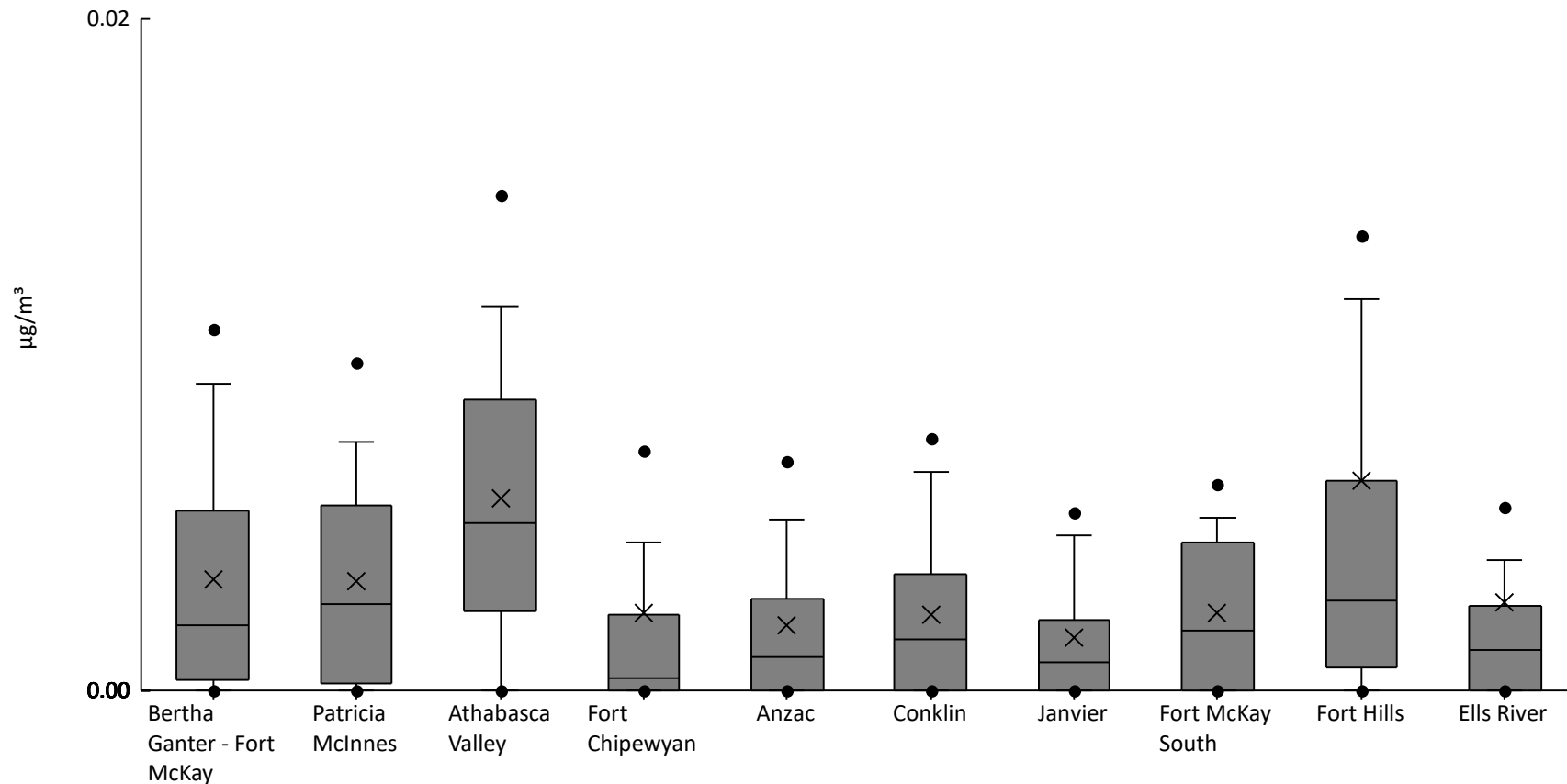
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	97%	0	7.6E-5	2.1E-4	9E-4	2.5E-3	4.4E-3	8.6E-3	0.012	0.014	3.4E-3	3.5E-3
AMS06	Patricia McInnes	61	89%	0	0	0	2.6E-4	8.8E-4	2.4E-3	5.8E-3	8.5E-3	0.016	2E-3	2.9E-3
AMS07	Athabasca Valley	61	90%	0	0	9.6E-5	4.1E-4	9.1E-4	1.9E-3	4.3E-3	6.8E-3	8.8E-3	1.7E-3	2E-3
AMS08	Fort Chipewyan	44	73%	0	0	0	5E-7	2.1E-4	3E-4	5E-4	1.1E-3	1.8E-3	2.5E-4	3.6E-4
AMS14	Anzac	61	82%	0	0	0	9.7E-5	2.2E-4	6.2E-4	1.2E-3	1.8E-3	4.3E-3	4.7E-4	6.9E-4
AMS21	Conklin	61	84%	0	0	0	6.1E-5	2.9E-4	1E-3	2.6E-3	4.6E-3	0.011	9.9E-4	1.9E-3
AMS22	Janvier	61	74%	0	0	0	1.6E-5	2E-4	3.9E-4	7.1E-4	1.3E-3	1.6E-3	3E-4	3.5E-4
AMS13	Fort McKay South	60	95%	0	5E-5	2.1E-4	7.7E-4	1.8E-3	3.9E-3	7E-3	8.1E-3	0.027	2.9E-3	3.9E-3
AMS23	Fort Hills	57	96%	0	2.6E-4	4.1E-4	1.5E-3	3.2E-3	6.7E-3	0.015	0.019	0.024	5.2E-3	5.7E-3
AMS30	Ells River	60	93%	0	1.6E-5	6.1E-5	3.1E-4	8.4E-4	2.7E-3	3.9E-3	7E-3	0.016	1.9E-3	2.7E-3





Particulate Matter <10µm Tested For Elements - Zinc (µg/m³) - 2022

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	61	82%	0	0	0	3.4E-4	2E-3	5.3E-3	9.1E-3	0.011	0.012	3.3E-3	3.5E-3
AMS06	Patricia McInnes	61	75%	0	0	0	1.9E-4	2.5E-3	5.5E-3	7.4E-3	9.8E-3	0.019	3.3E-3	3.6E-3
AMS07	Athabasca Valley	61	84%	0	0	0	2.4E-3	5E-3	8.7E-3	0.011	0.015	0.02	5.7E-3	4.7E-3
AMS08	Fort Chipewyan	44	57%	0	0	0	0	3.6E-4	2.3E-3	4.4E-3	7.1E-3	0.047	2.3E-3	7.1E-3
AMS14	Anzac	61	61%	0	0	0	0	1E-3	2.7E-3	5.1E-3	6.8E-3	0.019	1.9E-3	3E-3
AMS21	Conklin	61	67%	0	0	0	0	1.5E-3	3.5E-3	6.5E-3	7.5E-3	0.014	2.3E-3	2.8E-3
AMS22	Janvier	61	62%	0	0	0	0	8.4E-4	2.1E-3	4.6E-3	5.3E-3	0.01	1.6E-3	2.1E-3
AMS13	Fort McKay South	60	73%	0	0	0	0	1.8E-3	4.4E-3	5.2E-3	6.2E-3	7.7E-3	2.3E-3	2.1E-3
AMS23	Fort Hills	57	81%	0	0	0	6.9E-4	2.7E-3	6.3E-3	0.012	0.014	0.14	6.2E-3	0.018
AMS30	Ells River	60	63%	0	0	0	0	1.2E-3	2.5E-3	3.9E-3	5.5E-3	0.065	2.6E-3	8.4E-3





WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

PARTICULATE MATTER – ELEMENTAL CARBON/ORGANIC CARBON DATA SUMMARY 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

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

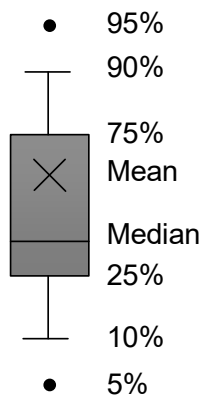
LABORATORY ANALYSIS BY:

EC/OC: Desert Research Institute
Reno, NV



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

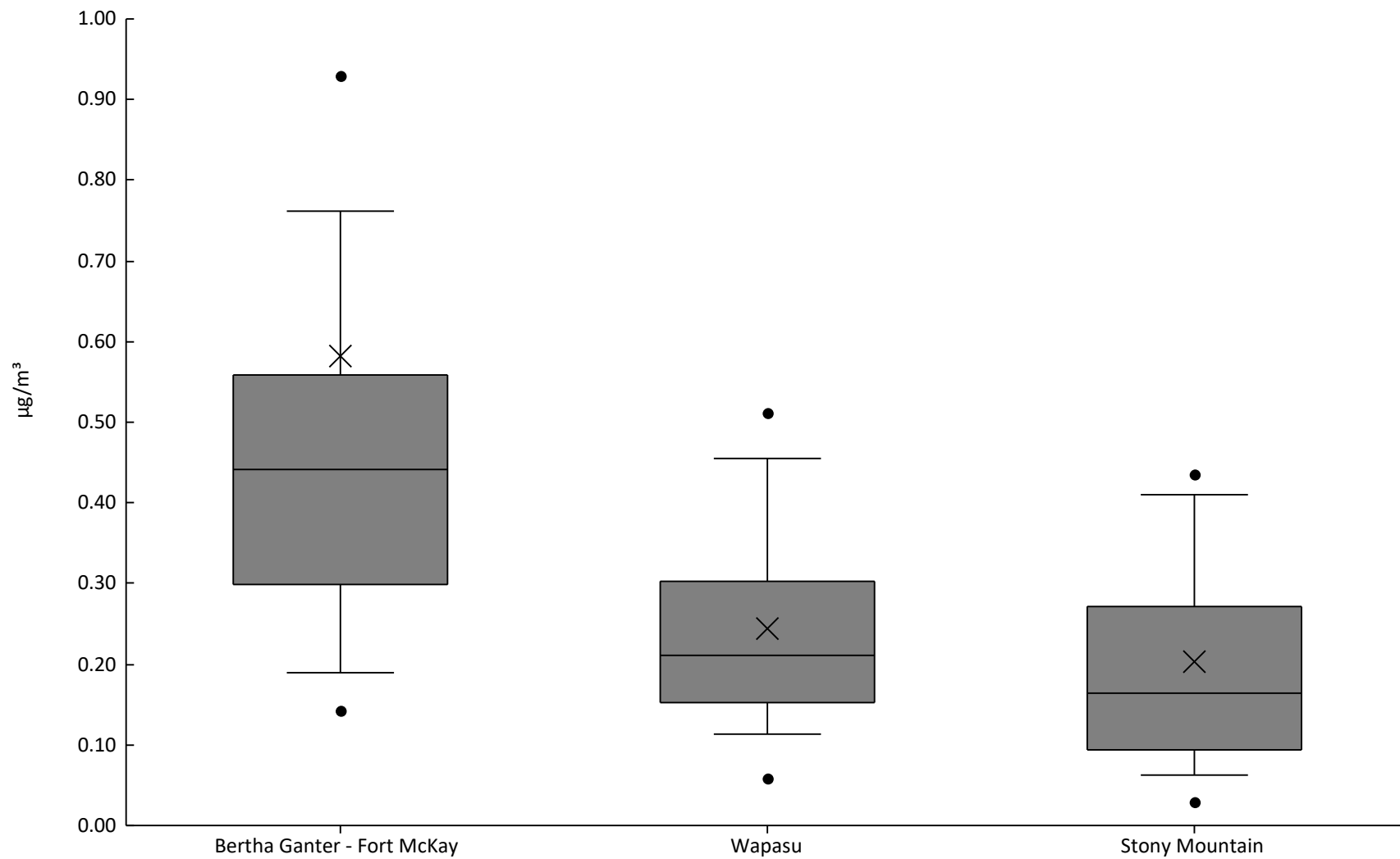
Legend description





Elemental Carbon Organic Carbon - Organic Carbon Fraction 1 ($\mu\text{g}/\text{m}^3$) - 2022

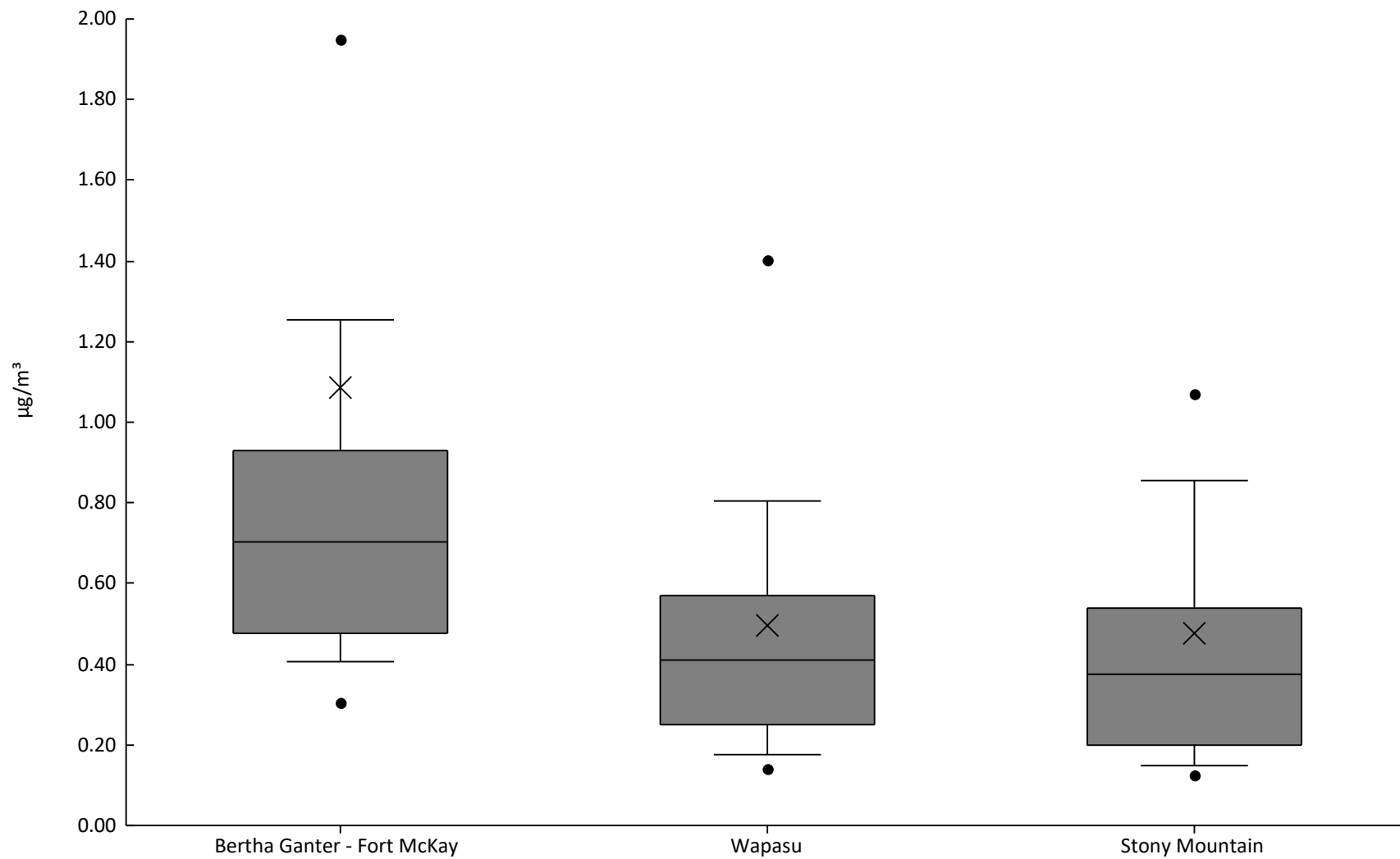
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.12	0.14	0.19	0.3	0.44	0.56	0.76	0.93	8.3	0.58	1
AMS17	Wapasu	60	100%	0.015	0.058	0.11	0.15	0.21	0.3	0.46	0.51	0.69	0.24	0.14
AMS18	Stony Mountain	60	100%	4.9E-3	0.03	0.062	0.094	0.16	0.27	0.41	0.43	0.97	0.2	0.16





Elemental Carbon Organic Carbon - Organic Carbon Fraction 2 ($\mu\text{g}/\text{m}^3$) - 2022

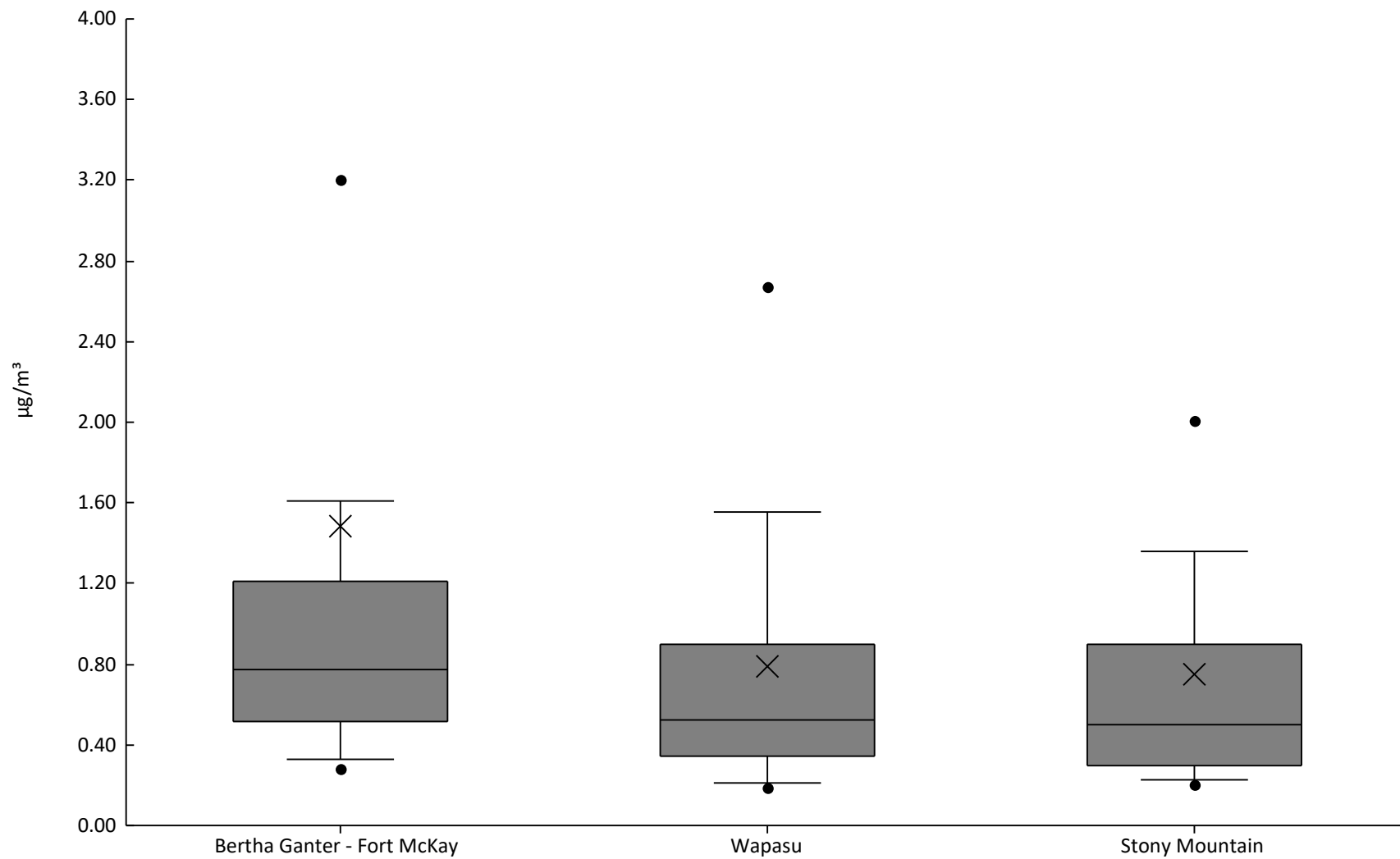
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.19	0.3	0.41	0.48	0.71	0.93	1.3	1.9	19	1.1	2.4
AMS17	Wapasu	60	100%	0.11	0.14	0.18	0.25	0.41	0.57	0.81	1.4	2.8	0.5	0.42
AMS18	Stony Mountain	60	100%	0.072	0.13	0.15	0.2	0.38	0.54	0.85	1.1	3.2	0.48	0.46





Elemental Carbon Organic Carbon - Organic Carbon Fraction 3 ($\mu\text{g}/\text{m}^3$) - 2022

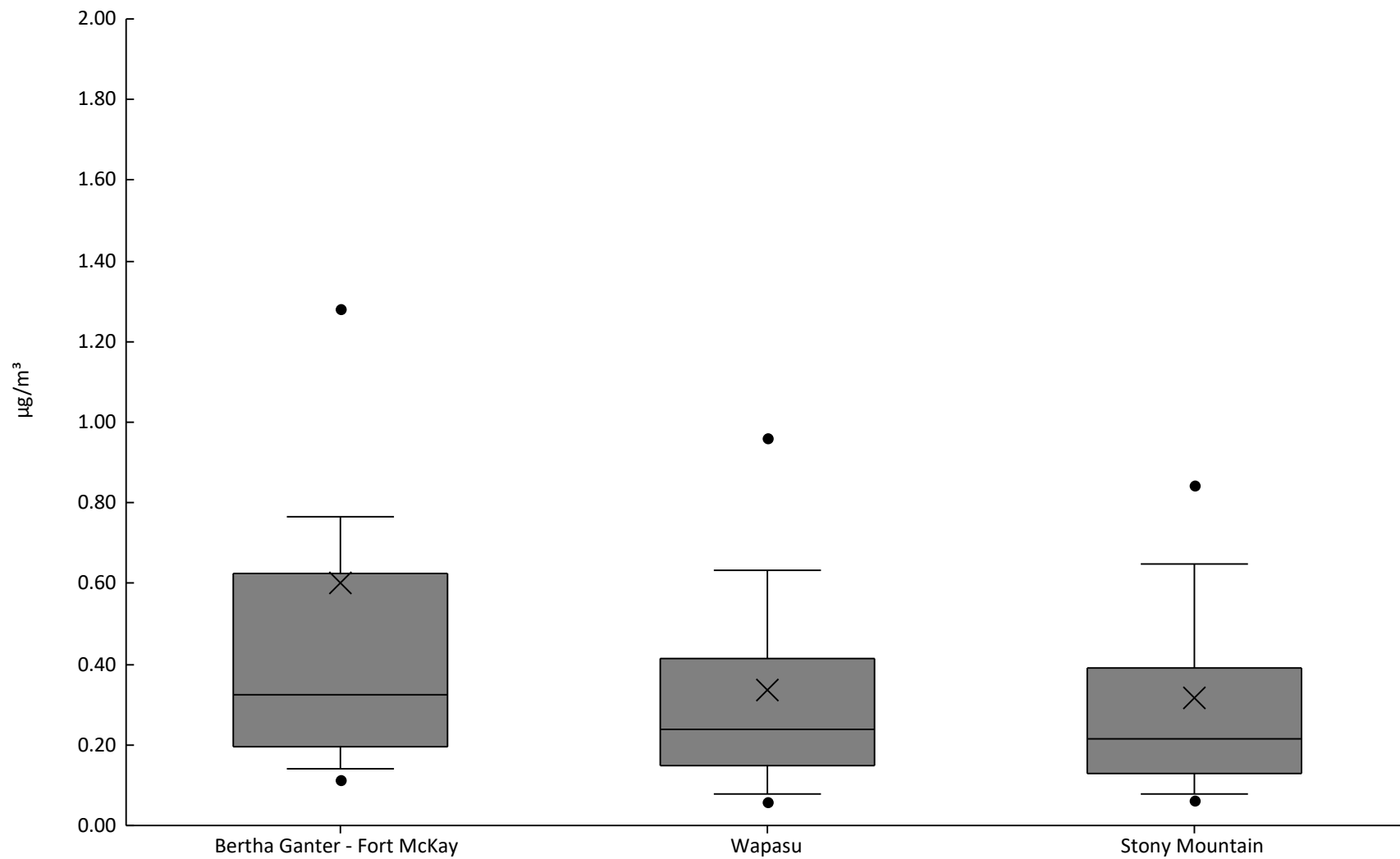
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.2	0.28	0.32	0.51	0.77	1.2	1.6	3.2	32	1.5	4.1
AMS17	Wapasu	60	98%	0.15	0.18	0.21	0.34	0.52	0.9	1.6	2.7	4.8	0.79	0.8
AMS18	Stony Mountain	60	100%	0.16	0.2	0.22	0.3	0.5	0.9	1.4	2	5.1	0.75	0.77





Elemental Carbon Organic Carbon - Organic Carbon Fraction 4 ($\mu\text{g}/\text{m}^3$) - 2022

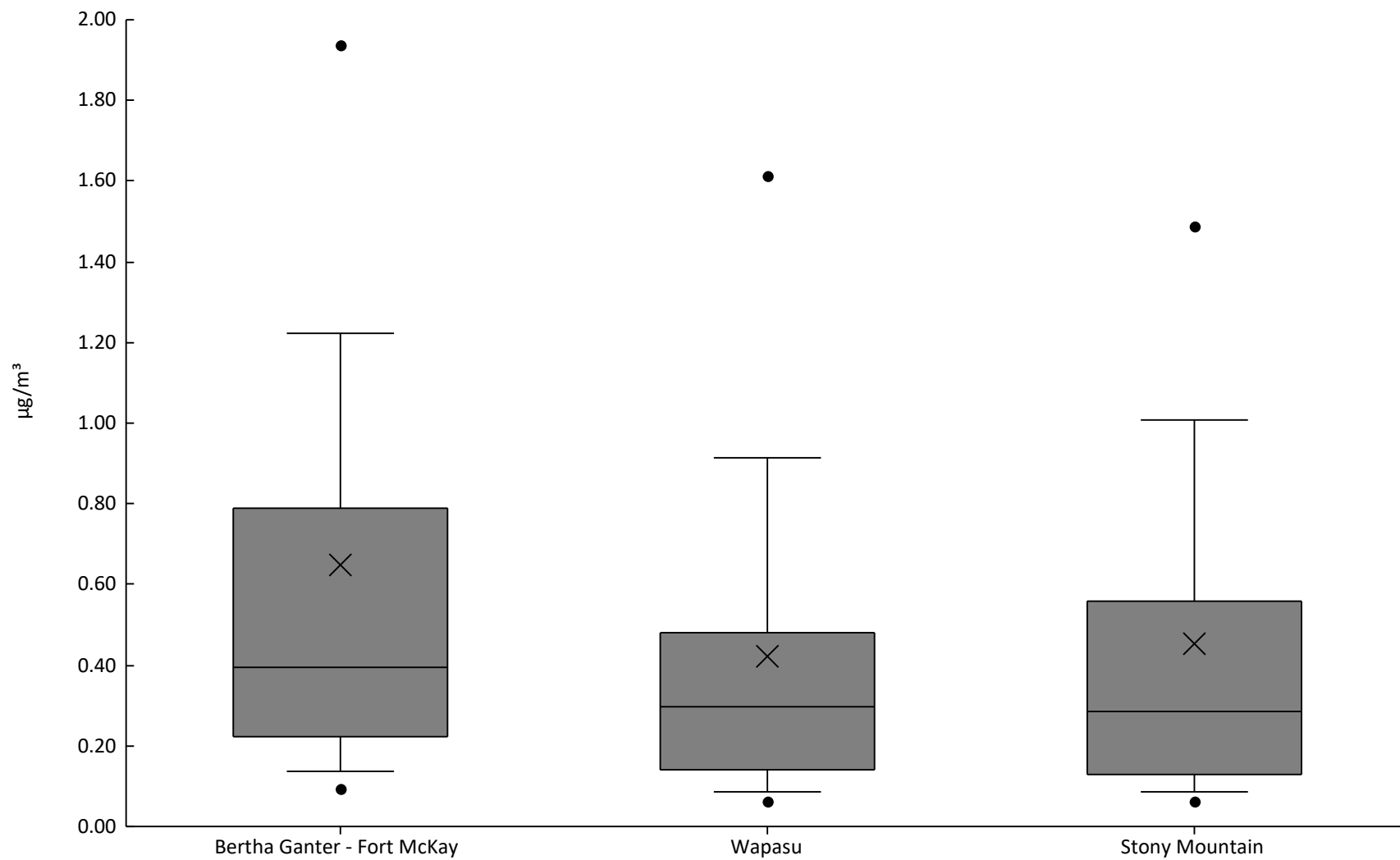
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.05	0.11	0.14	0.19	0.33	0.62	0.76	1.3	10	0.6	1.3
AMS17	Wapasu	60	100%	0.02	0.059	0.079	0.15	0.24	0.41	0.63	0.96	2.4	0.33	0.36
AMS18	Stony Mountain	60	100%	0.047	0.063	0.077	0.13	0.22	0.39	0.65	0.85	1.5	0.32	0.29





Elemental Carbon Organic Carbon - Pyrolyzed organic carbon, thermal method, transmittance ($\mu\text{g}/\text{m}^3$) - 2022

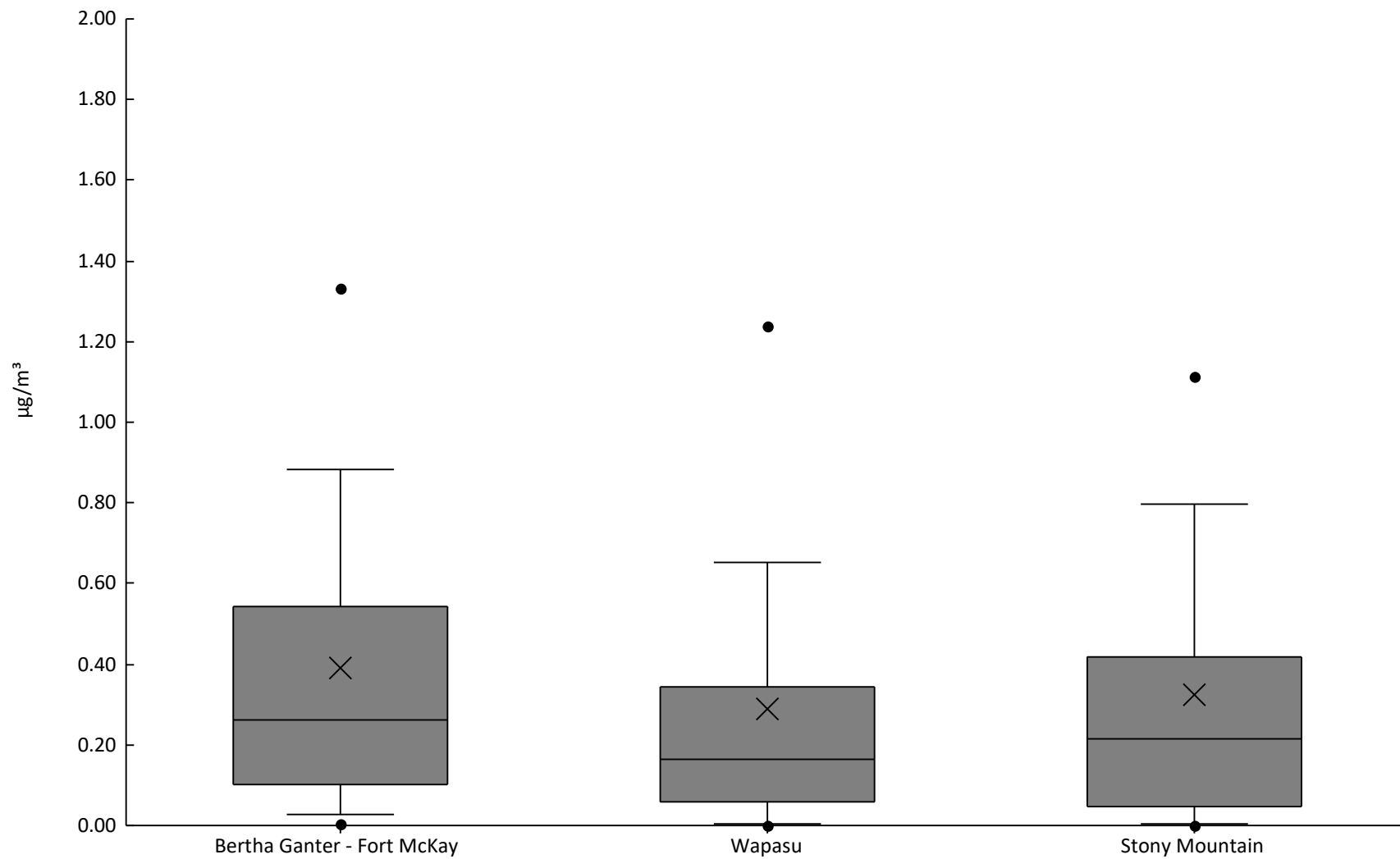
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.051	0.096	0.14	0.22	0.39	0.79	1.2	1.9	5.5	0.65	0.82
AMS17	Wapasu	60	98%	0	0.062	0.085	0.14	0.3	0.48	0.91	1.6	2.4	0.42	0.47
AMS18	Stony Mountain	60	100%	7E-3	0.063	0.085	0.13	0.29	0.56	1	1.5	3.3	0.45	0.54





Elemental Carbon Organic Carbon - Pyrolyzed organic carbon, thermal method, reflectance ($\mu\text{g}/\text{m}^3$) - 2022

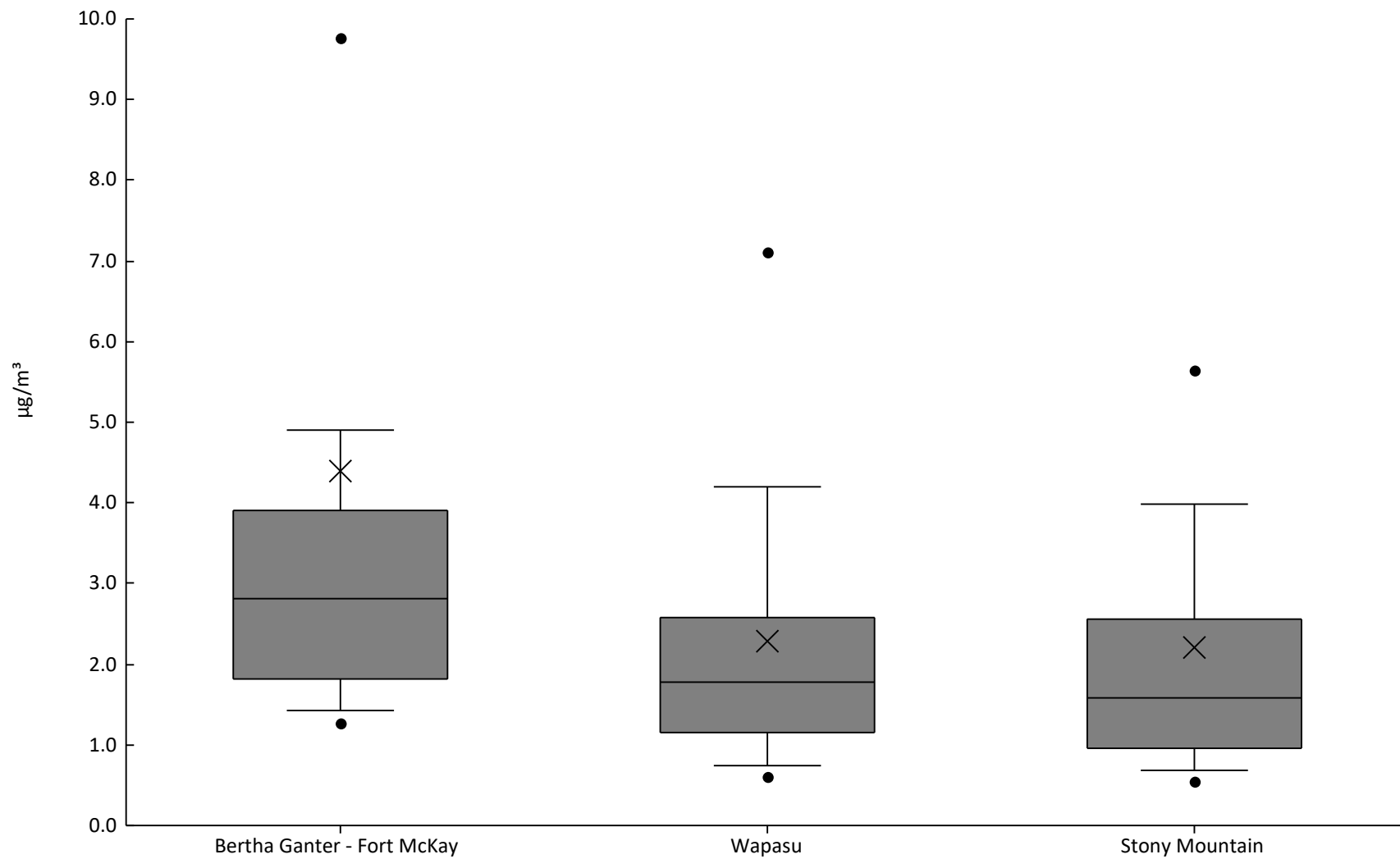
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	95%	0	4.7E-3	0.028	0.1	0.26	0.54	0.88	1.3	2.3	0.39	0.43
AMS17	Wapasu	60	90%	0	0	3E-3	0.06	0.16	0.34	0.65	1.2	1.8	0.29	0.38
AMS18	Stony Mountain	60	88%	0	0	2.6E-3	0.046	0.22	0.42	0.8	1.1	2.8	0.32	0.45





Elemental Carbon Organic Carbon - Organic carbon,thermal method, transmittance ($\mu\text{g}/\text{m}^3$) - 2022

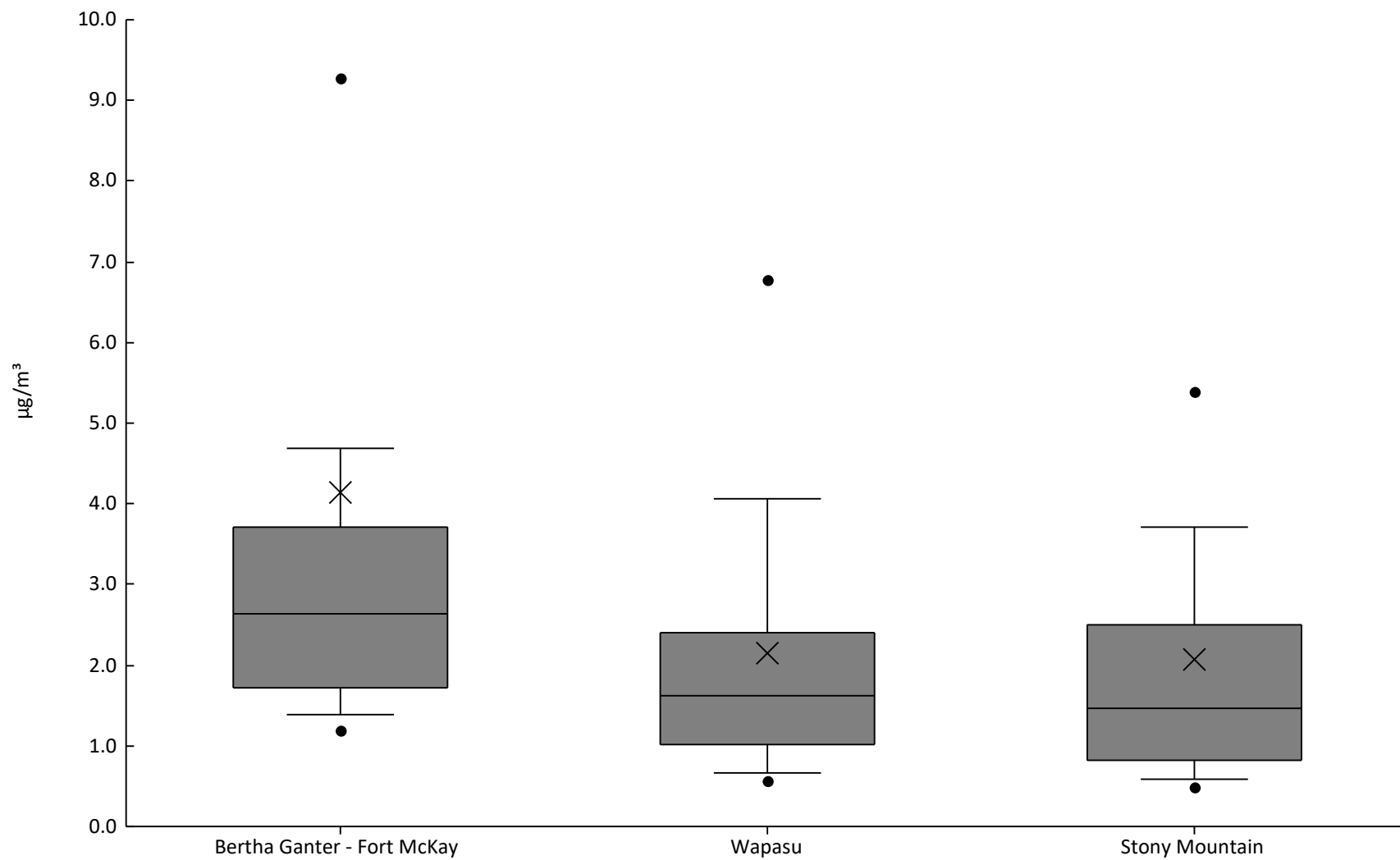
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.63	1.3	1.4	1.8	2.8	3.9	4.9	9.8	76	4.4	9.6
AMS17	Wapasu	60	100%	0.3	0.6	0.74	1.1	1.8	2.6	4.2	7.1	13	2.3	2.1
AMS18	Stony Mountain	60	100%	0.47	0.55	0.68	0.96	1.6	2.6	4	5.6	14	2.2	2.1





Elemental Carbon Organic Carbon - Organic carbon,thermal method, reflectance ($\mu\text{g}/\text{m}^3$) - 2022

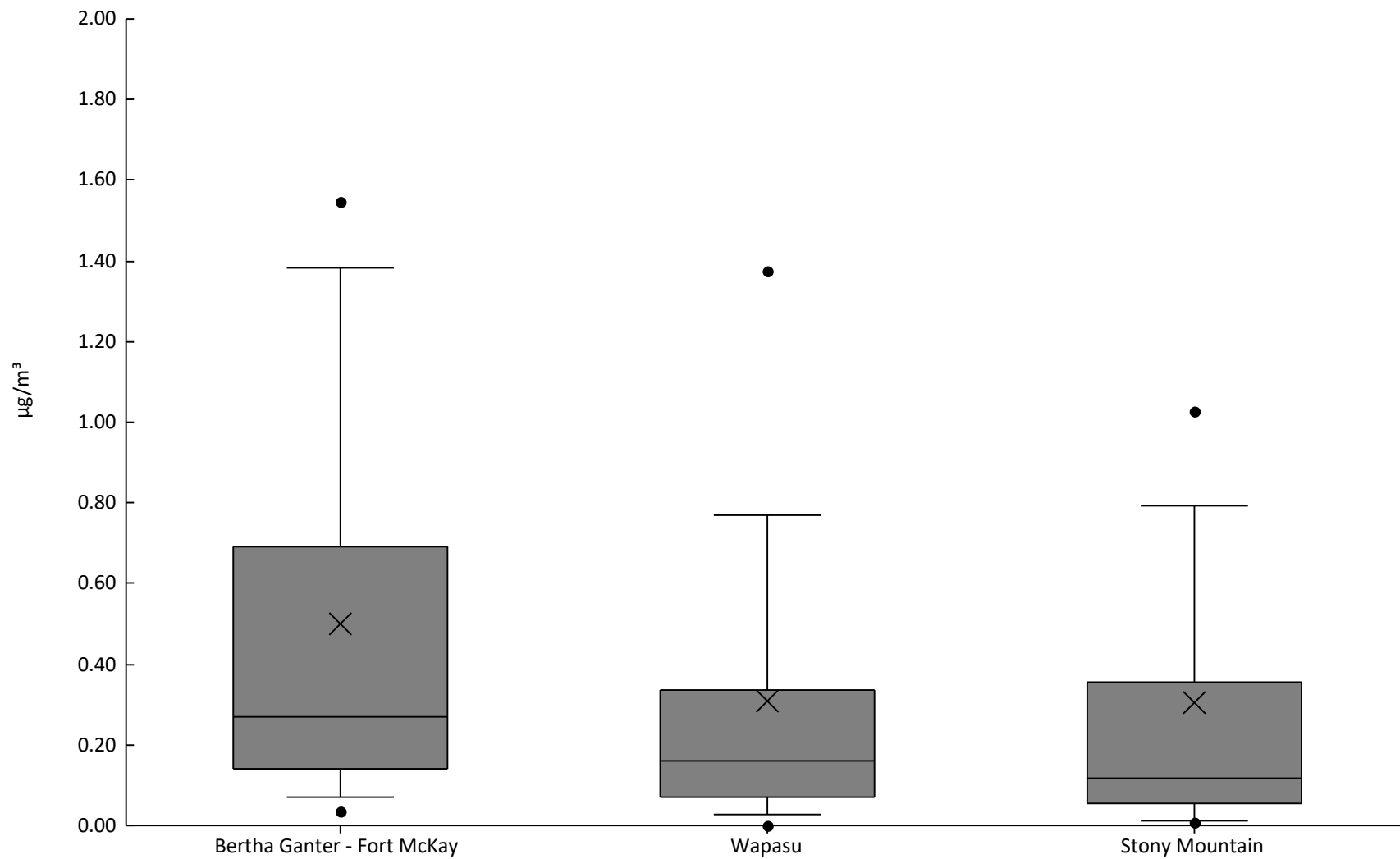
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.56	1.2	1.4	1.7	2.6	3.7	4.7	9.3	71	4.1	9
AMS17	Wapasu	60	100%	0.3	0.57	0.66	1	1.6	2.4	4.1	6.8	13	2.2	2
AMS18	Stony Mountain	60	100%	0.47	0.48	0.58	0.83	1.5	2.5	3.7	5.4	14	2.1	2.1





Elemental Carbon Organic Carbon - Elemental Carbon Fraction 1 ($\mu\text{g}/\text{m}^3$) - 2022

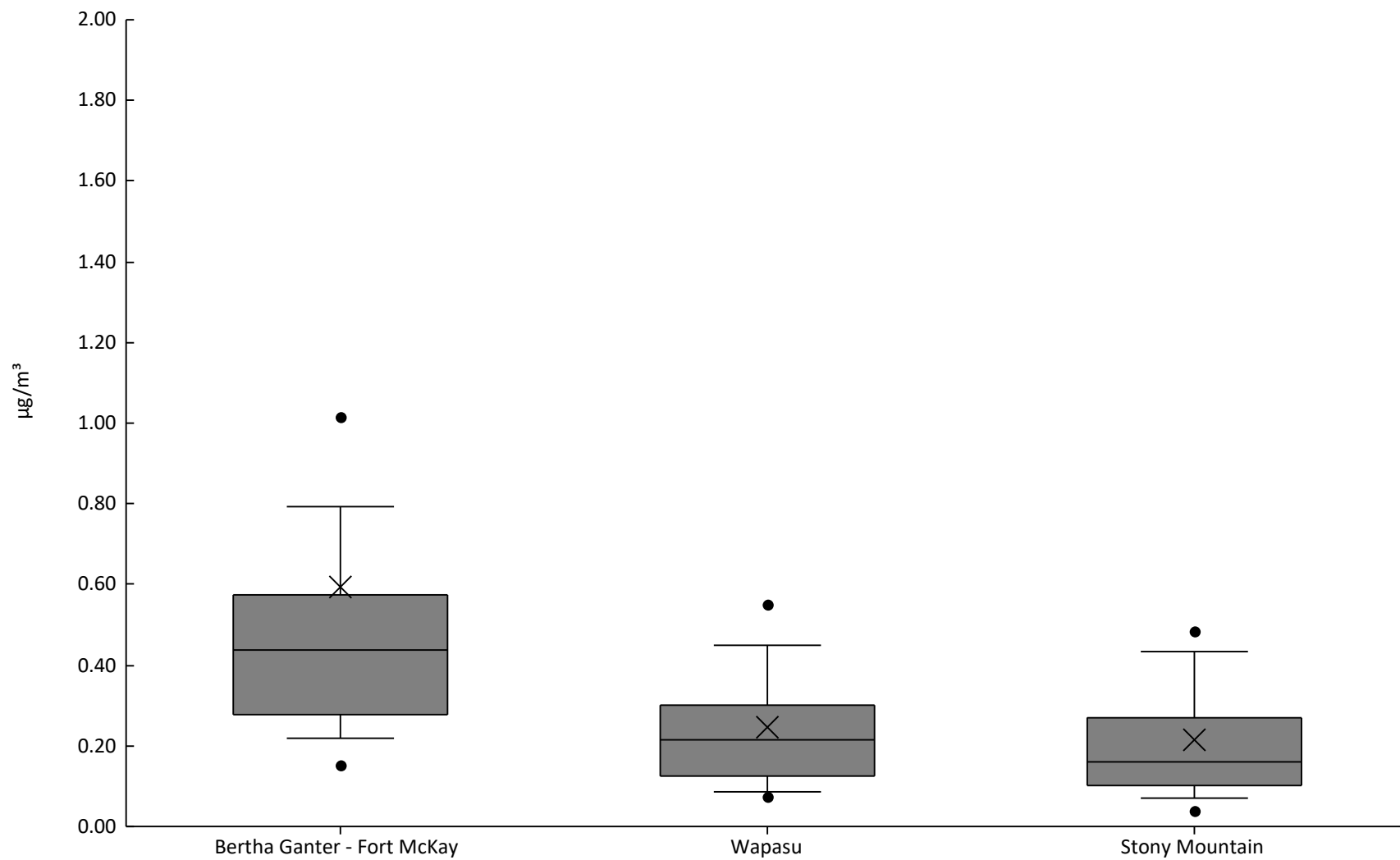
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	2.2E-3	0.033	0.071	0.14	0.27	0.69	1.4	1.5	2.9	0.5	0.57
AMS17	Wapasu	60	93%	0	0	0.027	0.07	0.16	0.34	0.77	1.4	2.2	0.31	0.42
AMS18	Stony Mountain	60	98%	0	6.3E-3	0.011	0.055	0.12	0.36	0.79	1	3.3	0.3	0.51





Elemental Carbon Organic Carbon - Elemental Carbon Fraction 2 ($\mu\text{g}/\text{m}^3$) - 2022

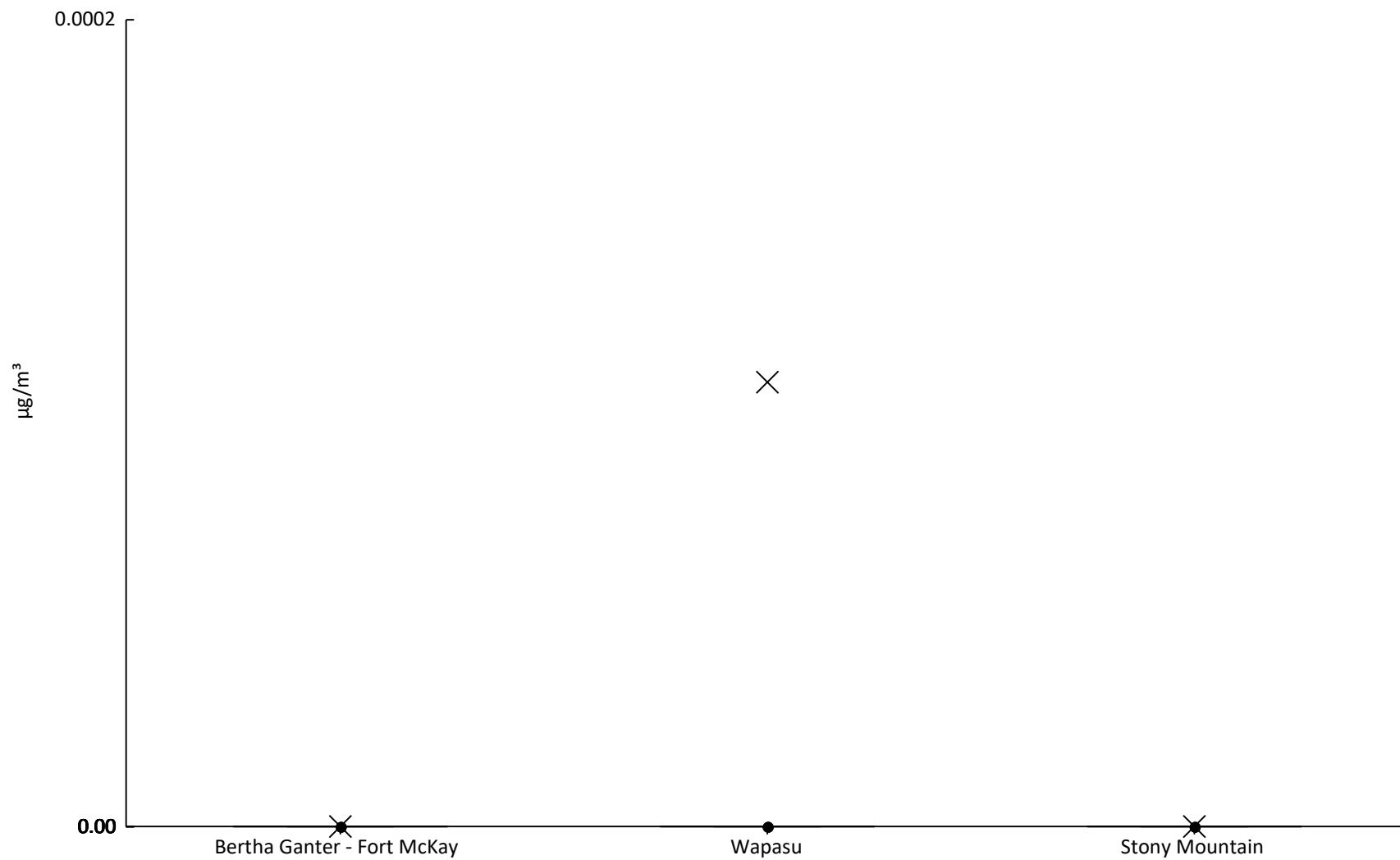
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.098	0.15	0.22	0.28	0.44	0.57	0.79	1	8.5	0.59	1.1
AMS17	Wapasu	60	98%	0	0.074	0.087	0.13	0.21	0.3	0.45	0.55	1.2	0.25	0.18
AMS18	Stony Mountain	60	98%	0	0.039	0.07	0.1	0.16	0.27	0.43	0.49	1.2	0.21	0.18





Elemental Carbon Organic Carbon - Elemental Carbon Fraction 3 ($\mu\text{g}/\text{m}^3$) - 2022

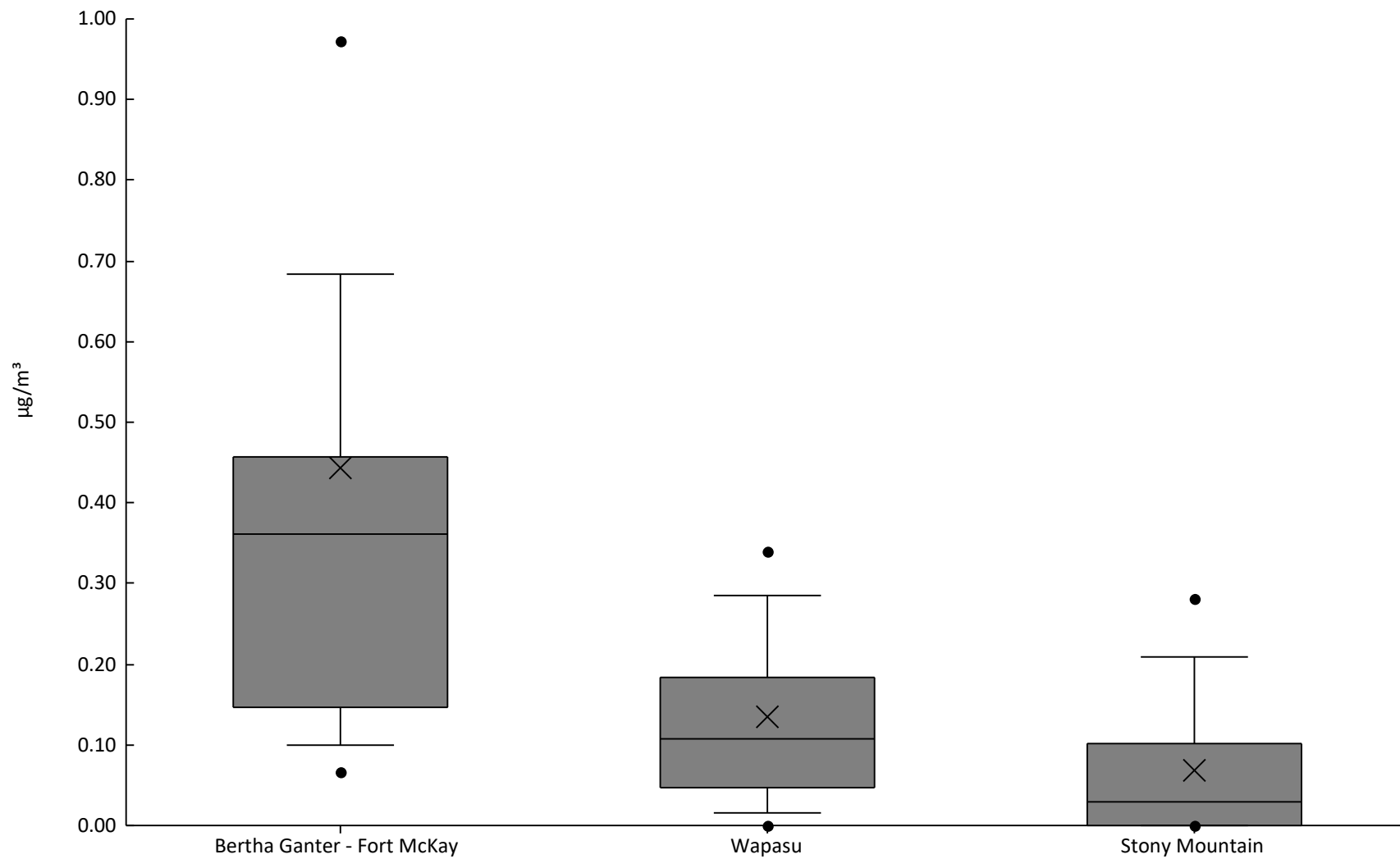
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	0%	0	0	0	0	0	0	0	0	0	0	0
AMS17	Wapasu	60	2%	0	0	0	0	0	0	0	0	6.6E-3	1.1E-4	8.5E-4
AMS18	Stony Mountain	60	0%	0	0	0	0	0	0	0	0	0	0	0





Elemental Carbon Organic Carbon - Elemental carbon,thermal method, transmittance ($\mu\text{g}/\text{m}^3$) - 2022

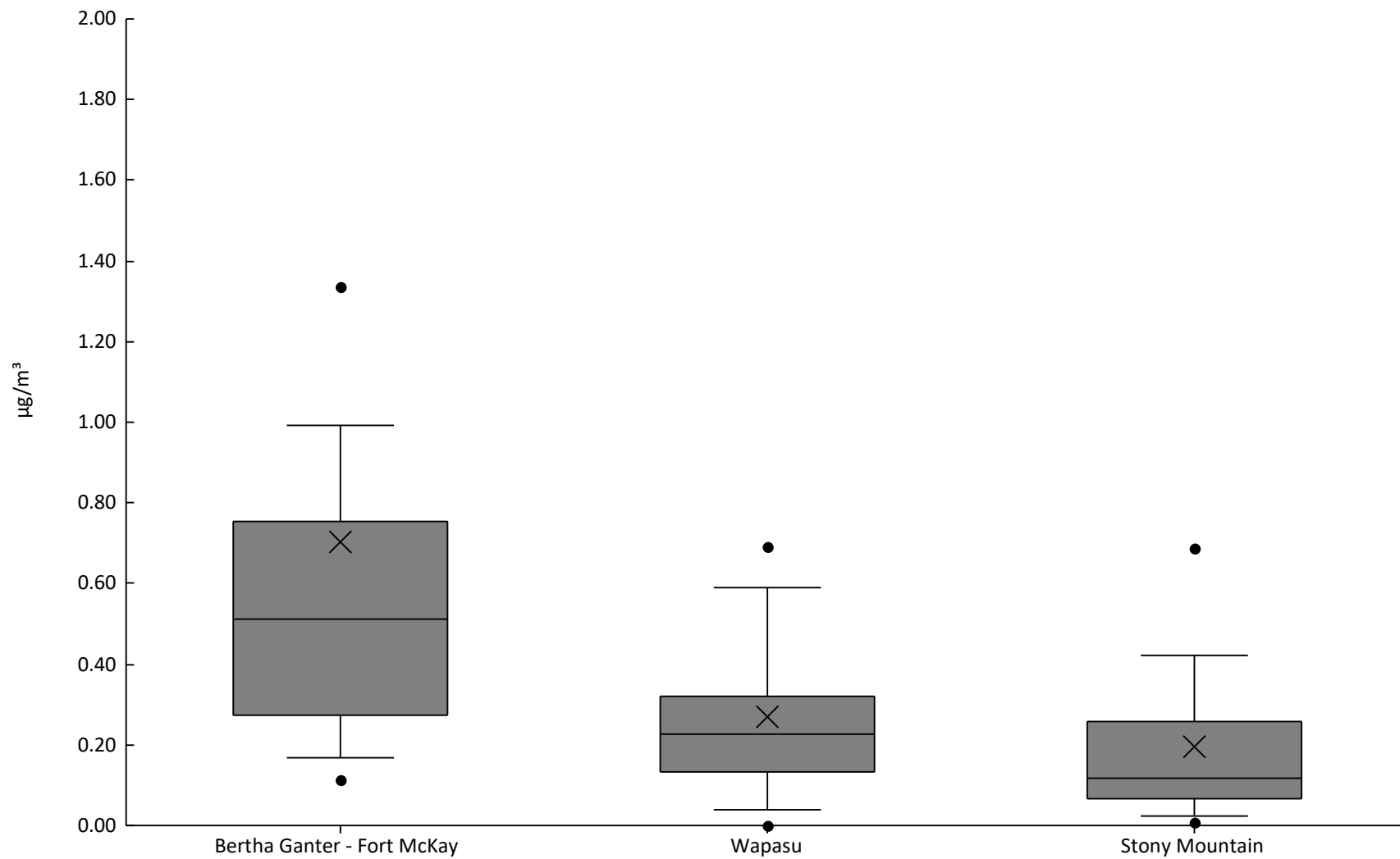
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	98%	0	0.067	0.099	0.15	0.36	0.46	0.68	0.97	5	0.44	0.65
AMS17	Wapasu	60	93%	0	0	0.015	0.046	0.11	0.18	0.28	0.34	0.77	0.13	0.13
AMS18	Stony Mountain	60	62%	0	0	0	0	0.029	0.1	0.21	0.28	0.54	0.068	0.1





Elemental Carbon Organic Carbon - Elemental carbon,thermal method, reflectance ($\mu\text{g}/\text{m}^3$) - 2022

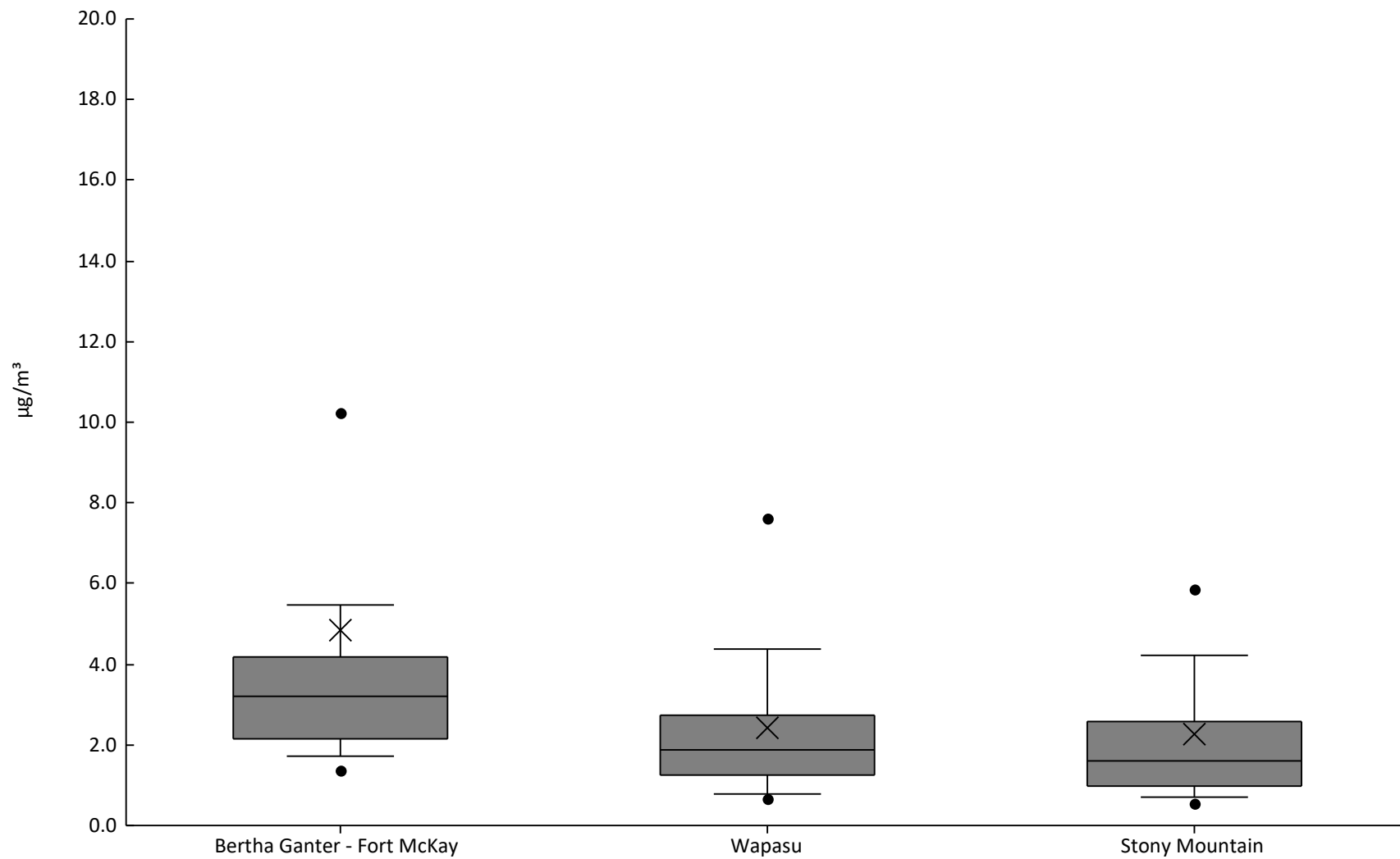
Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.013	0.11	0.17	0.28	0.51	0.75	0.99	1.3	9.9	0.7	1.3
AMS17	Wapasu	60	93%	0	1E-3	0.037	0.13	0.23	0.32	0.59	0.69	1.1	0.27	0.22
AMS18	Stony Mountain	60	97%	0	7.2E-3	0.023	0.067	0.12	0.26	0.42	0.69	1	0.2	0.22





Elemental Carbon Organic Carbon - Total Carbon ($\mu\text{g}/\text{m}^3$) - 2022

Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	59	100%	0.66	1.4	1.7	2.2	3.2	4.2	5.5	10	81	4.8	10
AMS17	Wapasu	60	100%	0.3	0.65	0.8	1.2	1.9	2.7	4.4	7.6	13	2.4	2.2
AMS18	Stony Mountain	60	100%	0.48	0.56	0.7	0.98	1.6	2.6	4.2	5.9	15	2.3	2.2





WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

POLYCYCLIC AROMATIC HYDROCARBONS DATA SUMMARY 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

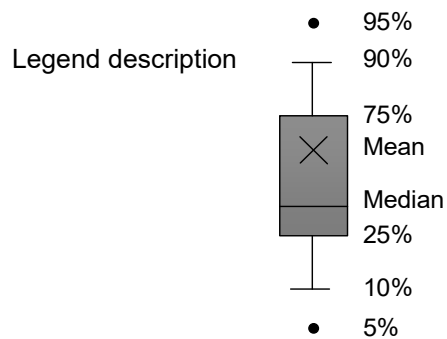
Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

Total PAHs: Airzone One Incorporated
Mississauga, Ontario



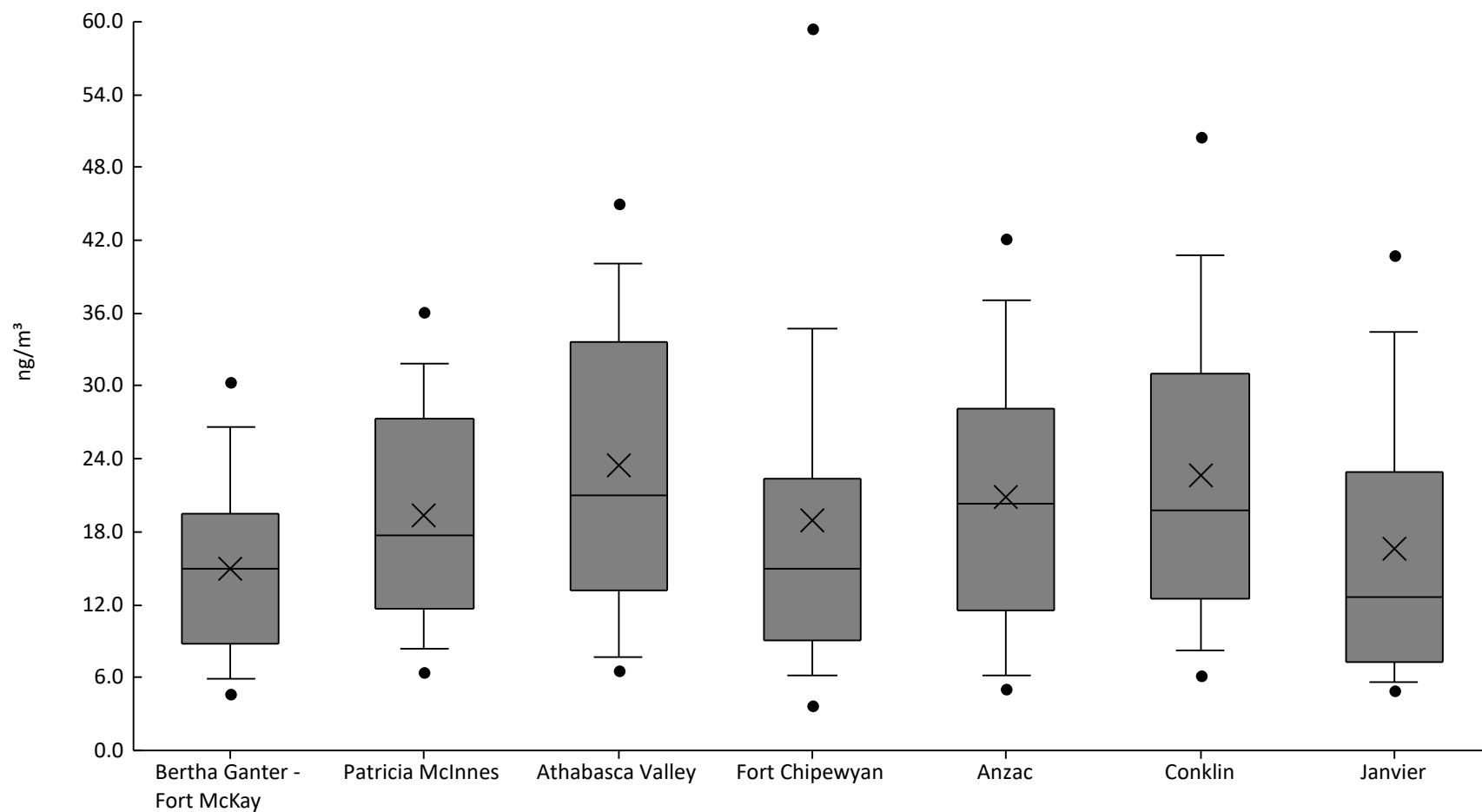
CONTENTS DESCRIPTION	Annual Summary of PAH - Speciated PAH Gas + Particle Phase Measurements
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	ng/m ³ (nanogram per cubic meter)
OBSERVATION TYPE	Particles + gas
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	filtration and adsorbent
PARTICLE DIAMETER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





Polycyclic Aromatic Hydrocarbons - Naphthalene (ng/m³) - 2022

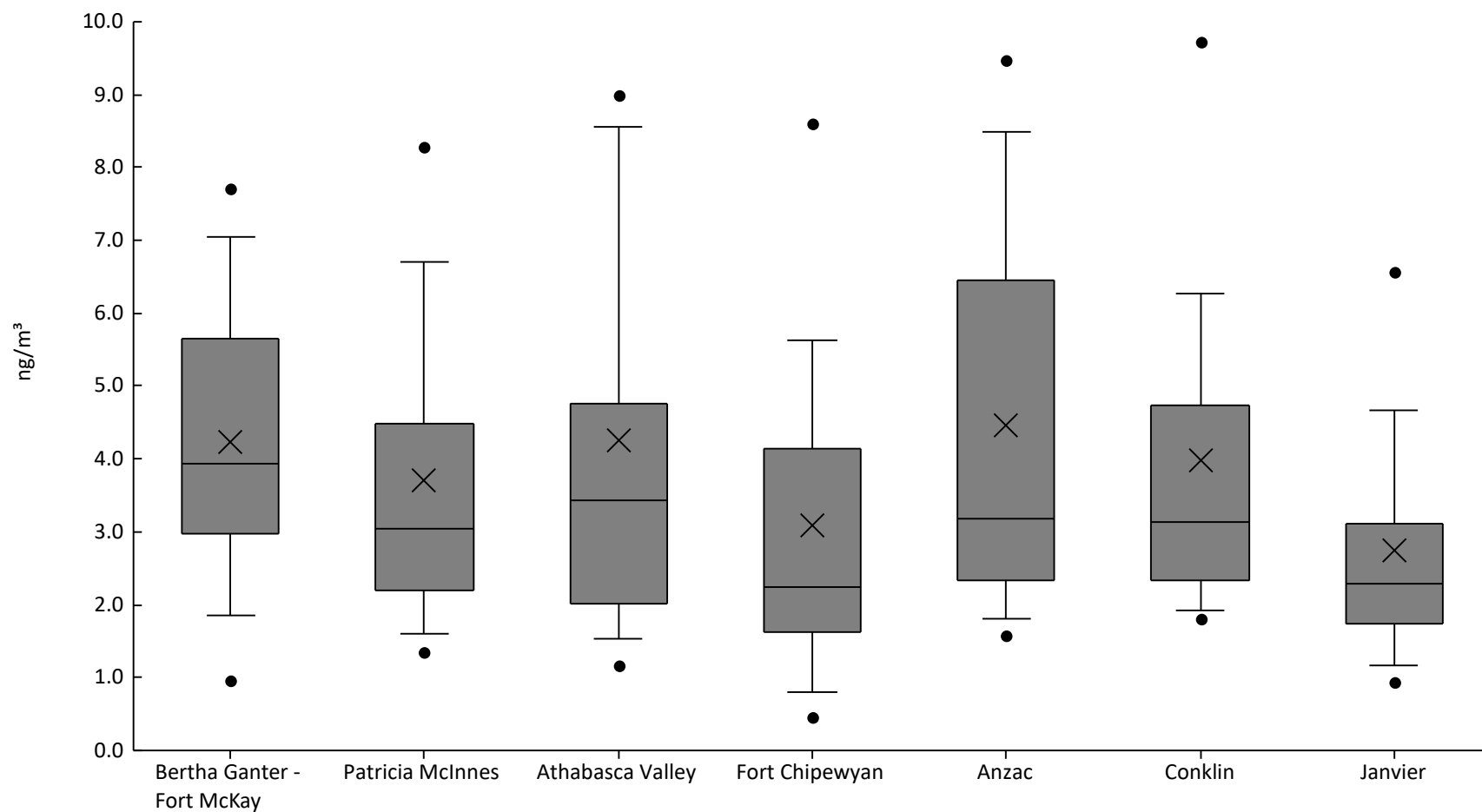
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.023	4.6	5.8	8.8	15	19	27	30	33	15	7.7
AMS06	Patricia McInnes	60	100%	4.2	6.5	8.4	12	18	27	32	36	39	19	9.4
AMS07	Athabasca Valley	60	100%	5.4	6.6	7.7	13	21	34	40	45	60	24	13
AMS08	Fort Chipewyan	47	100%	3.1	3.7	6.2	9.1	15	22	35	59	69	19	15
AMS14	Anzac	61	100%	3.8	5	6.2	12	20	28	37	42	52	21	12
AMS21	Conklin	60	100%	3.1	6.2	8.2	12	20	31	41	51	53	23	13
AMS22	Janvier	60	100%	2.4	4.9	5.6	7.3	13	23	34	41	50	17	12





Polycyclic Aromatic Hydrocarbons - Acenaphthylene (ng/m³) - 2022

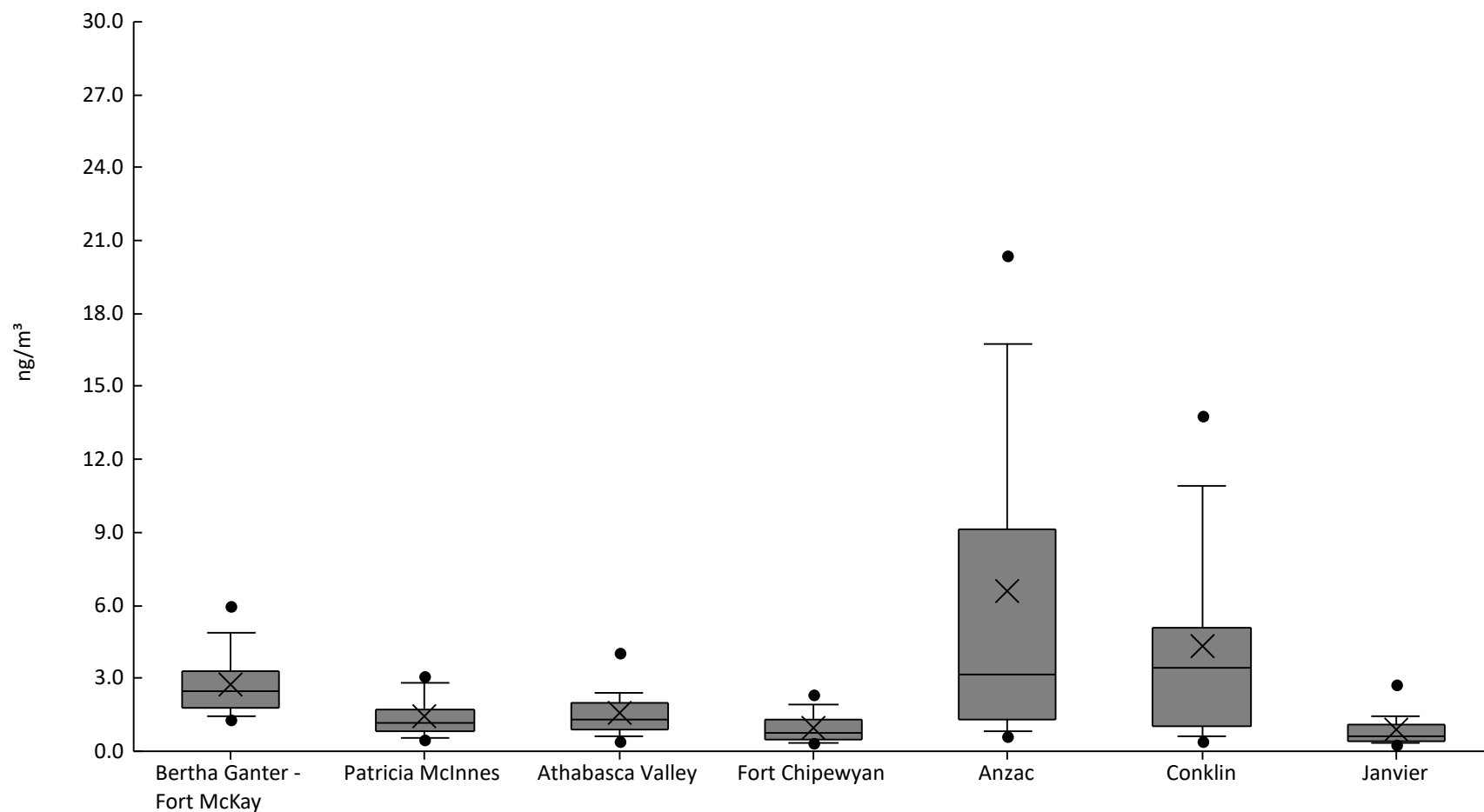
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.023	0.95	1.8	3	3.9	5.7	7.1	7.7	8.7	4.2	2
AMS06	Patricia McInnes	60	100%	0.58	1.4	1.6	2.2	3	4.5	6.7	8.3	12	3.7	2.2
AMS07	Athabasca Valley	60	100%	0.53	1.2	1.5	2	3.4	4.7	8.6	9	24	4.3	3.6
AMS08	Fort Chipewyan	47	100%	0.21	0.47	0.81	1.6	2.2	4.1	5.6	8.6	14	3.1	2.6
AMS14	Anzac	61	100%	0.87	1.6	1.8	2.3	3.2	6.4	8.5	9.5	13	4.5	2.8
AMS21	Conklin	60	100%	1.5	1.8	1.9	2.3	3.1	4.7	6.3	9.7	17	4	2.7
AMS22	Janvier	60	100%	0.38	0.94	1.2	1.7	2.3	3.1	4.7	6.6	14	2.7	2.1





Polycyclic Aromatic Hydrocarbons - Acenaphthene (ng/m³) - 2022

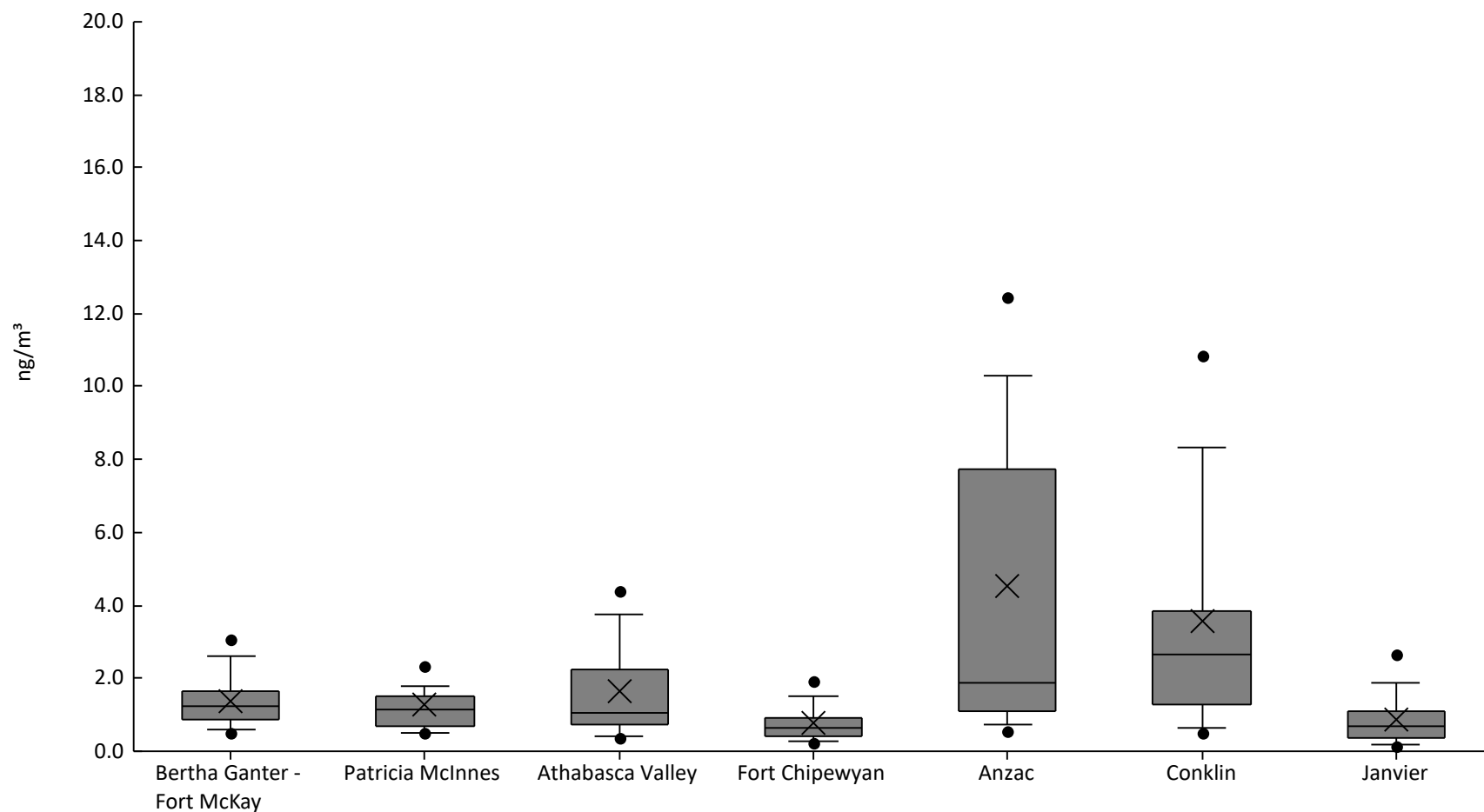
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.012	1.3	1.5	1.8	2.5	3.3	4.8	6	7.1	2.8	1.4
AMS06	Patricia McInnes	60	100%	0.17	0.5	0.54	0.82	1.1	1.7	2.8	3.1	5.1	1.4	0.92
AMS07	Athabasca Valley	60	100%	0.27	0.42	0.64	0.9	1.3	2	2.4	4	7.3	1.6	1.2
AMS08	Fort Chipewyan	47	100%	0.24	0.33	0.37	0.47	0.78	1.3	1.9	2.3	2.6	0.97	0.63
AMS14	Anzac	61	100%	0.4	0.63	0.84	1.3	3.1	9.2	17	20	41	6.6	7.5
AMS21	Conklin	60	100%	0.26	0.4	0.64	1	3.5	5.1	11	14	18	4.3	4.3
AMS22	Janvier	60	100%	0.18	0.28	0.34	0.42	0.62	1.1	1.5	2.7	4	0.87	0.74





Polycyclic Aromatic Hydrocarbons - Fluorene (ng/m³) - 2022

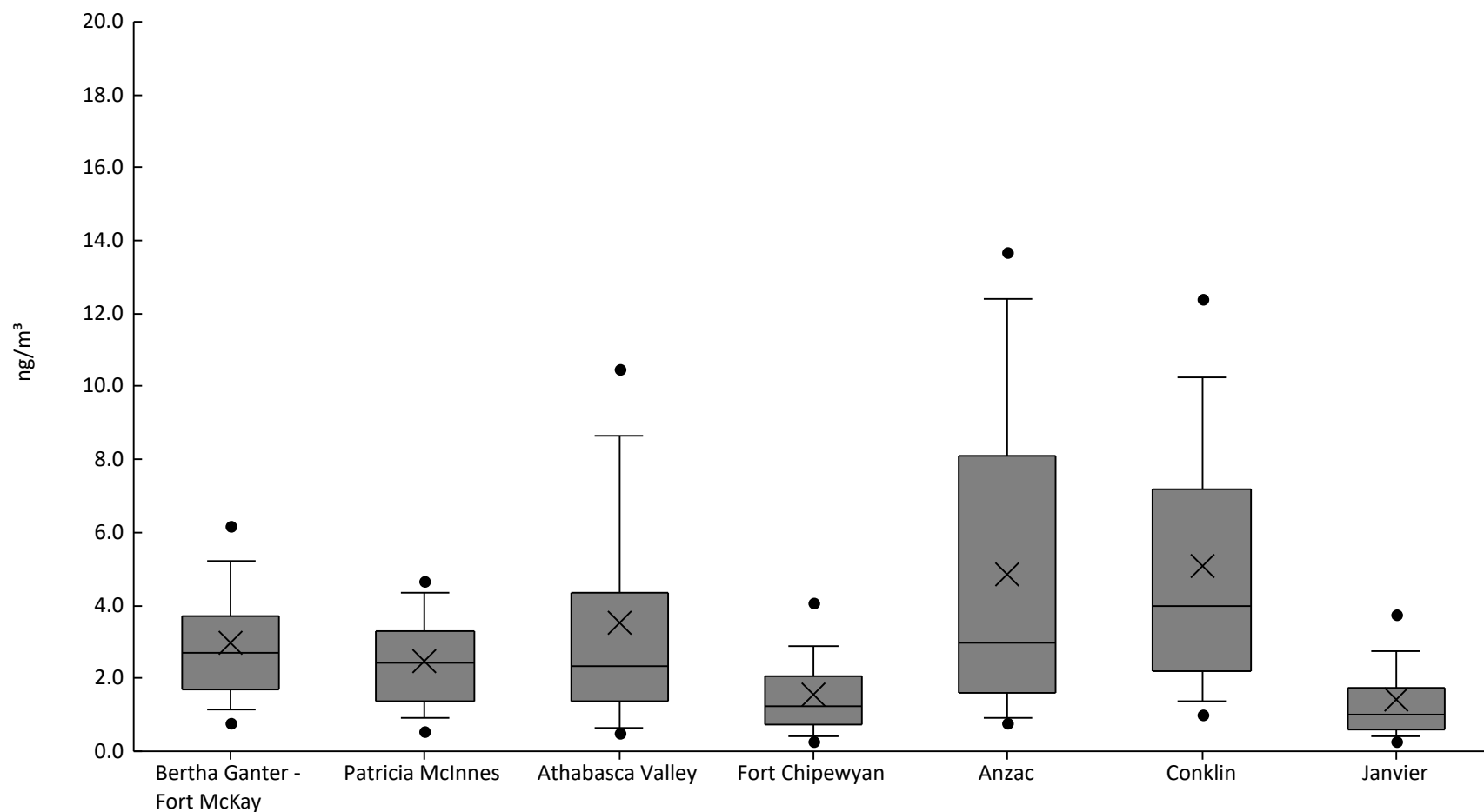
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.025	0.48	0.61	0.85	1.2	1.7	2.6	3.1	3.8	1.4	0.76
AMS06	Patricia McInnes	60	100%	0.39	0.49	0.51	0.66	1.1	1.5	1.8	2.3	6.7	1.3	0.98
AMS07	Athabasca Valley	60	100%	5E-3	0.37	0.42	0.74	1.1	2.2	3.7	4.4	5.9	1.7	1.3
AMS08	Fort Chipewyan	47	100%	0.045	0.21	0.27	0.39	0.65	0.9	1.5	1.9	3.8	0.79	0.66
AMS14	Anzac	61	100%	0.4	0.57	0.72	1.1	1.9	7.7	10	12	18	4.5	4.3
AMS21	Conklin	60	100%	0.071	0.49	0.65	1.3	2.7	3.8	8.3	11	20	3.6	3.6
AMS22	Janvier	60	100%	0.082	0.15	0.2	0.37	0.67	1.1	1.9	2.7	4.2	0.89	0.81





Polycyclic Aromatic Hydrocarbons - Phenanthrene (ng/m³) - 2022

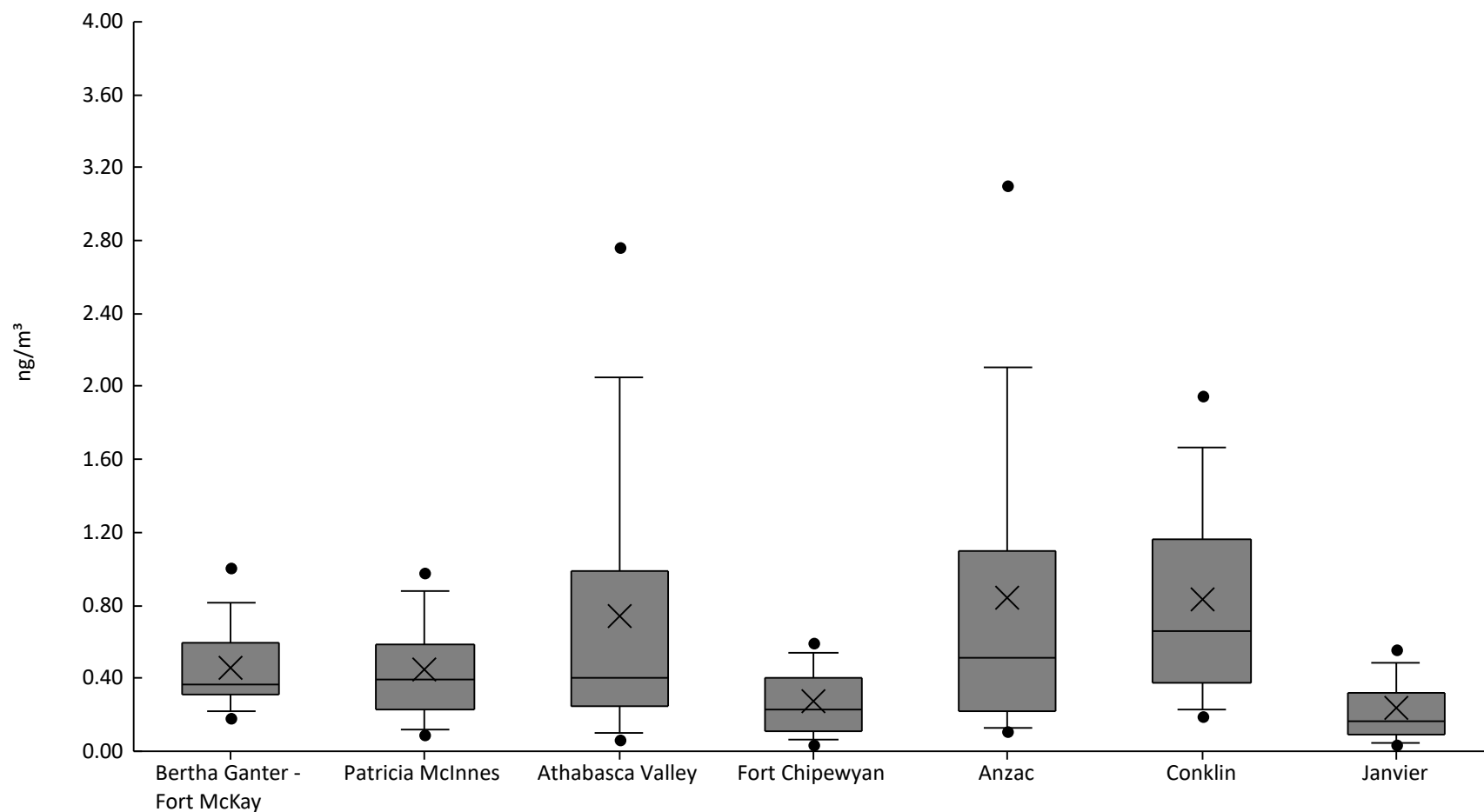
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.024	0.79	1.2	1.7	2.7	3.7	5.2	6.2	8.7	3	1.7
AMS06	Patricia McInnes	60	100%	0.32	0.54	0.92	1.4	2.4	3.3	4.3	4.7	6.2	2.5	1.3
AMS07	Athabasca Valley	60	100%	0.33	0.5	0.65	1.4	2.3	4.3	8.7	10	16	3.5	3.3
AMS08	Fort Chipewyan	47	100%	0.26	0.27	0.4	0.72	1.3	2.1	2.9	4.1	6.8	1.6	1.3
AMS14	Anzac	61	100%	0.42	0.77	0.9	1.6	3	8.1	12	14	16	4.9	4.3
AMS21	Conklin	60	100%	0.2	0.99	1.4	2.2	4	7.2	10	12	17	5.1	3.8
AMS22	Janvier	60	100%	0.16	0.27	0.42	0.61	0.99	1.7	2.7	3.7	9.6	1.4	1.4





Polycyclic Aromatic Hydrocarbons - Anthracene (ng/m³) - 2022

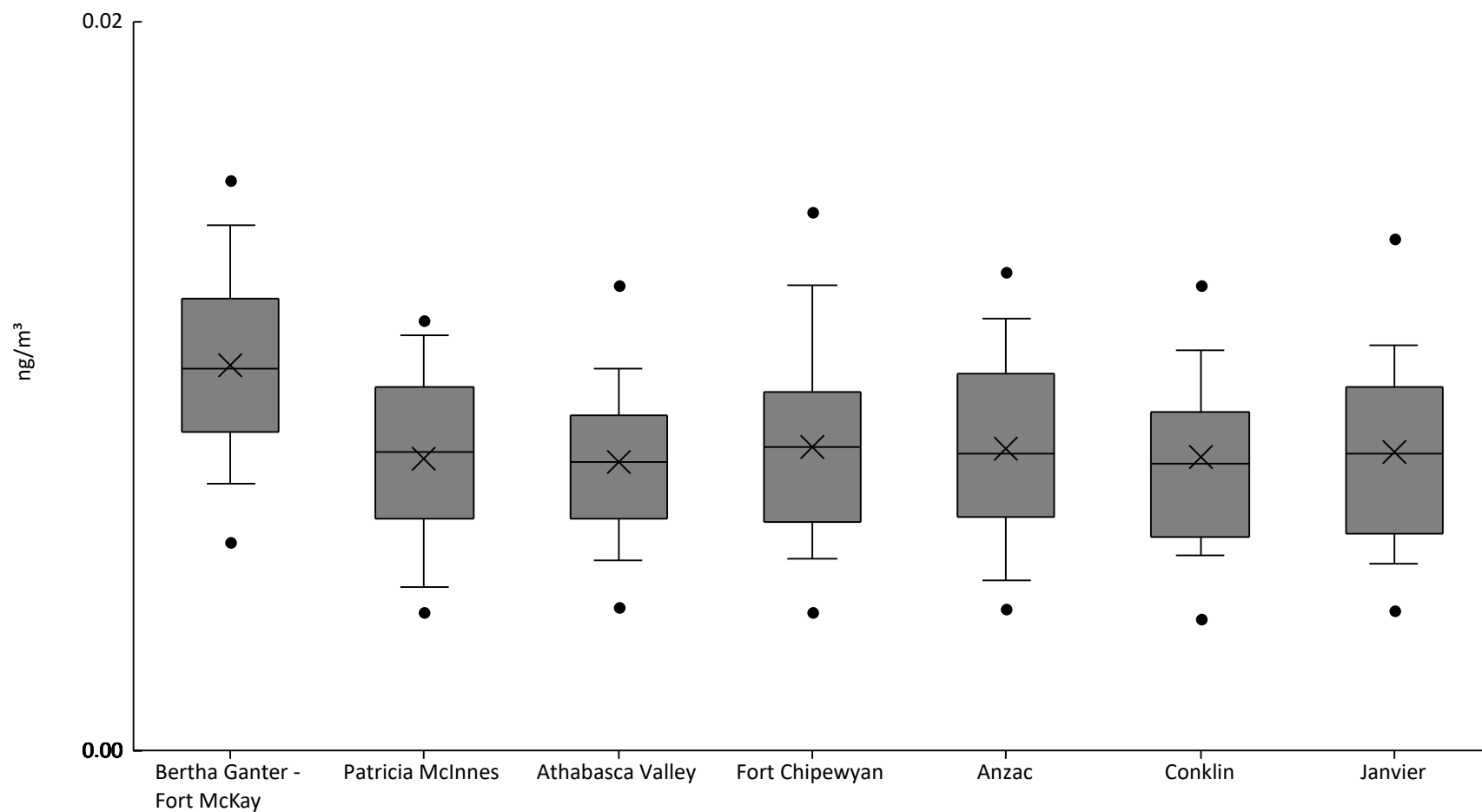
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.018	0.18	0.22	0.31	0.37	0.6	0.82	1	1.2	0.45	0.25
AMS06	Patricia McInnes	60	100%	0.058	0.095	0.12	0.23	0.39	0.59	0.88	0.98	1.6	0.45	0.3
AMS07	Athabasca Valley	60	100%	0.052	0.067	0.1	0.25	0.4	0.98	2.1	2.8	3.2	0.74	0.8
AMS08	Fort Chipewyan	47	100%	0.026	0.041	0.066	0.11	0.23	0.4	0.54	0.59	1	0.28	0.21
AMS14	Anzac	61	100%	0.069	0.11	0.12	0.22	0.51	1.1	2.1	3.1	3.8	0.84	0.9
AMS21	Conklin	60	100%	0.091	0.2	0.23	0.38	0.66	1.2	1.7	1.9	3.4	0.83	0.62
AMS22	Janvier	60	100%	0.028	0.041	0.05	0.092	0.16	0.32	0.49	0.55	1.7	0.24	0.24





Polycyclic Aromatic Hydrocarbons - Acridine (ng/m³) - 2022

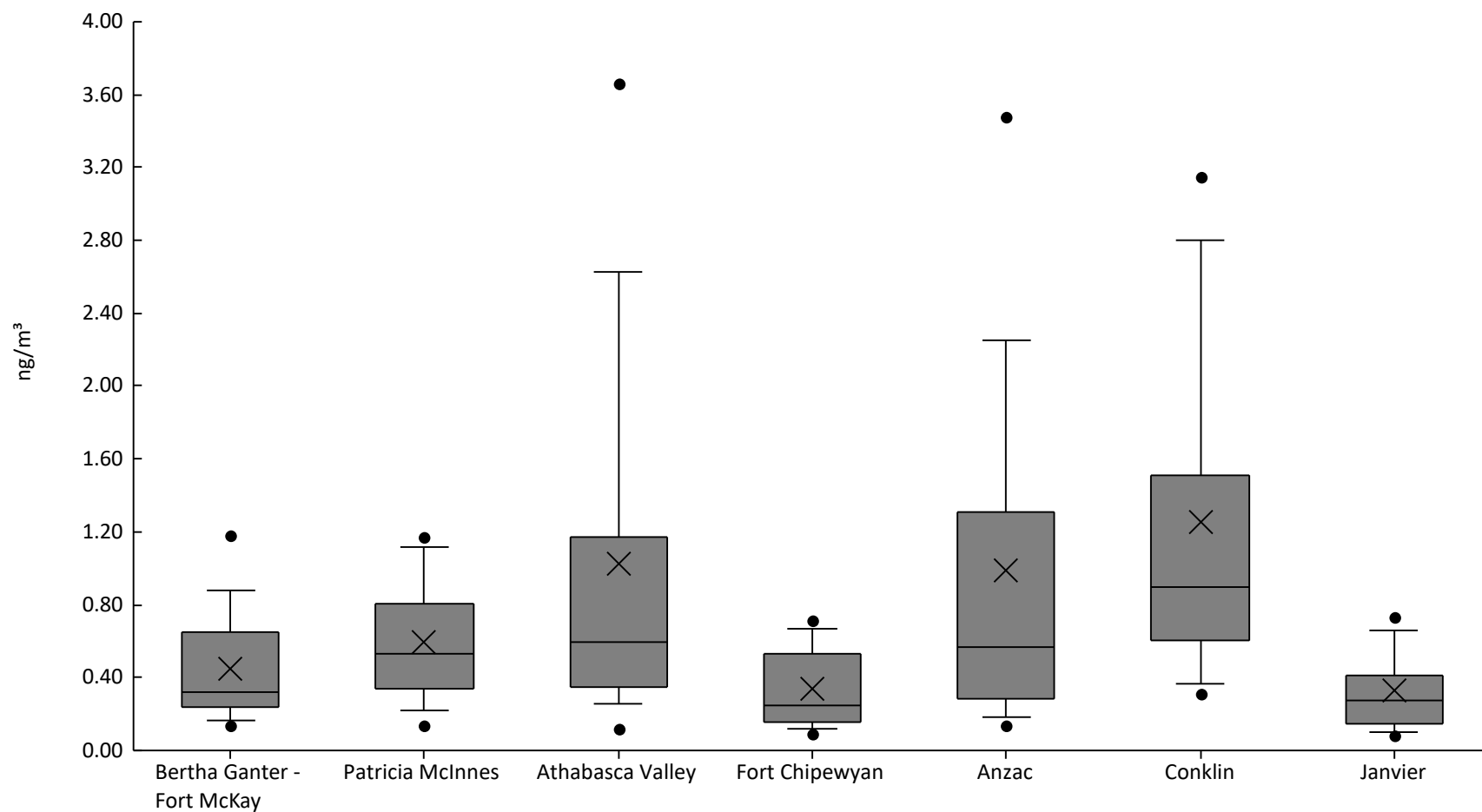
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	4.2E-3	5.7E-3	7.3E-3	8.8E-3	0.01	0.012	0.014	0.016	0.017	0.011	2.9E-3
AMS06	Patricia McInnes	60	100%	2E-3	3.8E-3	4.5E-3	6.4E-3	8.2E-3	1E-2	0.011	0.012	0.013	8E-3	2.5E-3
AMS07	Athabasca Valley	60	100%	2.3E-3	3.9E-3	5.2E-3	6.4E-3	7.9E-3	9.2E-3	0.01	0.013	0.015	7.9E-3	2.5E-3
AMS08	Fort Chipewyan	47	100%	2E-3	3.8E-3	5.3E-3	6.3E-3	8.3E-3	9.9E-3	0.013	0.015	0.016	8.3E-3	3.1E-3
AMS14	Anzac	61	100%	1.4E-3	3.9E-3	4.7E-3	6.4E-3	8.1E-3	0.01	0.012	0.013	0.014	8.3E-3	2.8E-3
AMS21	Conklin	60	100%	2.3E-3	3.6E-3	5.3E-3	5.9E-3	7.9E-3	9.3E-3	0.011	0.013	0.022	8.1E-3	3E-3
AMS22	Janvier	60	100%	1.8E-3	3.9E-3	5.1E-3	6E-3	8.1E-3	1E-2	0.011	0.014	0.018	8.2E-3	3E-3





Polycyclic Aromatic Hydrocarbons - Fluoranthene (ng/m³) - 2022

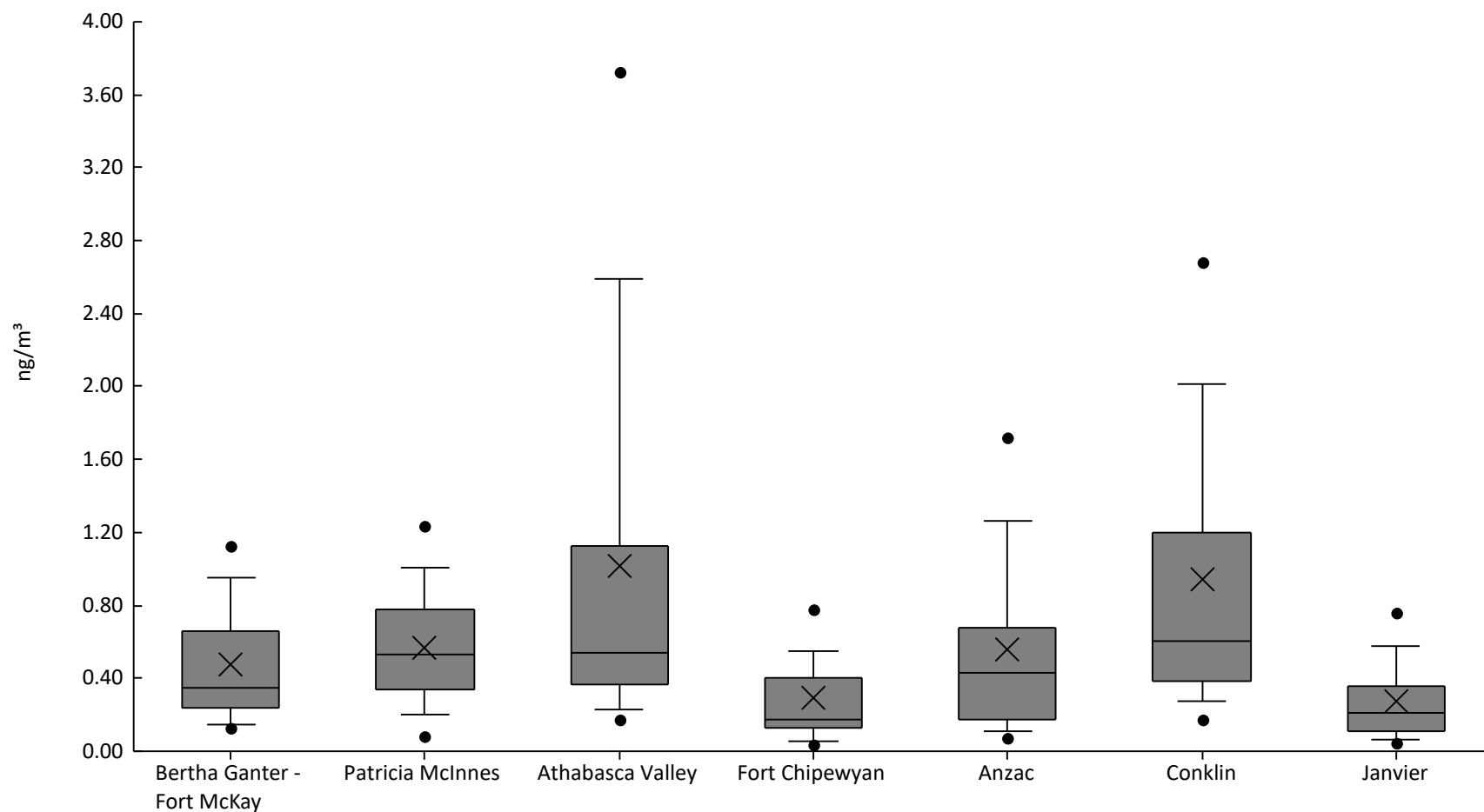
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.016	0.14	0.17	0.24	0.32	0.65	0.88	1.2	1.4	0.45	0.31
AMS06	Patricia McInnes	60	100%	0.1	0.14	0.22	0.34	0.53	0.8	1.1	1.2	1.7	0.6	0.34
AMS07	Athabasca Valley	60	100%	0.058	0.12	0.26	0.35	0.6	1.2	2.6	3.7	4.7	1	1.1
AMS08	Fort Chipewyan	47	100%	0.018	0.09	0.12	0.16	0.25	0.53	0.67	0.71	0.85	0.34	0.22
AMS14	Anzac	61	100%	0.098	0.14	0.18	0.28	0.57	1.3	2.3	3.5	4.9	0.99	1
AMS21	Conklin	60	100%	0.18	0.31	0.37	0.6	0.9	1.5	2.8	3.1	5.3	1.3	1.1
AMS22	Janvier	60	100%	0.023	0.083	0.1	0.14	0.27	0.41	0.66	0.73	1.5	0.33	0.25





Polycyclic Aromatic Hydrocarbons - Pyrene (ng/m³) - 2022

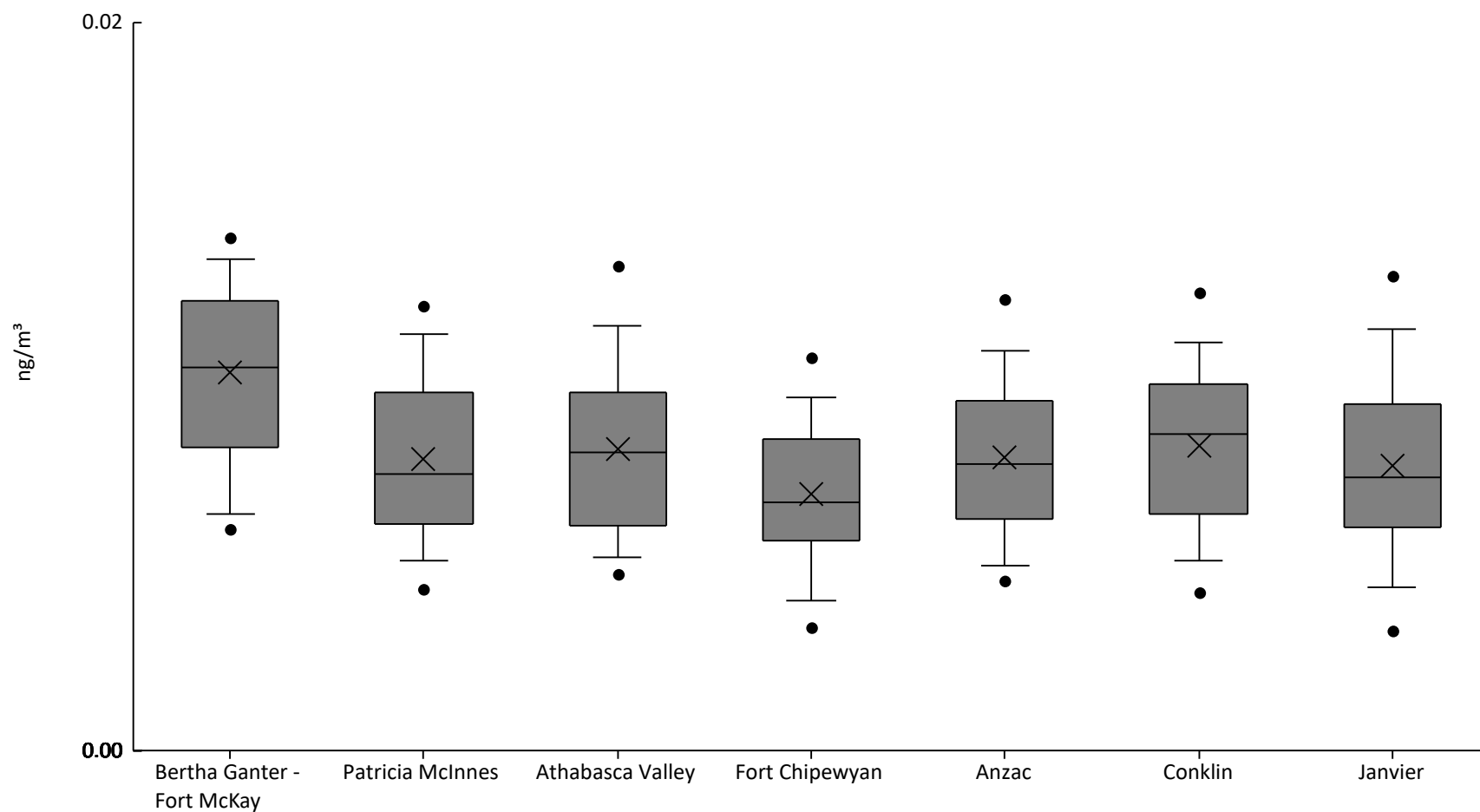
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.017	0.13	0.15	0.24	0.35	0.66	0.95	1.1	1.8	0.48	0.37
AMS06	Patricia McInnes	60	100%	0.033	0.078	0.2	0.34	0.53	0.78	1	1.2	1.3	0.57	0.32
AMS07	Athabasca Valley	60	100%	0.037	0.17	0.23	0.36	0.54	1.1	2.6	3.7	4.4	1	1.1
AMS08	Fort Chipewyan	47	100%	0.023	0.04	0.053	0.12	0.18	0.4	0.55	0.78	1.9	0.29	0.32
AMS14	Anzac	61	100%	0.046	0.074	0.11	0.17	0.43	0.68	1.3	1.7	3.1	0.56	0.61
AMS21	Conklin	60	100%	0.071	0.17	0.27	0.38	0.6	1.2	2	2.7	5.8	0.94	0.95
AMS22	Janvier	60	100%	0.035	0.049	0.067	0.11	0.21	0.36	0.58	0.76	1.5	0.28	0.25





Polycyclic Aromatic Hydrocarbons - Benzo(c)phenanthrene (ng/m³) - 2022

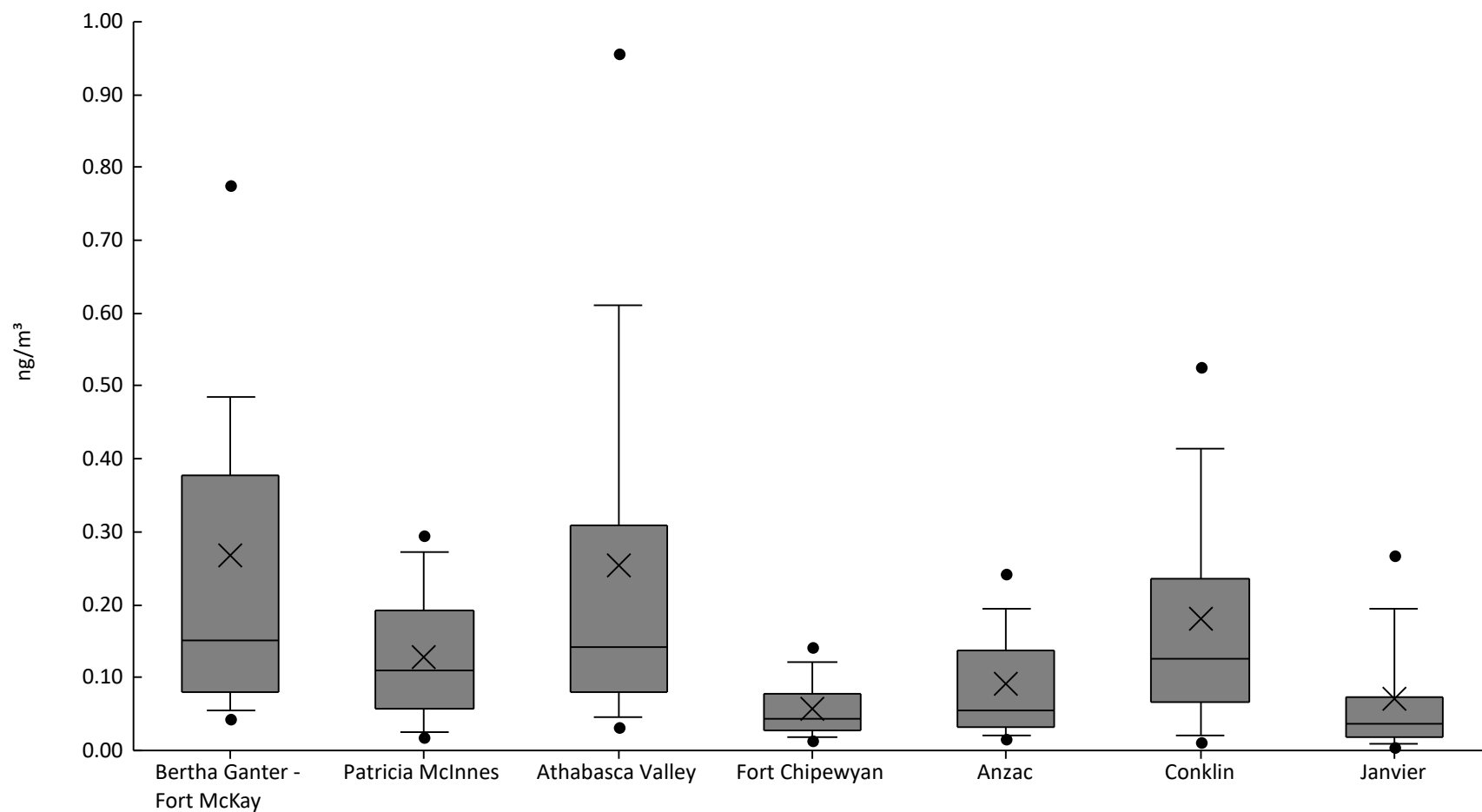
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	4.5E-3	6.1E-3	6.5E-3	8.3E-3	0.011	0.012	0.013	0.014	0.017	0.01	2.7E-3
AMS06	Patricia McInnes	60	100%	4.1E-3	4.4E-3	5.2E-3	6.2E-3	7.6E-3	9.9E-3	0.011	0.012	0.014	8E-3	2.4E-3
AMS07	Athabasca Valley	60	100%	1.3E-3	4.9E-3	5.3E-3	6.2E-3	8.2E-3	9.8E-3	0.012	0.013	0.016	8.3E-3	2.7E-3
AMS08	Fort Chipewyan	47	100%	3.3E-3	3.4E-3	4.1E-3	5.8E-3	6.8E-3	8.6E-3	9.7E-3	0.011	0.014	7.1E-3	2.3E-3
AMS14	Anzac	61	100%	2.7E-3	4.7E-3	5.1E-3	6.4E-3	7.9E-3	9.6E-3	0.011	0.012	0.015	8E-3	2.4E-3
AMS21	Conklin	60	100%	3.7E-3	4.4E-3	5.2E-3	6.5E-3	8.7E-3	0.01	0.011	0.013	0.014	8.4E-3	2.4E-3
AMS22	Janvier	60	100%	1.4E-3	3.3E-3	4.5E-3	6.1E-3	7.5E-3	9.5E-3	0.012	0.013	0.014	7.8E-3	2.8E-3





Polycyclic Aromatic Hydrocarbons - Benz(a)anthracene (ng/m³) - 2022

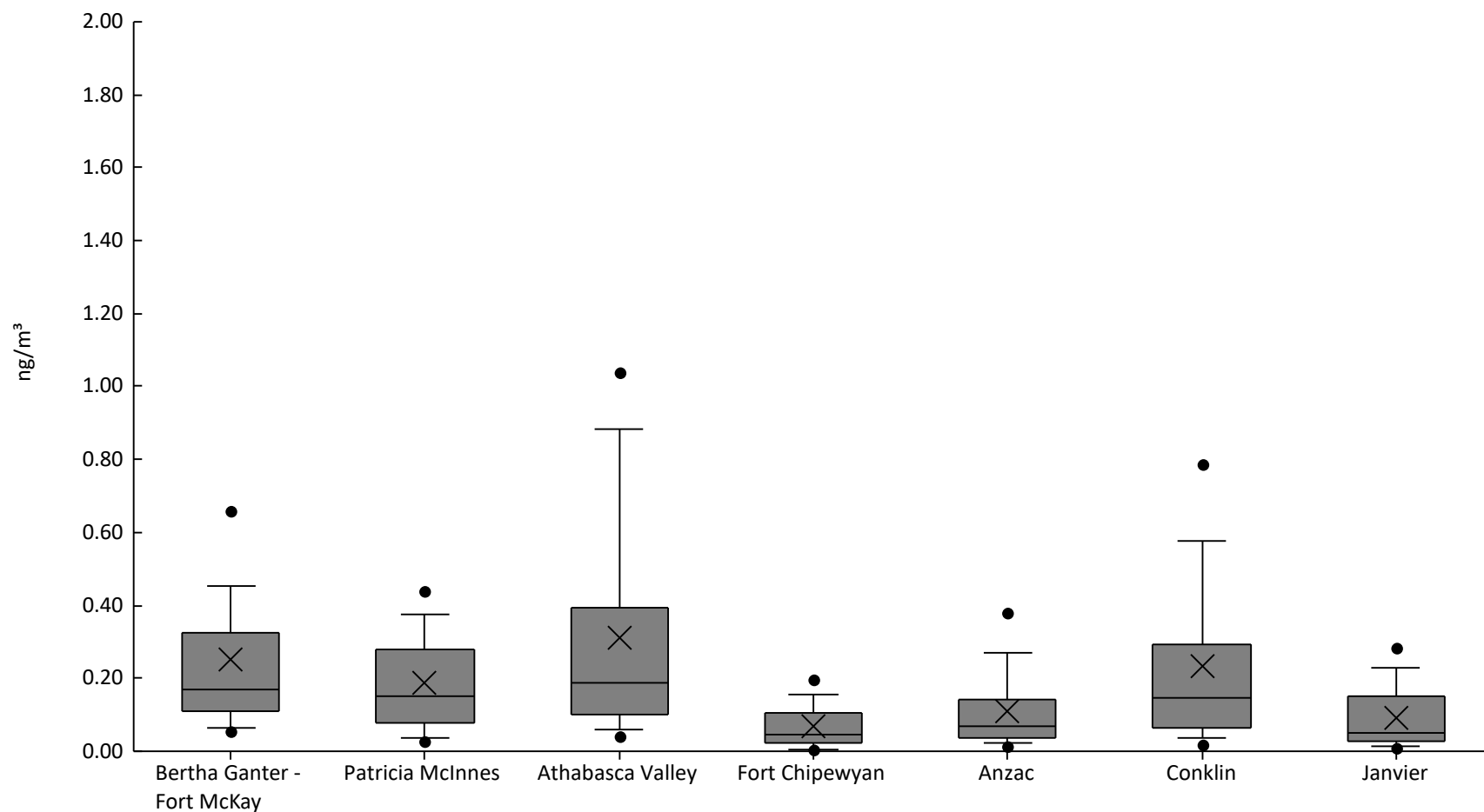
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	4.4E-3	0.044	0.056	0.08	0.15	0.38	0.48	0.78	2.6	0.27	0.38
AMS06	Patricia McInnes	60	100%	0.011	0.017	0.025	0.057	0.11	0.19	0.27	0.3	0.37	0.13	0.091
AMS07	Athabasca Valley	60	100%	0.022	0.032	0.046	0.079	0.14	0.31	0.61	0.96	1.2	0.25	0.27
AMS08	Fort Chipewyan	47	100%	4.4E-3	0.013	0.017	0.027	0.042	0.078	0.12	0.14	0.21	0.057	0.045
AMS14	Anzac	61	100%	0.013	0.016	0.02	0.031	0.055	0.14	0.19	0.24	0.53	0.093	0.089
AMS21	Conklin	60	100%	1.5E-3	0.011	0.02	0.067	0.13	0.24	0.41	0.53	0.93	0.18	0.17
AMS22	Janvier	60	98%	0	4.4E-3	8.6E-3	0.017	0.037	0.074	0.19	0.27	0.49	0.07	0.09





Polycyclic Aromatic Hydrocarbons - Chrysene (ng/m³) - 2022

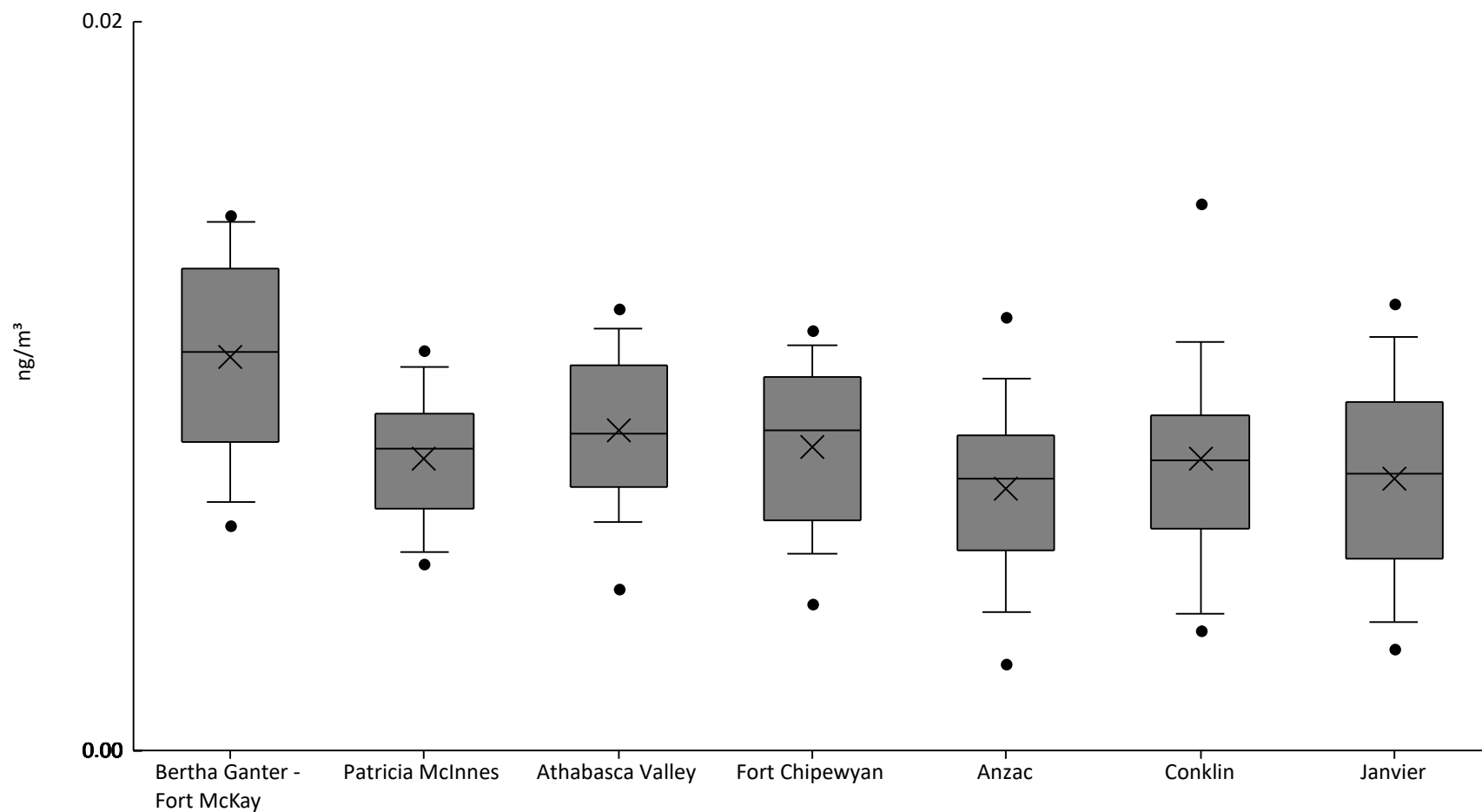
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	2.7E-3	0.055	0.063	0.11	0.17	0.33	0.45	0.66	1.9	0.25	0.28
AMS06	Patricia McInnes	60	100%	0.011	0.029	0.036	0.08	0.15	0.28	0.38	0.44	0.55	0.19	0.14
AMS07	Athabasca Valley	60	100%	0.02	0.043	0.059	0.1	0.19	0.39	0.88	1	1.4	0.31	0.32
AMS08	Fort Chipewyan	47	100%	1.9E-3	3.1E-3	5.7E-3	0.023	0.044	0.1	0.15	0.2	0.36	0.068	0.069
AMS14	Anzac	61	100%	7E-3	0.013	0.022	0.036	0.069	0.14	0.27	0.38	0.54	0.11	0.11
AMS21	Conklin	60	100%	1.5E-3	0.019	0.037	0.065	0.14	0.29	0.58	0.79	0.95	0.23	0.23
AMS22	Janvier	60	100%	2.6E-3	0.01	0.016	0.027	0.05	0.15	0.23	0.28	0.41	0.092	0.099





Polycyclic Aromatic Hydrocarbons - 7,12-Dimethylbenz(a)anthracene (ng/m³) - 2022

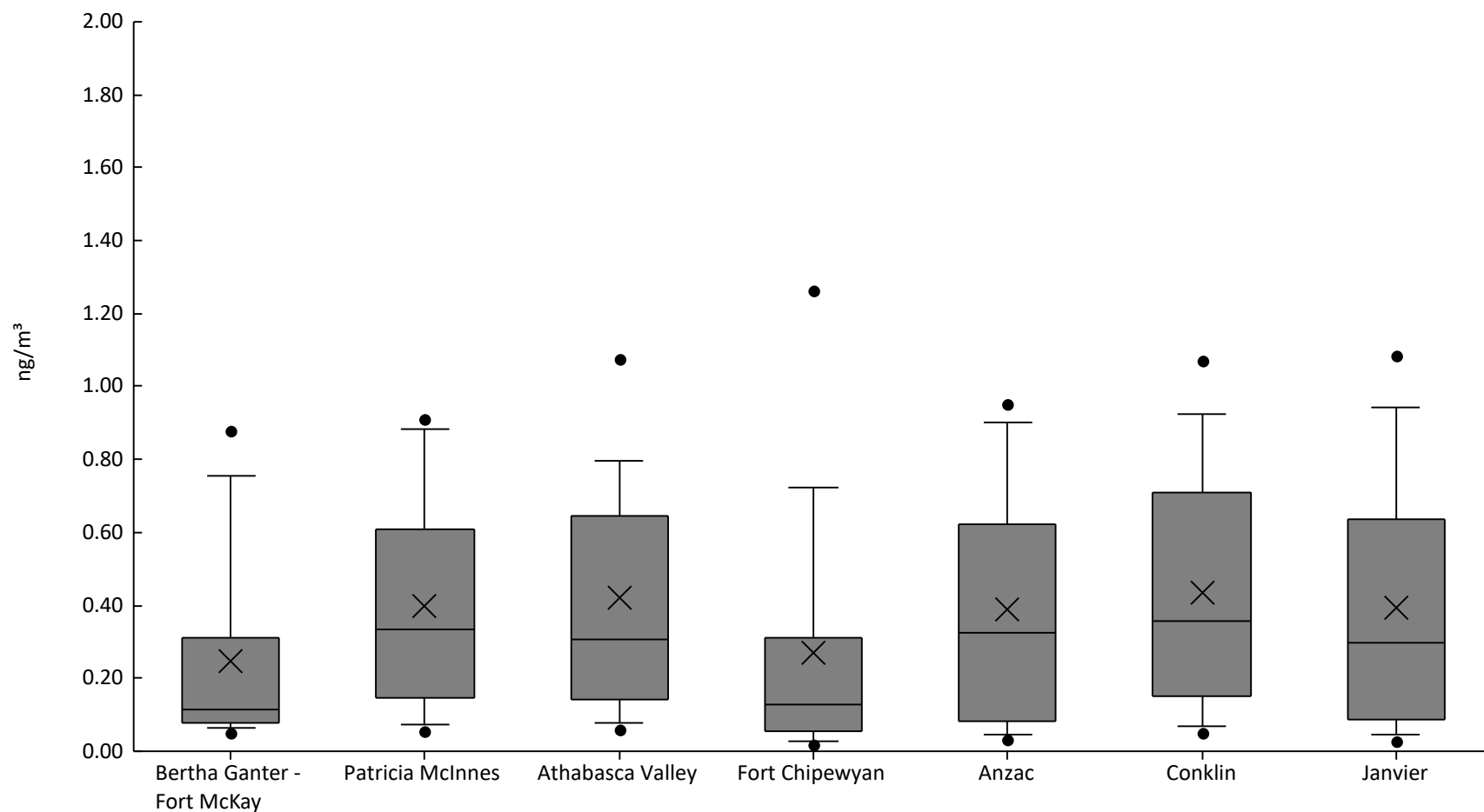
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	4.9E-3	6.2E-3	6.8E-3	8.5E-3	0.011	0.013	0.014	0.015	0.018	0.011	2.9E-3
AMS06	Patricia McInnes	60	100%	3.2E-3	5.1E-3	5.4E-3	6.6E-3	8.3E-3	9.2E-3	0.011	0.011	0.012	8E-3	1.9E-3
AMS07	Athabasca Valley	60	100%	1.5E-3	4.4E-3	6.3E-3	7.2E-3	8.7E-3	0.011	0.012	0.012	0.015	8.8E-3	2.5E-3
AMS08	Fort Chipewyan	47	100%	3.1E-3	4E-3	5.4E-3	6.3E-3	8.8E-3	0.01	0.011	0.012	0.014	8.3E-3	2.4E-3
AMS14	Anzac	61	100%	1.5E-3	2.4E-3	3.8E-3	5.5E-3	7.5E-3	8.6E-3	0.01	0.012	0.014	7.2E-3	2.6E-3
AMS21	Conklin	60	100%	2E-3	3.3E-3	3.7E-3	6.1E-3	8E-3	9.2E-3	0.011	0.015	0.019	8E-3	3.3E-3
AMS22	Janvier	60	100%	1.6E-3	2.8E-3	3.5E-3	5.3E-3	7.6E-3	9.5E-3	0.011	0.012	0.013	7.5E-3	2.9E-3





Polycyclic Aromatic Hydrocarbons - Benzo(b)fluoranthene (ng/m³) - 2022

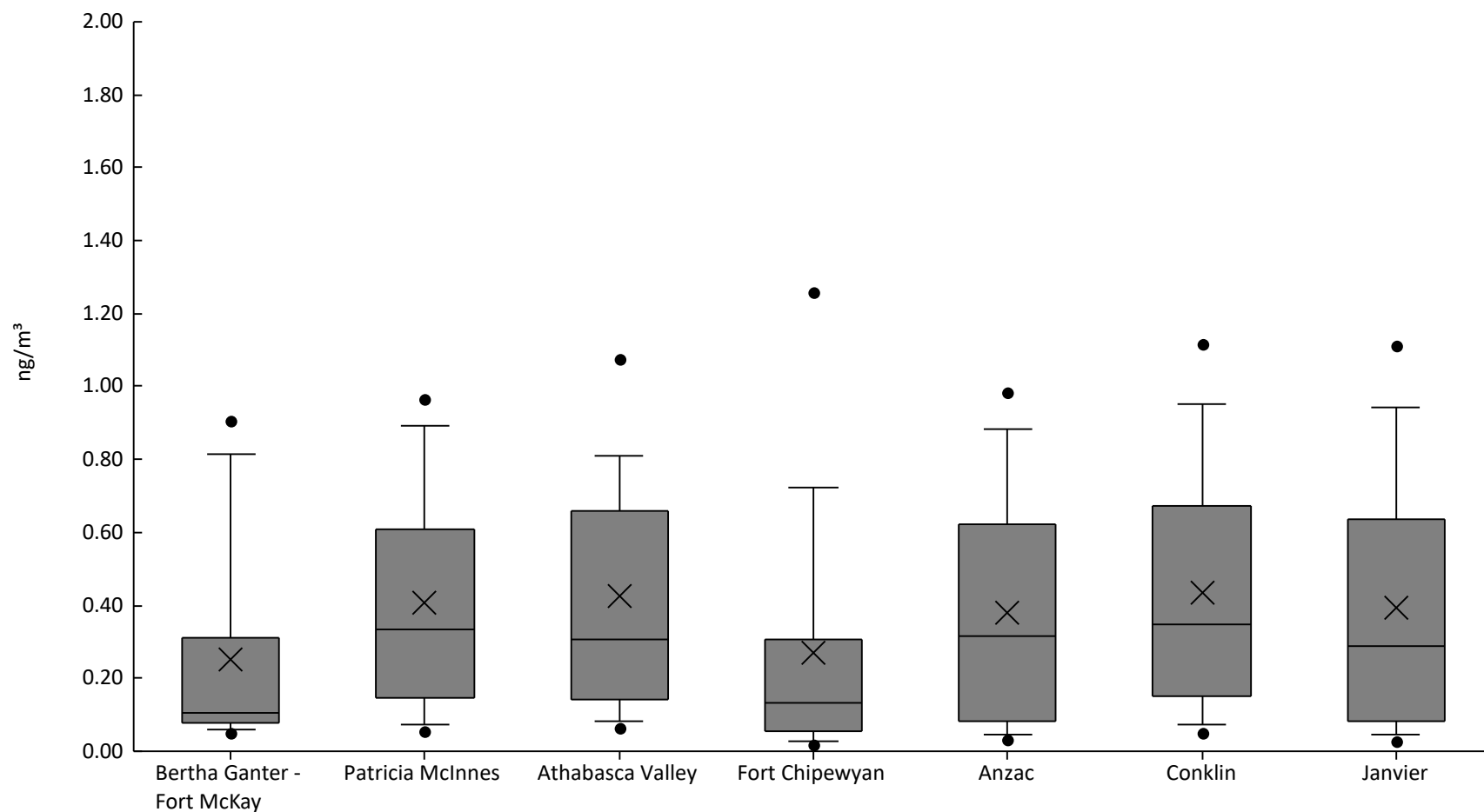
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.016	0.052	0.062	0.077	0.11	0.31	0.75	0.88	0.96	0.25	0.26
AMS06	Patricia McInnes	60	100%	0.028	0.057	0.074	0.15	0.33	0.61	0.88	0.91	1	0.4	0.29
AMS07	Athabasca Valley	60	100%	0.021	0.059	0.079	0.14	0.31	0.64	0.8	1.1	1.8	0.42	0.35
AMS08	Fort Chipewyan	47	100%	0.017	0.018	0.027	0.056	0.13	0.31	0.72	1.3	1.5	0.27	0.37
AMS14	Anzac	61	100%	0.02	0.033	0.046	0.081	0.33	0.62	0.9	0.95	1.6	0.39	0.34
AMS21	Conklin	60	100%	0.017	0.049	0.07	0.15	0.36	0.71	0.92	1.1	1.2	0.44	0.33
AMS22	Janvier	60	100%	0.016	0.026	0.046	0.086	0.3	0.64	0.94	1.1	1.4	0.39	0.36





Polycyclic Aromatic Hydrocarbons - Benzo(k)fluoranthene (ng/m³) - 2022

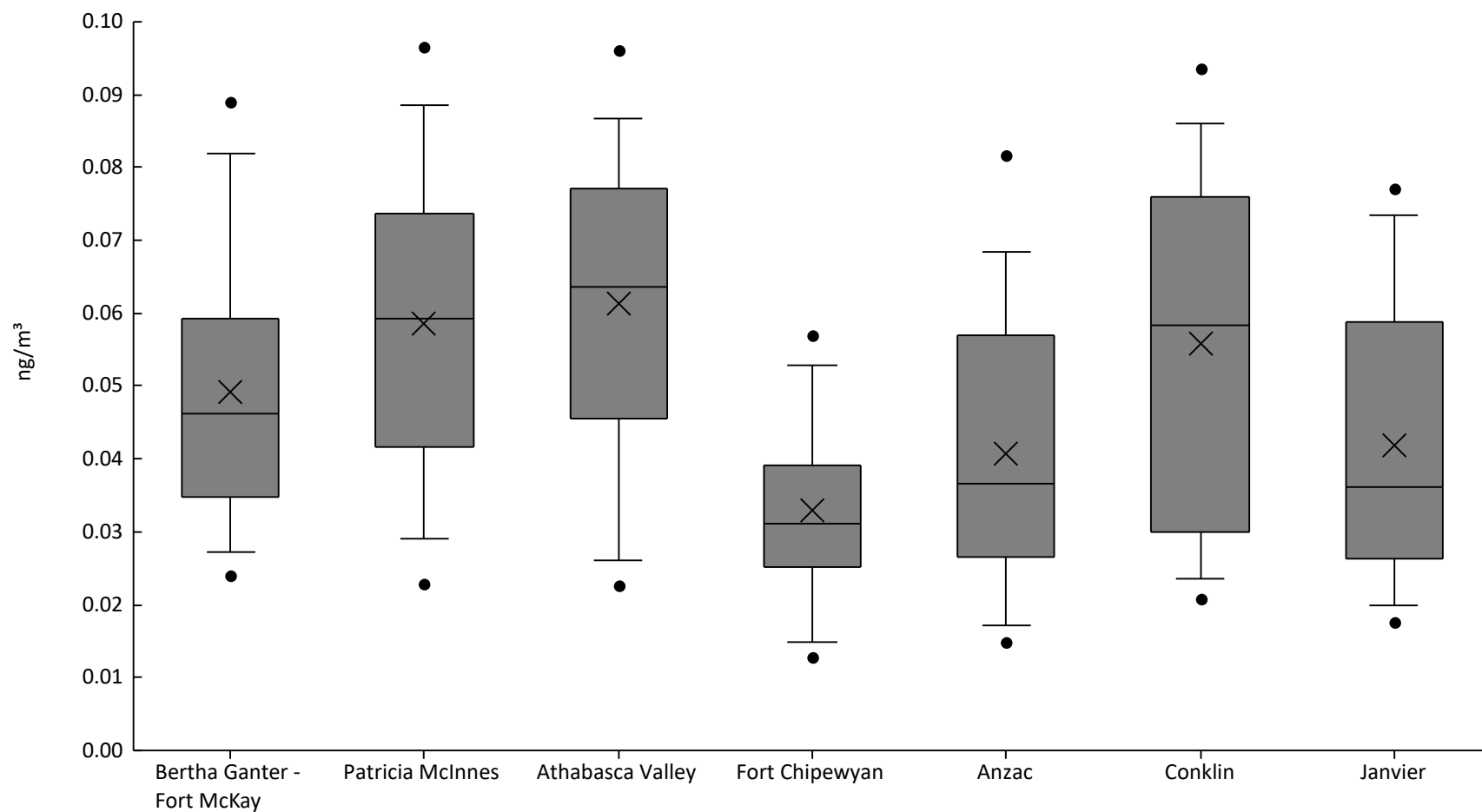
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	0.016	0.049	0.061	0.076	0.11	0.31	0.81	0.9	1	0.25	0.27
AMS06	Patricia McInnes	60	100%	0.028	0.053	0.071	0.15	0.33	0.61	0.89	0.97	1.1	0.41	0.3
AMS07	Athabasca Valley	60	100%	0.021	0.063	0.081	0.14	0.31	0.66	0.81	1.1	1.8	0.42	0.35
AMS08	Fort Chipewyan	47	100%	0.017	0.018	0.03	0.054	0.13	0.31	0.72	1.3	1.5	0.27	0.37
AMS14	Anzac	61	100%	0.02	0.033	0.046	0.083	0.31	0.62	0.89	0.98	1.5	0.38	0.34
AMS21	Conklin	60	100%	0.017	0.052	0.072	0.15	0.35	0.67	0.95	1.1	1.2	0.44	0.34
AMS22	Janvier	60	100%	0.016	0.026	0.047	0.082	0.29	0.64	0.94	1.1	1.4	0.39	0.36





Polycyclic Aromatic Hydrocarbons - Benzo(a)pyrene (ng/m³) - 2022

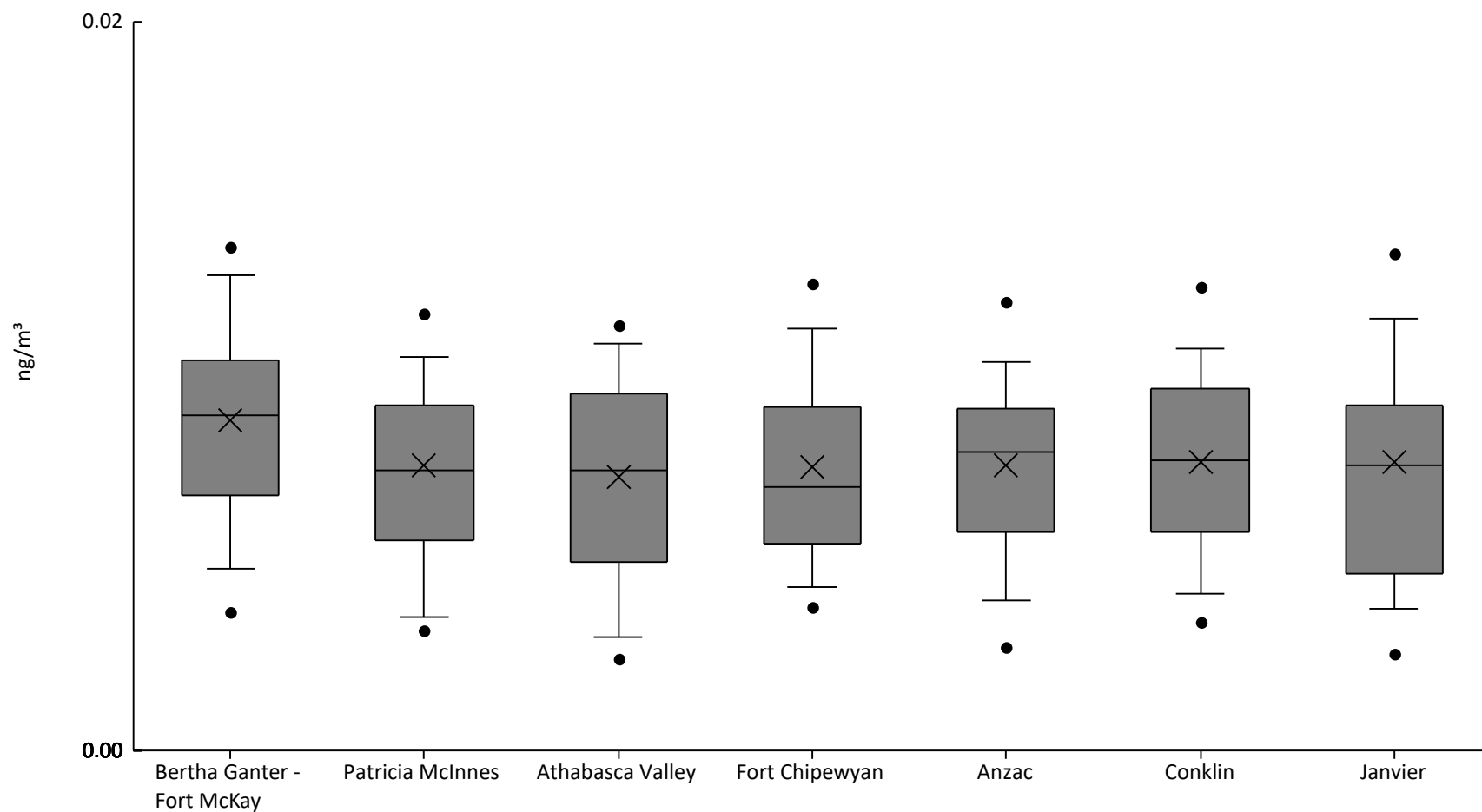
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	3.6E-3	0.024	0.027	0.035	0.046	0.059	0.082	0.089	0.09	0.049	0.019
AMS06	Patricia McInnes	60	100%	0.016	0.023	0.029	0.042	0.059	0.074	0.089	0.097	0.1	0.059	0.022
AMS07	Athabasca Valley	60	100%	0.016	0.023	0.026	0.046	0.064	0.077	0.087	0.096	0.1	0.061	0.022
AMS08	Fort Chipewyan	47	100%	0.012	0.013	0.015	0.025	0.031	0.039	0.053	0.057	0.078	0.033	0.014
AMS14	Anzac	61	100%	0.012	0.015	0.017	0.027	0.037	0.057	0.069	0.082	0.09	0.041	0.02
AMS21	Conklin	60	100%	0.018	0.021	0.024	0.03	0.058	0.076	0.086	0.094	0.13	0.056	0.026
AMS22	Janvier	60	100%	0.016	0.018	0.02	0.026	0.036	0.059	0.073	0.077	0.096	0.042	0.02





Polycyclic Aromatic Hydrocarbons - 3-Methylcholanthrene (ng/m³) - 2022

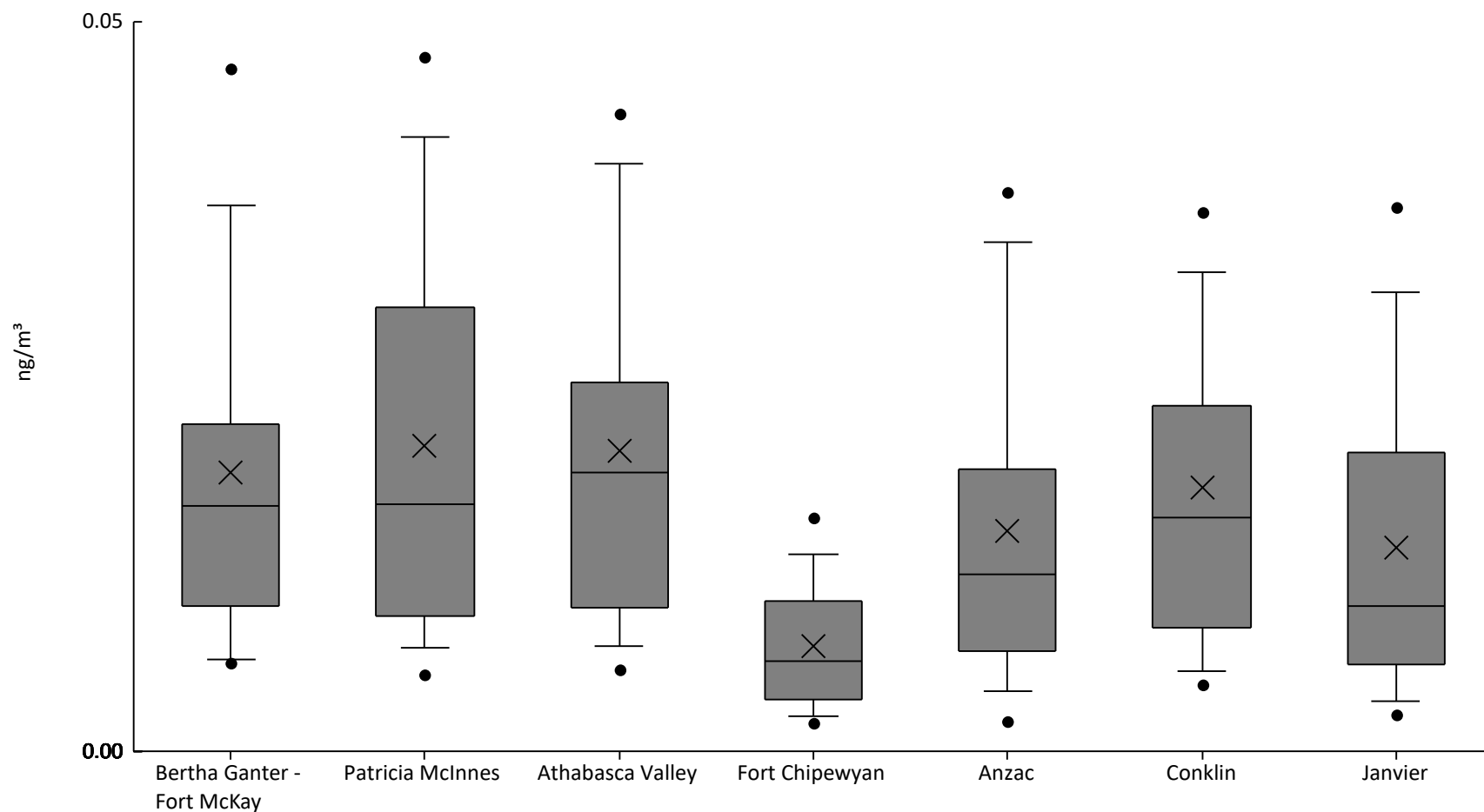
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	3.1E-3	3.8E-3	5E-3	7E-3	9.2E-3	0.011	0.013	0.014	0.02	9.1E-3	3.1E-3
AMS06	Patricia McInnes	60	100%	2.3E-3	3.3E-3	3.7E-3	5.8E-3	7.7E-3	9.5E-3	0.011	0.012	0.025	7.8E-3	3.5E-3
AMS07	Athabasca Valley	60	100%	1.2E-3	2.5E-3	3.1E-3	5.2E-3	7.7E-3	9.8E-3	0.011	0.012	0.013	7.5E-3	3E-3
AMS08	Fort Chipewyan	47	100%	3.3E-3	3.9E-3	4.5E-3	5.7E-3	7.2E-3	9.4E-3	0.012	0.013	0.019	7.8E-3	3.1E-3
AMS14	Anzac	61	100%	1.3E-3	2.8E-3	4.1E-3	6E-3	8.2E-3	9.4E-3	0.011	0.012	0.017	7.8E-3	2.8E-3
AMS21	Conklin	60	100%	1.3E-3	3.5E-3	4.3E-3	6E-3	8E-3	9.9E-3	0.011	0.013	0.015	7.9E-3	2.8E-3
AMS22	Janvier	60	100%	1.8E-3	2.7E-3	3.9E-3	4.9E-3	7.8E-3	9.5E-3	0.012	0.014	0.033	7.9E-3	4.4E-3





Polycyclic Aromatic Hydrocarbons - Indeno(123-cd)pyrene (ng/m³) - 2022

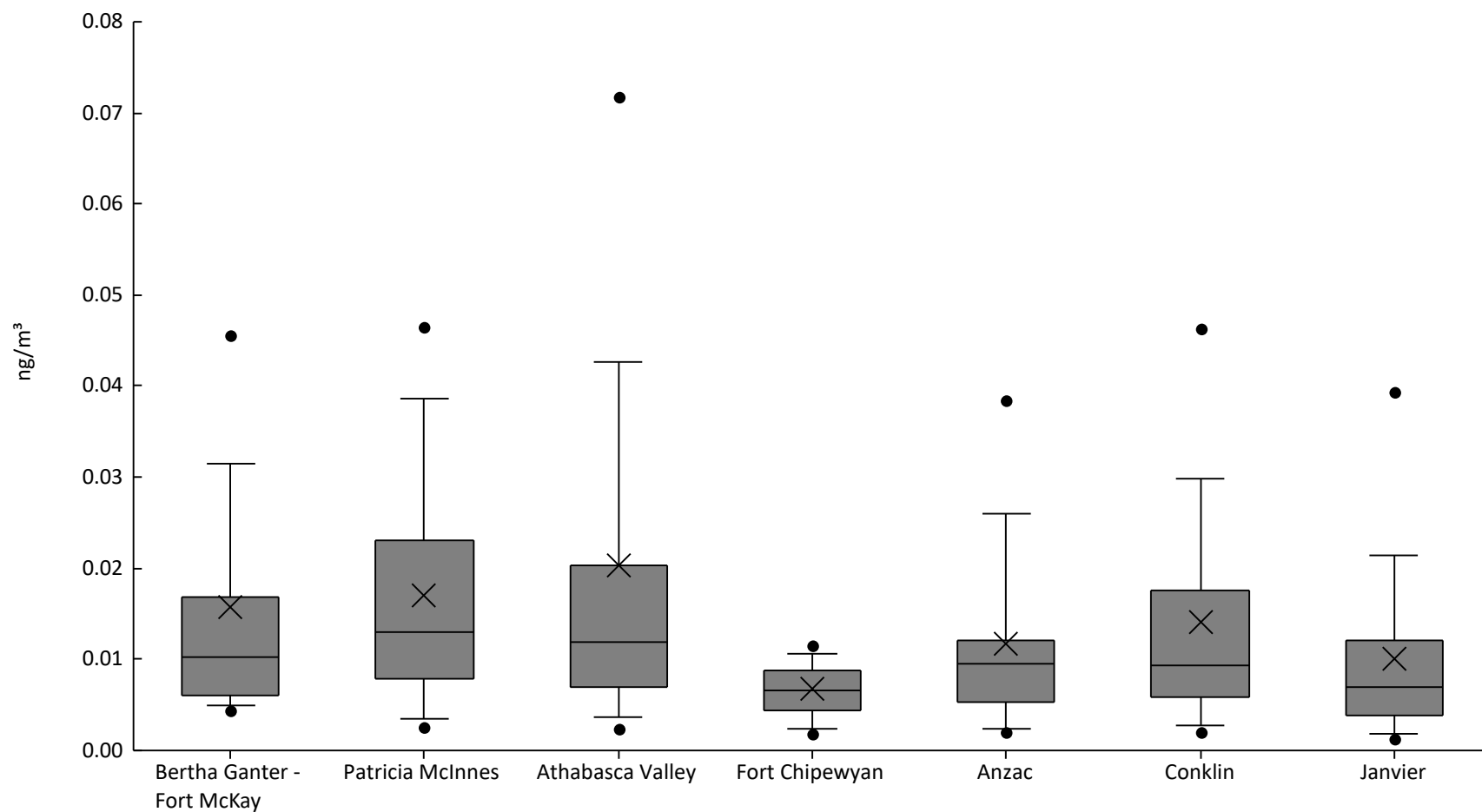
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	3.3E-3	6.1E-3	6.3E-3	1E-2	0.017	0.022	0.037	0.047	0.057	0.019	0.012
AMS06	Patricia McInnes	60	100%	1.3E-3	5.3E-3	7.1E-3	9.3E-3	0.017	0.03	0.042	0.048	0.066	0.021	0.015
AMS07	Athabasca Valley	60	100%	2.8E-3	5.7E-3	7.2E-3	9.8E-3	0.019	0.025	0.04	0.044	0.066	0.021	0.013
AMS08	Fort Chipewyan	47	98%	0	2E-3	2.4E-3	3.6E-3	6.2E-3	0.01	0.013	0.016	0.021	7.2E-3	4.7E-3
AMS14	Anzac	61	98%	0	2.1E-3	4.2E-3	6.9E-3	0.012	0.019	0.035	0.038	0.055	0.015	0.012
AMS21	Conklin	60	100%	2.2E-3	4.5E-3	5.5E-3	8.4E-3	0.016	0.024	0.033	0.037	0.086	0.018	0.014
AMS22	Janvier	60	98%	0	2.5E-3	3.4E-3	6E-3	1E-2	0.02	0.031	0.037	0.046	0.014	0.011





Polycyclic Aromatic Hydrocarbons - Dibenz(a,h)anthracene (ng/m³) - 2022

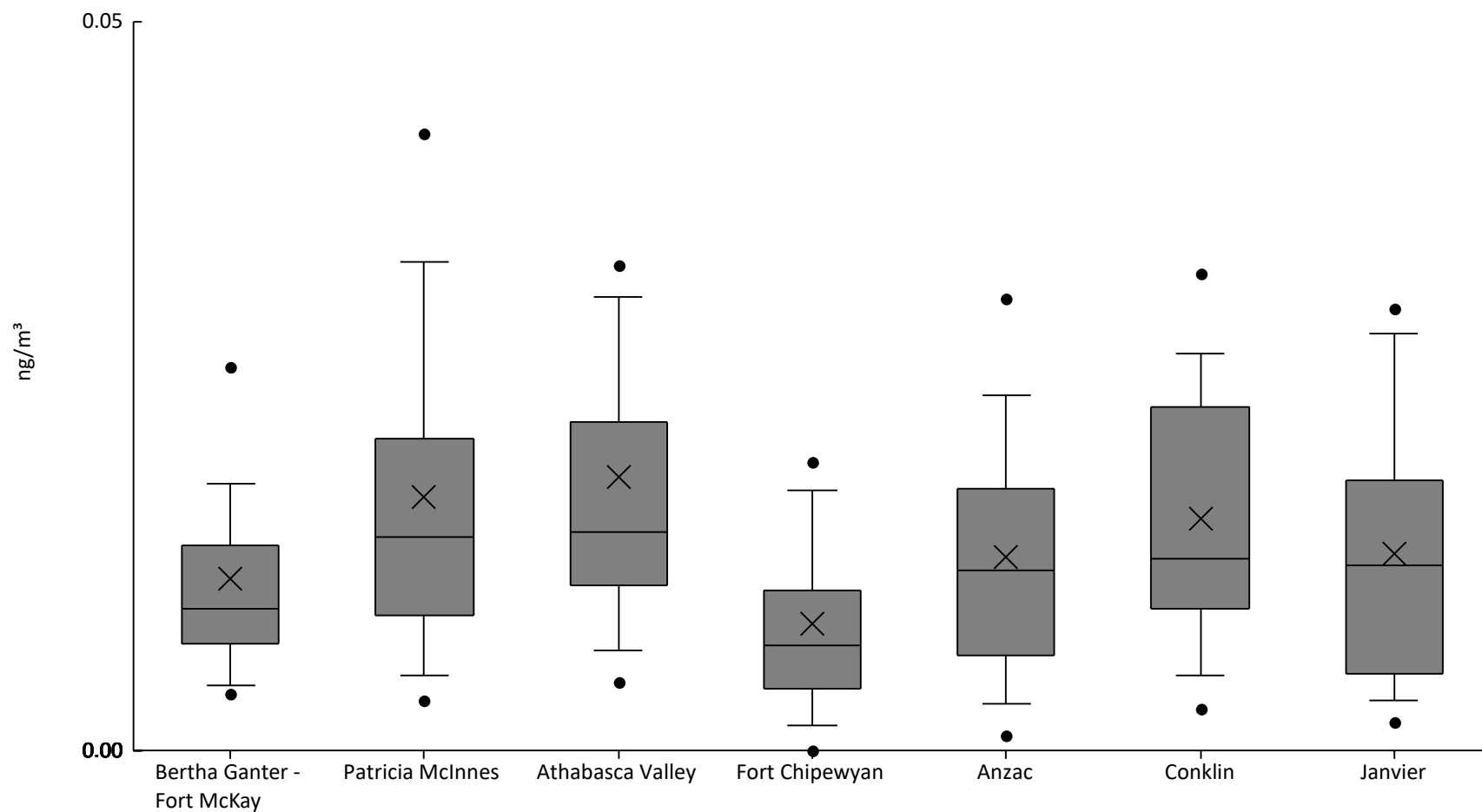
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	98%	0	4.5E-3	5E-3	6E-3	0.01	0.017	0.032	0.046	0.16	0.016	0.021
AMS06	Patricia McInnes	60	100%	1.2E-3	2.5E-3	3.4E-3	7.9E-3	0.013	0.023	0.039	0.046	0.06	0.017	0.013
AMS07	Athabasca Valley	60	98%	0	2.3E-3	3.6E-3	6.9E-3	0.012	0.02	0.043	0.072	0.16	0.02	0.027
AMS08	Fort Chipewyan	47	98%	0	1.9E-3	2.4E-3	4.4E-3	6.6E-3	8.8E-3	0.011	0.011	0.021	6.8E-3	3.5E-3
AMS14	Anzac	61	100%	1.2E-3	2E-3	2.3E-3	5.4E-3	9.6E-3	0.012	0.026	0.038	0.05	0.012	0.01
AMS21	Conklin	60	98%	0	2E-3	2.7E-3	5.9E-3	9.4E-3	0.018	0.03	0.046	0.062	0.014	0.013
AMS22	Janvier	60	95%	0	1.2E-3	1.9E-3	3.9E-3	6.9E-3	0.012	0.021	0.039	0.049	0.01	0.011





Polycyclic Aromatic Hydrocarbons - Benzo(ghi)perylene (ng/m³) - 2022

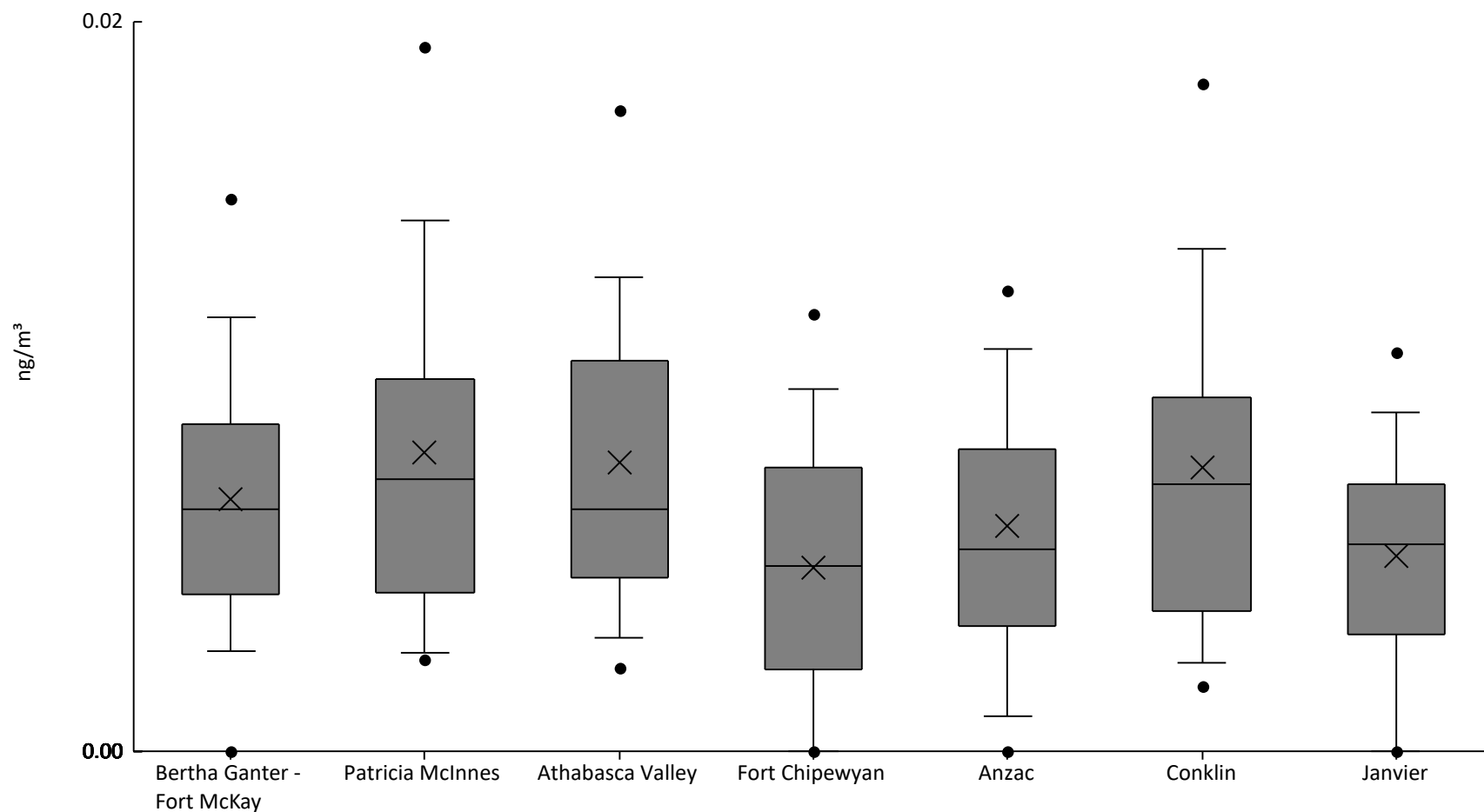
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	100%	3.2E-3	3.9E-3	4.4E-3	7.4E-3	9.8E-3	0.014	0.018	0.026	0.05	0.012	8.5E-3
AMS06	Patricia McInnes	60	100%	1.8E-3	3.5E-3	5.1E-3	9.3E-3	0.015	0.021	0.033	0.042	0.055	0.017	0.012
AMS07	Athabasca Valley	60	100%	3.2E-3	4.6E-3	6.9E-3	0.011	0.015	0.023	0.031	0.033	0.12	0.019	0.016
AMS08	Fort Chipewyan	47	94%	0	0	1.8E-3	4.3E-3	7.2E-3	0.011	0.018	0.02	0.032	8.7E-3	6.6E-3
AMS14	Anzac	61	95%	0	1E-3	3.2E-3	6.5E-3	0.012	0.018	0.024	0.031	0.043	0.013	9E-3
AMS21	Conklin	60	100%	1.6E-3	2.8E-3	5.1E-3	9.8E-3	0.013	0.024	0.027	0.033	0.036	0.016	8.8E-3
AMS22	Janvier	60	97%	0	1.9E-3	3.4E-3	5.2E-3	0.013	0.019	0.029	0.03	0.033	0.014	8.9E-3





Polycyclic Aromatic Hydrocarbons - Dibenzo(a,l)pyrene (ng/m³) - 2022

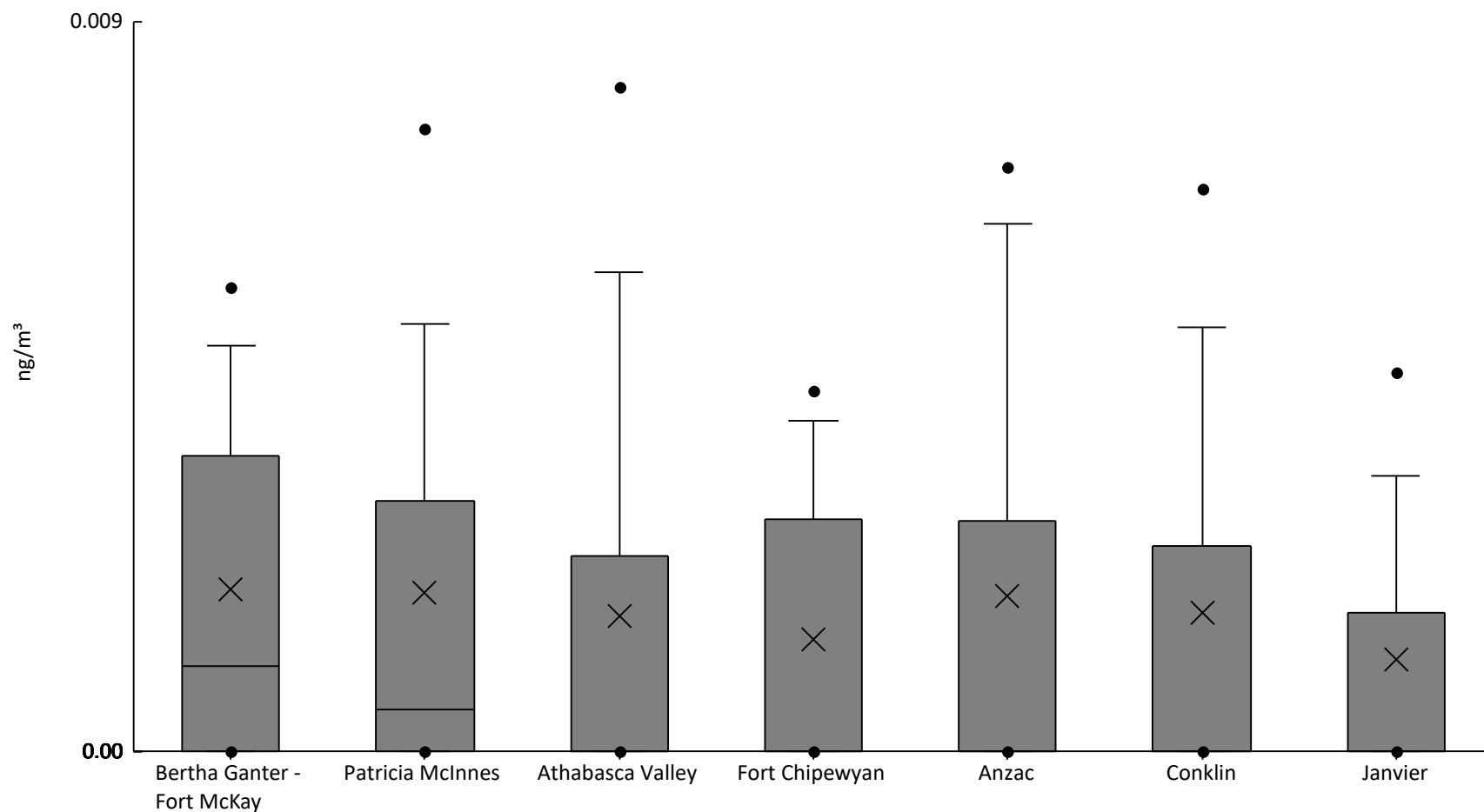
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	92%	0	0	2.8E-3	4.3E-3	6.6E-3	9E-3	0.012	0.015	0.019	6.9E-3	4E-3
AMS06	Patricia McInnes	60	98%	0	2.5E-3	2.7E-3	4.4E-3	7.4E-3	0.01	0.015	0.019	0.024	8.2E-3	5E-3
AMS07	Athabasca Valley	60	97%	0	2.3E-3	3.1E-3	4.8E-3	6.6E-3	0.011	0.013	0.018	0.024	7.9E-3	4.7E-3
AMS08	Fort Chipewyan	47	85%	0	0	0	2.2E-3	5.1E-3	7.8E-3	9.9E-3	0.012	0.012	5E-3	3.6E-3
AMS14	Anzac	61	90%	0	0	9.8E-4	3.4E-3	5.5E-3	8.3E-3	0.011	0.013	0.033	6.2E-3	4.9E-3
AMS21	Conklin	60	97%	0	1.8E-3	2.4E-3	3.8E-3	7.3E-3	9.7E-3	0.014	0.018	0.037	7.8E-3	6E-3
AMS22	Janvier	60	87%	0	0	0	3.2E-3	5.7E-3	7.3E-3	9.3E-3	0.011	0.015	5.3E-3	3.3E-3





Polycyclic Aromatic Hydrocarbons - Dibenzo(a,i)pyrene (ng/m³) - 2022

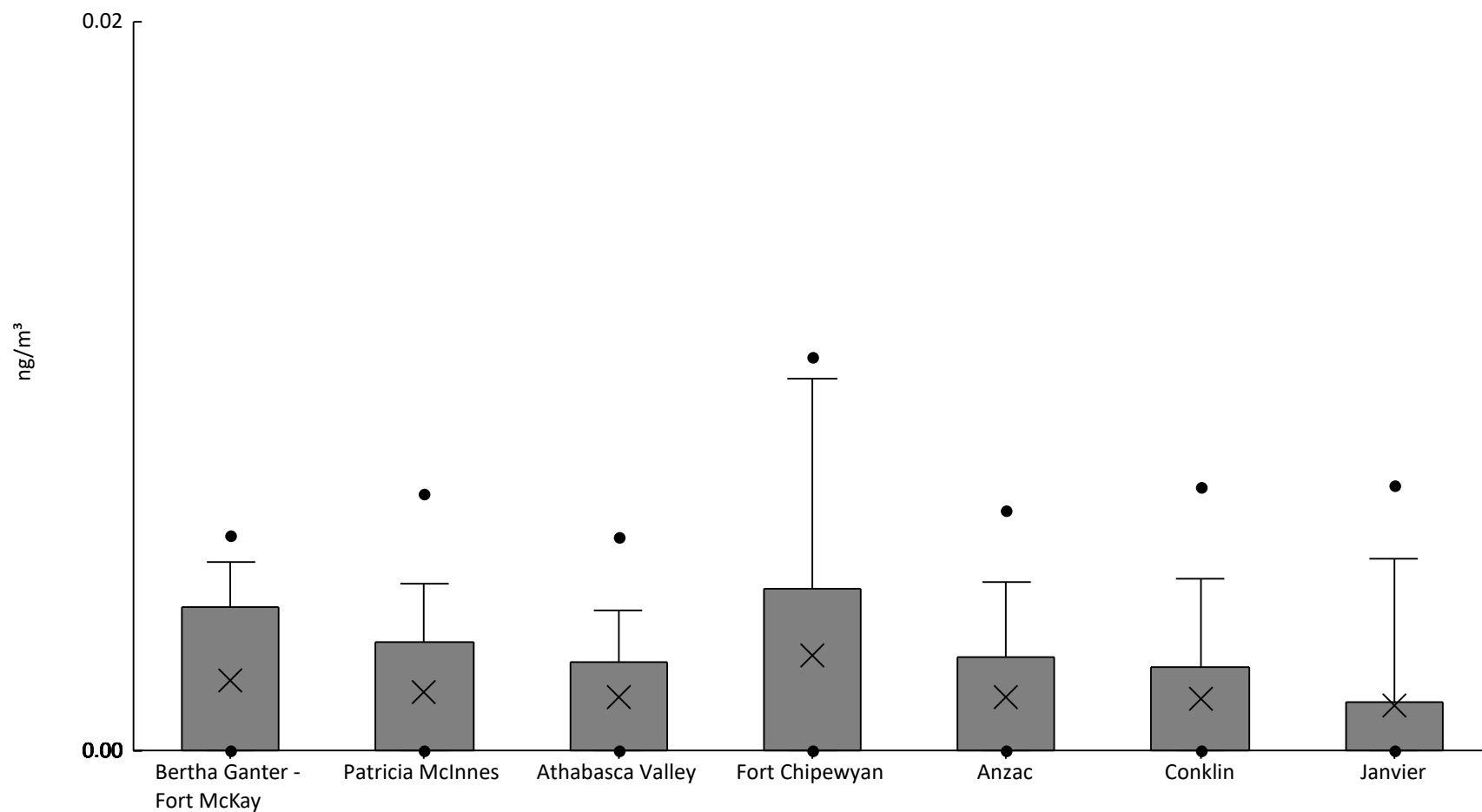
Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	48%	0	0	0	0	1E-3	3.6E-3	5E-3	5.7E-3	6.9E-3	2E-3	2.2E-3
AMS06	Patricia McInnes	60	47%	0	0	0	0	5.1E-4	3.1E-3	5.3E-3	7.7E-3	0.013	2E-3	2.8E-3
AMS07	Athabasca Valley	60	38%	0	0	0	0	0	2.4E-3	5.9E-3	8.2E-3	9.7E-3	1.7E-3	2.6E-3
AMS08	Fort Chipewyan	47	43%	0	0	0	0	0	2.9E-3	4.1E-3	4.4E-3	7.1E-3	1.4E-3	1.8E-3
AMS14	Anzac	61	43%	0	0	0	0	0	2.8E-3	6.5E-3	7.2E-3	0.014	1.9E-3	3E-3
AMS21	Conklin	60	42%	0	0	0	0	0	2.5E-3	5.2E-3	6.9E-3	0.012	1.7E-3	2.6E-3
AMS22	Janvier	60	30%	0	0	0	0	0	1.7E-3	3.4E-3	4.7E-3	0.015	1.1E-3	2.4E-3





Polycyclic Aromatic Hydrocarbons - Dibenzo(a,h)pyrene (ng/m³) - 2022

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	60	45%	0	0	0	0	0	4E-3	5.2E-3	5.9E-3	7.8E-3	1.9E-3	2.3E-3
AMS06	Patricia McInnes	60	40%	0	0	0	0	0	3E-3	4.6E-3	7E-3	9.1E-3	1.6E-3	2.3E-3
AMS07	Athabasca Valley	60	42%	0	0	0	0	0	2.4E-3	3.8E-3	5.9E-3	0.013	1.4E-3	2.4E-3
AMS08	Fort Chipewyan	47	40%	0	0	0	0	0	4.4E-3	0.01	0.011	0.012	2.6E-3	3.8E-3
AMS14	Anzac	61	43%	0	0	0	0	0	2.6E-3	4.6E-3	6.6E-3	0.012	1.5E-3	2.3E-3
AMS21	Conklin	60	40%	0	0	0	0	0	2.3E-3	4.7E-3	7.2E-3	9.5E-3	1.4E-3	2.3E-3
AMS22	Janvier	60	28%	0	0	0	0	0	1.3E-3	5.3E-3	7.3E-3	0.011	1.2E-3	2.5E-3





WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

PRECIPITATION DATA SUMMARY 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

Precipitation: Wisconsin State Laboratory of Hygiene
Madison, WI



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

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

2022

Month	Start Date	End Date	Total Precip (mm)	Volume Collected (mL)	Sulphate (mg/L)	Nitrate (mg/L)	Chloride (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Ammonium (mg/L)
January	Jan-04	Feb-02	10.3	1208.2	0.31	0.75	0.06	0.02	0.04	0.56	NaN	0.04
February	Feb-02	Mar-01	19.9	1245.4	0.40	0.92	0.10	0.04	0.08	1.48	NaN	0.02
March	Mar-01	Mar-29	15.3	954.0	0.58	1.08	0.10	0.03	0.08	1.23	NaN	0.09
April	Mar-29	May-03	14.5	789.6	1.18	1.28	0.10	0.06	0.18	2.27	1.02	0.23
May	May-03	Jun-01	35.8	2497.8	1.76	0.77	0.07	0.04	0.15	1.35	0.14	0.53
June	Jun-01	Jun-29	30.6	2187.4	0.86	0.80	0.08	0.14	0.08	0.99	0.14	0.21
July	Jun-29	Aug-02	73.3	5161.7	0.84	0.39	0.05	0.02	0.05	0.41	0.07	0.05
August	Aug-02	Aug-31	57.8	4074.0	0.32	0.22	0.02	0.01	0.01	0.23	0.03	0.03
September	Aug-31	Sep-28	10.5	1281.2	1.19	0.74	0.14	0.05	0.27	0.61	0.09	0.15
October	Sep-28	Nov-02	16.6	1148.0	1.28	0.97	0.06	0.06	0.07	1.57	0.16	0.50
November	Nov-02	Nov-28	17.4	845.6	0.79	0.58	0.11	0.09	0.20	3.84	0.24	0.03
December	Nov-28	Jan-04	15.6	889.3	0.82	0.91	0.16	0.08	0.17	1.93	0.29	0.01
Annual VWA	Jan-04-2022	Jan-04-2023	317.7	22282.2	0.84	0.63	0.07	0.05	0.09	0.97	0.11	0.15

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

2022

Collector Model: N-CON

Start Date	End Date	Total Precip (mm)	Volume Collected (mL)	Collection Efficiency (%)
Jan-04-2022	Jan-12-2022	1.3	168.1	206%
Jan-12-2022	Jan-19-2022	2.0	345.2	268%
Jan-19-2022	Jan-25-2022	2.9	427.0	234%
Jan-25-2022	Feb-02-2022	4.2	267.9	100%
Feb-02-2022	Feb-09-2022	6.1	369.8	95%
Feb-09-2022	Feb-15-2022	6.7	401.2	94%
Feb-15-2022	Feb-23-2022	5.0	334.6	104%
Feb-23-2022	Mar-01-2022	2.1	139.8	102%
Mar-01-2022	Mar-07-2022	0.0	0.1	-
Mar-07-2022	Mar-15-2022	8.2	464.5	88%
Mar-15-2022	Mar-22-2022	4.2	298.6	110%
Mar-22-2022	Mar-29-2022	2.8	190.8	105%
Mar-29-2022	Apr-04-2022	3.8	249.8	103%
Apr-04-2022	Apr-12-2022	9.4	468.5	78%
Apr-12-2022	Apr-19-2022	1.1	54.2	77%
Apr-19-2022	Apr-25-2022	0.0	0.2	-
Apr-25-2022	May-03-2022	0.2	16.9	146%
May-03-2022	May-09-2022	19.7	1378.9	109%
May-09-2022	May-16-2022	4.9	338.0	107%
May-16-2022	May-24-2022	3.1	204.4	104%
May-24-2022	Jun-01-2022	8.2	576.5	110%
Jun-01-2022	Jun-07-2022	0.0	0.0	-
Jun-07-2022	Jun-15-2022	10.2	732.8	112%
Jun-15-2022	Jun-21-2022	6.8	483.2	111%
Jun-21-2022	Jun-29-2022	13.6	971.4	111%
Jun-29-2022	Jul-06-2022	1.2	88.8	118%
Jul-06-2022	Jul-12-2022	23.9	1658.0	108%
Jul-12-2022	Jul-19-2022	17.1	1172.3	107%
Jul-19-2022	Jul-26-2022	17.8	1295.7	114%
Jul-26-2022	Aug-02-2022	13.4	946.9	110%
Aug-02-2022	Aug-09-2022	25.7	1841.6	112%
Aug-09-2022	Aug-17-2022	1.7	125.7	113%
Aug-17-2022	Aug-24-2022	0.0	0.3	-
Aug-24-2022	Aug-31-2022	30.4	2106.4	108%
Aug-31-2022	Sep-06-2022	0.0	5.9	-
Sep-06-2022	Sep-13-2022	0.9	79.6	135%
Sep-13-2022	Sep-21-2022	9.5	688.3	113%
Sep-21-2022	Sep-28-2022	0.0	507.4	-
Sep-28-2022	Oct-05-2022	4.2	305.9	113%
Oct-05-2022	Oct-12-2022	3.3	239.5	114%
Oct-12-2022	Oct-19-2022	1.2	85.9	109%
Oct-19-2022	Oct-25-2022	3.4	237.6	109%
Oct-25-2022	Nov-02-2022	4.5	279.1	97%
Nov-02-2022	Nov-08-2022	1.0	73.5	121%
Nov-08-2022	Nov-15-2022	3.0	170.1	89%
Nov-15-2022	Nov-22-2022	0.6	26.3	68%
Nov-22-2022	Nov-28-2022	12.9	575.7	70%
Nov-28-2022	Dec-06-2022	0.6	55.9	143%
Dec-06-2022	Dec-14-2022	4.1	217.5	84%
Dec-14-2022	Dec-21-2022	6.2	291.9	73%
Dec-21-2022	Jan-04-2023	4.8	324.0	106%

WOOD BUFFALO ENVIRONMENTAL ASSOCIATION
Precipitation Volume Weighted Averages
Wapasu

2022

Month	Start Date	End Date	Total Precip (mm)	Volume Collected (mL)	Sulphate (mg/L)	Nitrate (mg/L)	Chloride (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Ammonium (mg/L)
January	Jan-04	Feb-02	41.6	1590.5	0.18	0.49	0.06	0.01	0.03	0.19	NaN	0.02
February	Feb-02	Mar-01	18.7	810.3	0.44	0.64	0.07	0.01	0.04	0.45	NaN	0.03
March	Mar-01	Mar-29	18.7	917.6	0.74	0.90	0.07	0.02	0.05	1.39	NaN	0.10
April	Mar-29	May-02	32.0	712.3	1.24	1.16	0.06	0.03	0.07	3.03	0.35	0.17
May	May-02	May-31	40.6	2817.9	0.87	0.42	0.05	0.02	0.04	0.30	0.04	0.29
June	May-31	Jun-29	52.0	3598.3	0.86	0.78	0.06	0.17	0.04	0.48	0.07	0.19
July	Jun-29	Aug-02	78.5	5398.5	0.46	0.41	0.03	0.01	0.02	0.35	0.04	0.05
August	Aug-02	Aug-31	63.3	4355.4	0.29	0.20	0.02	0.01	0.00	0.09	0.01	0.07
September	Aug-31	Sep-28	12.3	977.5	0.63	0.58	0.04	0.03	0.03	0.36	0.04	0.19
October	Sep-28	Nov-02	24.1	1551.5	0.57	0.55	0.04	0.02	0.03	0.62	0.07	0.26
November	Nov-02	Nov-28	23.6	954.5	0.35	0.38	0.03	0.02	0.03	2.19	0.26	0.01
December	Nov-28	Jan-04	16.3	852.8	0.43	0.62	0.11	0.02	0.05	0.69	0.11	0.02
Annual VWA	Jan-04-2022	Jan-04-2023	421.8	24537.1	0.56	0.50	0.04	0.04	0.03	0.53	0.05	0.12

WOOD BUFFALO ENVIRONMENTAL ASSOCIATION
Precipitation Sample Collection Efficiencies
Wapasu

2022

Collector Model: N-CON

Start Date	End Date	Total Precip (mm)	Volume Collected (mL)	Collection Efficiency (%)
Jan-04-2022	Jan-12-2022	4.7	252.3	84%
Jan-12-2022	Jan-19-2022	6.5	337.9	81%
Jan-19-2022	Jan-25-2022	5.9	304.0	80%
Jan-25-2022	Feb-02-2022	24.5	696.3	44%
Feb-02-2022	Feb-08-2022	6.5	370.2	89%
Feb-08-2022	Feb-15-2022	6.3	171.9	42%
Feb-15-2022	Feb-23-2022	4.5	169.0	59%
Feb-23-2022	Mar-01-2022	1.4	99.2	110%
Mar-01-2022	Mar-07-2022	3.0	170.9	88%
Mar-07-2022	Mar-15-2022	8.3	276.5	52%
Mar-15-2022	Mar-22-2022	4.0	269.0	104%
Mar-22-2022	Mar-29-2022	3.4	201.2	94%
Mar-29-2022	Apr-04-2022	4.6	208.6	71%
Apr-04-2022	Apr-12-2022	20.7	406.4	31%
Apr-12-2022	Apr-19-2022	2.1	77.2	57%
Apr-19-2022	Apr-25-2022	3.5	0.0	0%
Apr-25-2022	May-02-2022	1.2	20.1	27%
May-02-2022	May-09-2022	23.4	1564.3	104%
May-09-2022	May-16-2022	3.2	204.7	100%
May-16-2022	May-24-2022	3.5	274.7	122%
May-24-2022	May-31-2022	10.6	774.2	114%
May-31-2022	Jun-07-2022	0.0	0.0	-
Jun-07-2022	Jun-15-2022	33.1	2244.3	106%
Jun-15-2022	Jun-21-2022	7.1	529.0	117%
Jun-21-2022	Jun-29-2022	11.9	825.0	109%
Jun-29-2022	Jul-06-2022	0.1	5.6	109%
Jul-06-2022	Jul-12-2022	9.1	657.7	113%
Jul-12-2022	Jul-19-2022	33.5	2266.0	106%
Jul-19-2022	Jul-27-2022	23.9	1626.8	106%
Jul-27-2022	Aug-02-2022	12.0	842.4	109%
Aug-02-2022	Aug-09-2022	23.0	1604.7	109%
Aug-09-2022	Aug-17-2022	1.7	126.2	118%
Aug-17-2022	Aug-24-2022	0.2	14.4	132%
Aug-24-2022	Aug-31-2022	38.4	2610.1	106%
Aug-31-2022	Sep-06-2022	0.5	41.9	136%
Sep-06-2022	Sep-13-2022	2.9	202.1	108%
Sep-13-2022	Sep-21-2022	9.0	654.2	114%
Sep-21-2022	Sep-28-2022	0.0	79.3	-
Sep-28-2022	Oct-05-2022	2.3	174.9	119%
Oct-05-2022	Oct-12-2022	7.8	536.9	107%
Oct-12-2022	Oct-19-2022	4.3	278.6	102%
Oct-19-2022	Oct-25-2022	2.3	173.9	116%
Oct-25-2022	Nov-02-2022	7.4	387.2	81%
Nov-02-2022	Nov-08-2022	3.2	133.6	66%
Nov-08-2022	Nov-15-2022	2.0	105.2	81%
Nov-15-2022	Nov-22-2022	2.1	40.1	30%
Nov-22-2022	Nov-28-2022	16.3	675.6	65%
Nov-28-2022	Dec-06-2022	5.0	153.5	48%
Dec-06-2022	Dec-14-2022	3.5	194.2	87%
Dec-14-2022	Dec-21-2022	4.2	275.6	104%
Dec-21-2022	Jan-04-2023	3.7	229.5	98%

WOOD BUFFALO ENVIRONMENTAL ASSOCIATION
Precipitation Volume Weighted Averages
Stony Mountain

2022

Month	Start Date	End Date	Total Precip (mm)	Volume Collected (mL)	Sulphate (mg/L)	Nitrate (mg/L)	Chloride (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Ammonium (mg/L)
January	Jan-04	Feb-01	29.5	2142.6	0.17	0.66	0.04	0.02	0.02	0.04	NaN	0.02
February	Feb-01	Mar-02	34.1	2074.0	0.13	0.52	0.04	0.02	0.02	0.06	NaN	0.02
March	Mar-02	Mar-29	12.2	789.6	0.28	0.77	0.08	0.02	0.04	0.17	NaN	0.11
April	Mar-29	May-04	52.3	3151.4	0.52	0.40	0.03	0.02	0.06	0.15	0.02	0.33
May	May-04	May-31	40.6	2895.6	0.93	0.81	0.05	0.05	0.21	0.28	0.06	0.55
June	May-31	Jun-27	76.4	5538.8	0.34	0.40	0.04	0.06	0.02	0.16	0.03	0.13
July	Jun-27	Aug-02	43.8	3619.6	0.38	0.28	0.05	0.02	0.03	0.09	0.01	0.07
August	Aug-02	Aug-30	84.1	6652.0	0.45	0.29	0.02	0.02	0.01	0.07	0.01	0.10
September	Aug-30	Oct-04	18.9	1360.0	0.55	0.55	0.06	0.03	0.04	0.19	0.03	0.31
October	Oct-04	Nov-02	8.6	613.7	0.61	0.58	0.62	0.80	0.03	1.26	0.36	0.19
November	Nov-02	Nov-29	14.2	932.2	0.21	0.60	0.04	0.04	0.02	0.23	0.04	0.02
December	Nov-29	Jan-04	40.1	2572.3	0.17	0.40	0.04	0.01	0.01	0.04	0.01	0.02
Annual VWA	Jan-04-2022	Jan-04-2023	454.8	32341.8	0.41	0.45	0.05	0.04	0.04	0.14	0.03	0.16

WOOD BUFFALO ENVIRONMENTAL ASSOCIATION
Precipitation Sample Collection Efficiencies
Stony Mountain

2022

Collector Model: N-CON

Start Date	End Date	Total Precip (mm)	Volume Collected (mL)	Collection Efficiency (%)
Jan-04-2022	Jan-12-2022	4.9	354.7	114%
Jan-12-2022	Jan-18-2022	8.8	631.2	113%
Jan-18-2022	Jan-25-2022	7.4	589.3	124%
Jan-25-2022	Feb-01-2022	8.5	567.4	104%
Feb-01-2022	Feb-07-2022	4.5	321.0	111%
Feb-07-2022	Feb-15-2022	16.3	1004.4	96%
Feb-15-2022	Feb-23-2022	5.2	165.4	49%
Feb-23-2022	Mar-02-2022	8.1	583.2	112%
Mar-02-2022	Mar-08-2022	3.6	202.3	88%
Mar-08-2022	Mar-14-2022	3.5	234.8	106%
Mar-14-2022	Mar-22-2022	3.4	233.4	108%
Mar-22-2022	Mar-29-2022	1.8	119.1	106%
Mar-29-2022	Apr-04-2022	0.5	36.8	128%
Apr-04-2022	Apr-12-2022	25.5	1555.4	95%
Apr-12-2022	Apr-20-2022	0.8	54.7	109%
Apr-20-2022	Apr-26-2022	0.0	0.0	-
Apr-26-2022	May-04-2022	25.6	1504.5	92%
May-04-2022	May-10-2022	9.6	705.0	114%
May-10-2022	May-16-2022	0.0	2.0	-
May-16-2022	May-24-2022	12.2	850.8	109%
May-24-2022	May-31-2022	18.9	1337.8	111%
May-31-2022	Jun-06-2022	0.0	0.0	-
Jun-06-2022	Jun-14-2022	17.0	1230.4	113%
Jun-14-2022	Jun-21-2022	32.4	2229.6	107%
Jun-21-2022	Jun-27-2022	27.1	2078.8	120%
Jun-27-2022	Jul-05-2022	11.7	866.9	115%
Jul-05-2022	Jul-11-2022	20.0	1425.1	111%
Jul-11-2022	Jul-19-2022	0.0	2.7	-
Jul-19-2022	Jul-26-2022	5.5	442.4	126%
Jul-26-2022	Aug-02-2022	6.6	882.5	208%
Aug-02-2022	Aug-08-2022	57.3	4771.6	130%
Aug-08-2022	Aug-16-2022	0.8	69.5	145%
Aug-16-2022	Aug-23-2022	1.9	148.8	124%
Aug-23-2022	Aug-30-2022	24.2	1662.1	107%
Aug-30-2022	Sep-06-2022	0.5	31.6	105%
Sep-06-2022	Sep-13-2022	10.5	736.2	110%
Sep-13-2022	Sep-19-2022	0.2	23.4	152%
Sep-19-2022	Sep-27-2022	5.7	412.8	114%
Sep-27-2022	Oct-04-2022	2.1	156.0	116%
Oct-04-2022	Oct-11-2022	1.1	82.0	115%
Oct-11-2022	Oct-18-2022	0.3	31.8	177%
Oct-18-2022	Oct-25-2022	2.8	198.8	111%
Oct-25-2022	Nov-02-2022	4.4	301.1	107%
Nov-02-2022	Nov-09-2022	0.8	168.2	332%
Nov-09-2022	Nov-16-2022	4.3	237.4	85%
Nov-16-2022	Nov-22-2022	0.1	3.9	101%
Nov-22-2022	Nov-29-2022	9.0	522.7	91%
Nov-29-2022	Dec-05-2022	4.6	297.0	100%
Dec-05-2022	Dec-12-2022	4.2	299.4	113%
Dec-12-2022	Dec-20-2022	12.8	792.4	97%
Dec-20-2022	Jan-04-2023	18.6	1183.5	100%



WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

DUSTFALL DATA SUMMARY 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

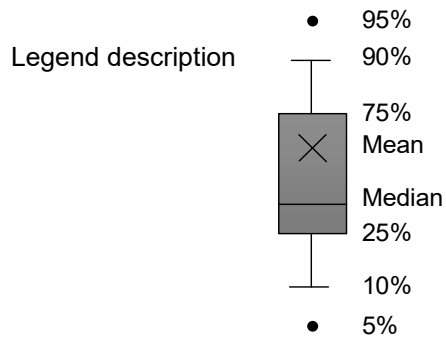
Dustfall: Airzone One Incorporated
Mississauga, Ontario



CONTENTS DESCRIPTION	Annual Summary of Dustfall – Settleable Particulate Matter
SAMPLE PERIOD	1 Month
SAMPLING INTERVAL	Monthly
UNITS	mg/100 cm ² (milligram per 100 centimeters squared)
OBSERVATION TYPE	Settleable particulate matter
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Open jar on pedestal with wind shield
MEDIUM	High-density polyethylene jar
ANALYTICAL METHOD	Mass by microbalance
SAMPLE PREPARATION	Filter equilibration
ANALYTICAL LABORATORY	AIRZONE One Inc.
USER NOTE 1	Data are not lab blank nor field blank corrected.
USER NOTE 2	Summary statistics include data with flags beginning with V.
SAMPLING INSTRUMENT TYPE	Tisch TE-1000 High-Volume Sampler

FLAGS USED

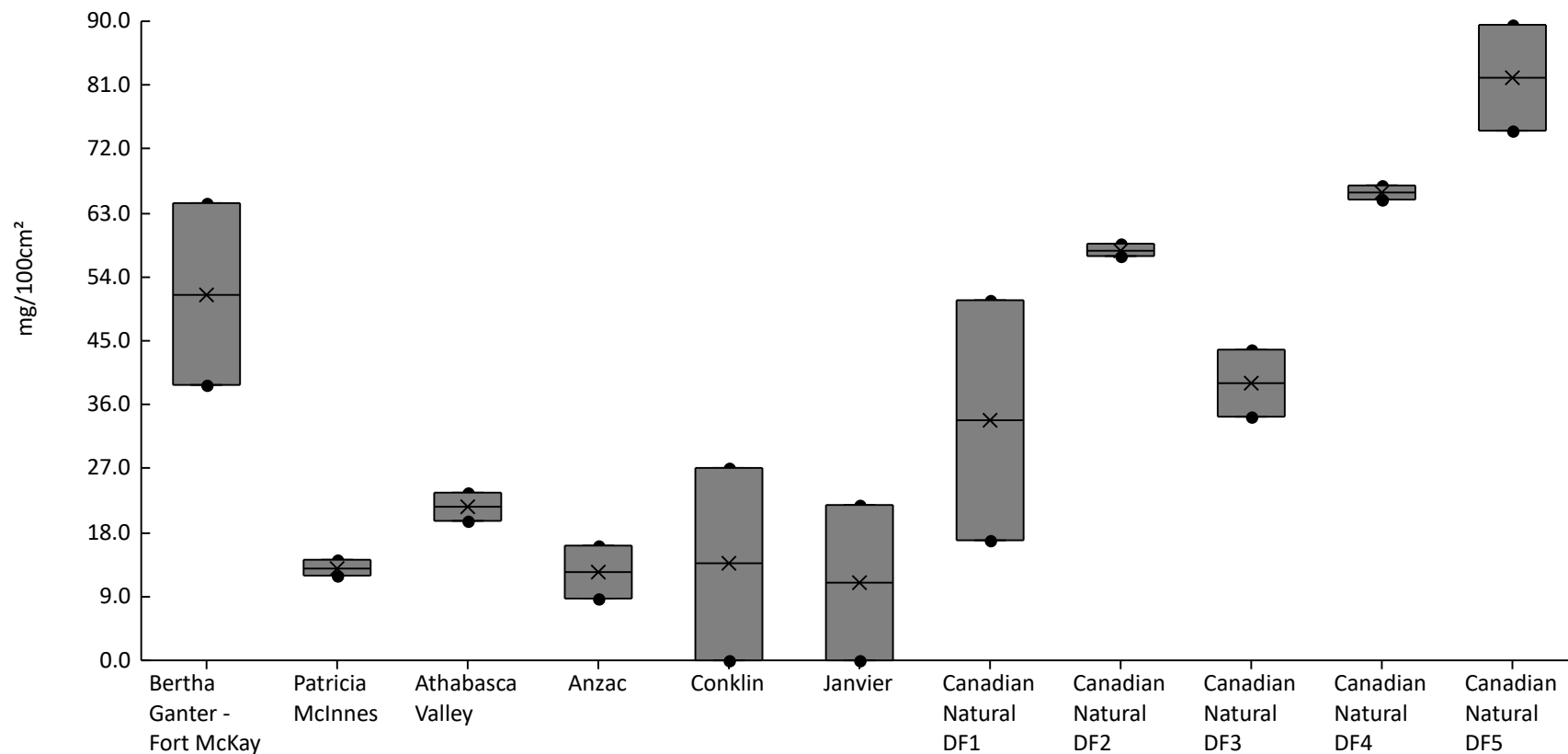
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing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





Dustfall - Settleable Particulate Matter (mg/100cm²) - 2022

Station #	Station	#	% ≥ MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS01	Bertha Ganter - Fort McKay	2	100%	39	39	39	39	52	64	64	64	64	52	18
AMS06	Patricia McInnes	2	100%	12	12	12	12	13	14	14	14	14	13	1.5
AMS07	Athabasca Valley	2	100%	20	20	20	20	22	24	24	24	24	22	2.9
AMS14	Anzac	2	100%	8.8	8.8	8.8	8.8	12	16	16	16	16	12	5.2
AMS21	Conklin	2	50%	0	0	0	0	14	27	27	27	27	14	19
AMS22	Janvier	2	50%	0	0	0	0	11	22	22	22	22	11	15
CN 1	Canadian Natural DF1	2	100%	17	17	17	17	34	51	51	51	51	34	24
CN 2	Canadian Natural DF2	2	100%	57	57	57	57	58	59	59	59	59	58	1.3
CN 3	Canadian Natural DF3	2	100%	34	34	34	34	39	44	44	44	44	39	6.6
CN 4	Canadian Natural DF4	2	100%	65	65	65	65	66	67	67	67	67	66	1.4
CN 5	Canadian Natural DF5	2	100%	75	75	75	75	82	90	90	90	90	82	11





WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

TOTAL SUSPENDED PARTICULATE DATA SUMMARY 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

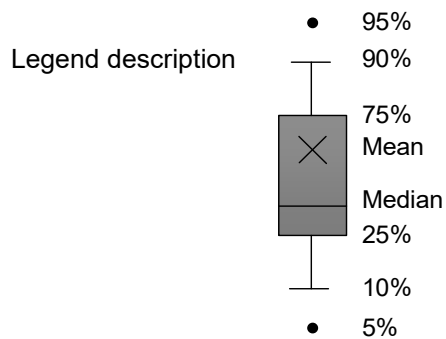
Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

Total Suspended Particulate: WBEA Analytical Services Group
Fort McMurray, Alberta



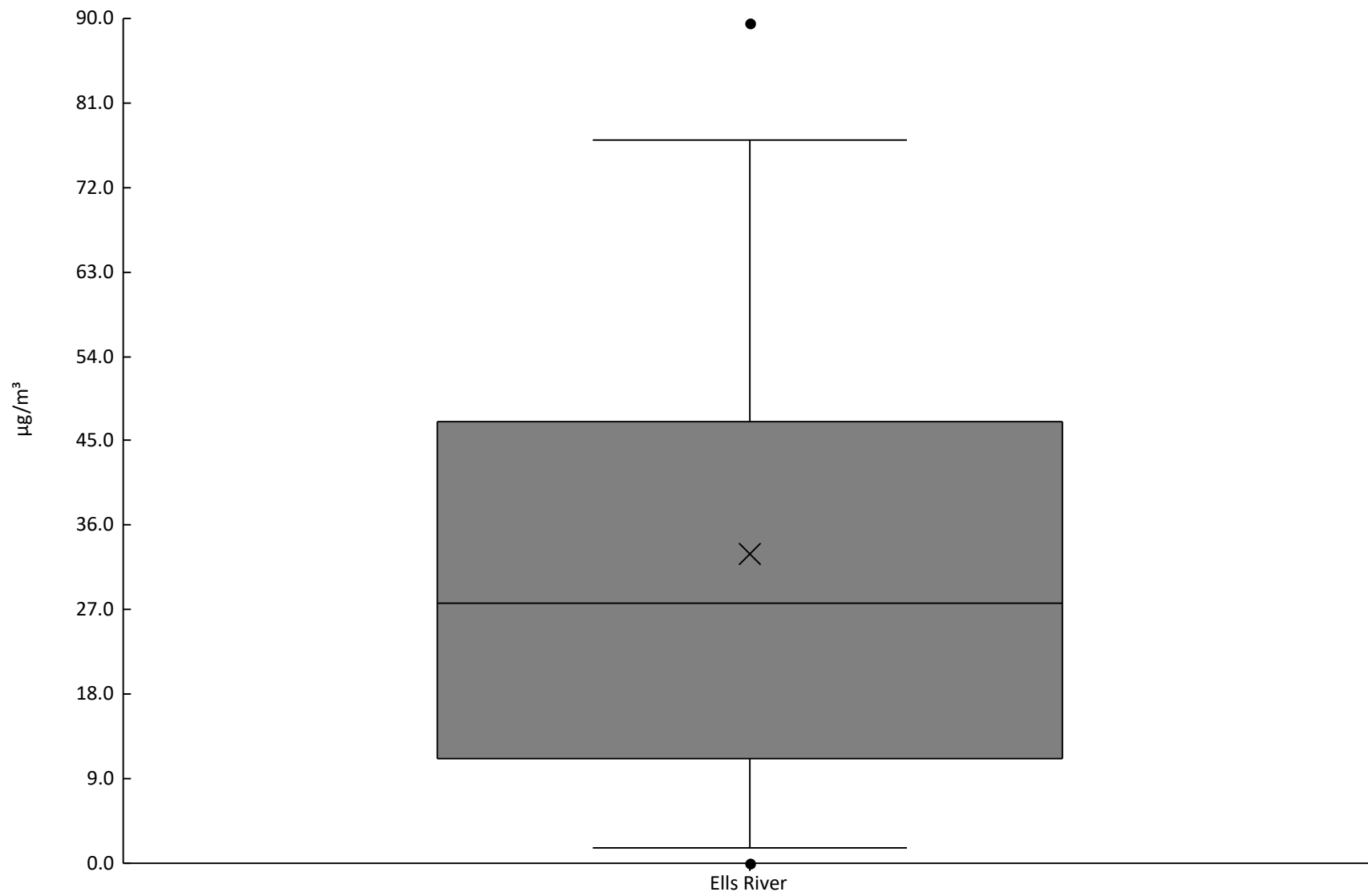
CONTENTS DESCRIPTION	Annual Summary of TSP – Total Suspended Particulates
SAMPLE PERIOD	24 hours
SAMPLING INTERVAL	Once every 6 days
UNITS	µg/m ³ (micrograms per cubic meter)
OBSERVATION TYPE	Airborne particulate matter
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Filtration with high volume air sampler for total suspended particulates
MEDIUM	8" by 10" glass fiber filter
ANALYTICAL METHOD	Mass by microbalance
SAMPLE PREPARATION	Filter equilibration
ANALYTICAL LABORATORY	WBEA Analytical Services Group
USER NOTE 1	Data are not blank nor field corrected
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Summary statistics include data with flags beginning with V.
VOLUME STANDARDIZATION	Expected actual volume of sampler
SAMPLING INSTRUMENT TYPE	TSP High Volume Air Sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator





Total Suspended Particulates Filter - Particulate Matter ($\mu\text{g}/\text{m}^3$) - 2022

Station #	Station	#	% \geq MDL	Min	5%	10%	25%	Med	75%	90%	95%	Max	Ave	Std Dev
AMS30	Ells River	21	100%	-1.6E+0	0.027	1.7	11	28	47	77	90	93	33	28





End of Report



**WOOD BUFFALO
ENVIRONMENTAL ASSOCIATION**

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Wood Buffalo Environmental Association

ANNUAL REPORT – VOLUME 2 APPENDIX

2022 INTEGRATED DATA RESULTS

March 2023

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





WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT - APPENDIX

DATA RESULTS 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS

Volatile Organic Compounds:	InnoTech Alberta, Inc. Vegreville, Alberta
Particulate Matter:	Desert Research Institute Reno, NV
Elemental Carbon and Organic Carbon:	Desert Research Institute Reno, NV
Polycyclic Aromatic Hydrocarbons:	Airzone One Incorporated Mississauga, Ontario
Precipitation:	Wisconsin State Laboratory of Hygiene Madison, WI
Dustfall:	Airzone One Incorporated Mississauga, Ontario
Total Suspended Particulate:	WBEA Analytical Services Group Fort McMurray, Alberta



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Integrated Monitoring Results

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Data Results – PM2.5 Metals	APX-1187
Data Results – PM10 Ions	APX-1661
Data Results – PM10 Metals	APX-2313
Particulate Matter – Elemental Carbon/Organic Carbon	APX-2964
Metadata.....	APX-2965
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WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

**INTEGRATED MONITORING PROGRAM
ANNUAL REPORT**

**VOLATILE ORGANIC COMPOUNDS
DATA RESULTS
2022**

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

VOCs: InnoTech Alberta, Inc.
Vegreville, Alberta



CONTENTS DESCRIPTION	VOC – Measurements of Speciated Volatile Organic Compounds
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	ppbv (parts per billion volume)
OBSERVATION TYPE	Gas
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Evacuated canister
ANALYTICAL METHODS	GC/MS - Gas chromatography/mass spectrometer
ANALYTICAL LABORATORY	InnoTech Alberta Inc
USER NOTE 1	Data are not blank corrected
USER NOTE 2	MDLs for many parameters were updated in May 2021. Data qualifies for V4 if greater than average + 5x Standard Dev with 5 passes. Computed on a quarterly dataset.
USER NOTE 3	Summary statistics include flags beginning with V. Instances when the Lab did not report a value that was <MDL, 0 was used.
USER NOTE 4	Values flagged V1 are displayed as -8888
SAMPLING INSTRUMENT TYPE	Tisch TE123
FLOW RATE	10.0 cc/min (cubic centimeters per minute)
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100014
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		756.4	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.45	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.7	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.62	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	16.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.92	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220100001
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-31.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		752.6	mmHg		n-Heptane	0.04	0.27	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.39	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.13	ppbv	V0					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.2	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.71	ppbv	V0					
Isopentane	0.04	0.43	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	3.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.80	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 220100042
Start Date:	2022-01-05 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2022-01-06 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		750.9	mmHg		n-Heptane	0.04	0.28	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.41	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.13	ppbv	V0					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.9	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.82	ppbv	V0					
Isopentane	0.04	0.59	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	3.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.75	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100049
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.34	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.47	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	5.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.58	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100023
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-31.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		747.6	mmHg		n-Heptane	0.04	0.40	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.25	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.44	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.19	ppbv	V0					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.13	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	2.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.21	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220100026
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

Power failure resulted in short sampling duration.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-31.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		750.6	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.35	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	2.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100067
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.8	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.60	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.52	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.6	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.62	ppbv	V0					
Isopentane	0.04	0.94	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	20.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	1.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220100020
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.6	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.51	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.50	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.10	ppbv	V0					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.67	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	12.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.74	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100008
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.0	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.66	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.41	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.79	ppbv	V0					
Isopentane	0.04	0.99	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	22.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	1.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220100096
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.6	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	1.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.36	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.41	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.39	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.26	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.65	ppbv	V0					
Isopentane	0.04	1.64	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	4.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.67	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220100094
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.71	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.17	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.65	ppbv	V0					
Isopentane	0.04	0.72	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	5.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100106
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.4	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.82	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.2	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.49	ppbv	V0					
Isopentane	0.04	0.98	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	7.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	2.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100074
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.0	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.46	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.1	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.85	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	5.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.69	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 220100077
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.3	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	1.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.24	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.25	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.22	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.16	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.68	ppbv	V0					
Isopentane	0.04	1.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	5.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.73	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100113
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.1	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.3	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.20	ppbv	V0					
Isopentane	0.04	0.82	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	5.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220100066
Start Date:	2022-01-04 15:40	End Date:	2022-01-04 15:45	Duration: 0.1 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100125
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.6	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.58	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.0	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.00	ppbv	V0					
Isopentane	0.04	0.70	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	8.3	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	1.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100131
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.2	mmHg		n-Heptane	0.04	0.31	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.42	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.71	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.53	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.14	ppbv	V0					
2-Methylpentane	0.02	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.18	ppbv	V0					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.0	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.98	ppbv	V0					
Isopentane	0.04	1.31	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.34	ppbv	V0					
Methanol	0.5	36.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.20	ppbv	V0					
n-Butane	0.02	1.70	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220100093	
Start Date: 2022-01-06 12:40	End Date: 2022-01-06 12:41	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100112
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.0	mmHg		n-Heptane	0.04	0.28	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.50	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.32	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.2	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.71	ppbv	V0					
Isopentane	0.04	0.64	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	6.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	1.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220100132
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.8	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.27	ppbv	V0	n-Hexane	0.03	0.34	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.91	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.10	ppbv	V0	n-Propylbenzene	0.06	0.10	ppbv	V0
1-Pentene	0.03	0.16	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.26	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.29	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.14	ppbv	V0	Styrene	0.04	0.24	ppbv	V0
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	1.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.22	ppbv	V0	trans-2-Butene	0.03	0.05	ppbv	V0
2,4-Dimethylpentane	0.03	0.13	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	0.25	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.3	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.40	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	0.28	ppbv	V0					
Formaldehyde	1	4	ppbv	V0					
Isobutane	0.03	1.37	ppbv	V0					
Isopentane	0.04	2.42	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.65	ppbv	V0					
Methanol	0.5	12.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.21	ppbv	V0					
n-Butane	0.02	2.91	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100138
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.9	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	1.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 220100144
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.1	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.65	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	4.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.67	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220100185
Start Date:	2022-01-14 12:10	End Date:	2022-01-14 12:11	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.04	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100194
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.1	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.54	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	4.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100200
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.2	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.08	ppbv	V0					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	11.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220100174
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.8	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.11	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.67	ppbv	V0					
Isopentane	0.04	0.42	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	2.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.62	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100152
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		704.8	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	4.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100158
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.6	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	3.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.70	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100186
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.3	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.46	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	8.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	1.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220100209
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.4	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	2.47	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.44	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.29	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.59	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.48	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.22	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.74	ppbv	V0					
Isopentane	0.04	2.09	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	3.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.86	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100259
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-5.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.7	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.17	ppbv	V0	n-Pentane	0.04	0.48	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.75	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220100206
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.2	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.51	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.36	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.80	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.05	ppbv	V0					
Isopentane	0.04	0.75	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.35	ppbv	V0					
Methanol	0.5	77.5	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.86	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100240
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.5	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.62	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.18	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.67	ppbv	V0					
Isopentane	0.04	0.69	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	3.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.90	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100242
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.1	mmHg		n-Heptane	0.04	0.32	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.19	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.48	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.06	ppbv	V0					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220100241
Start Date:	2022-01-20 13:07	End Date:	2022-01-20 13:08	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.04	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.13	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220100217
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.8	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.90	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.22	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.06	ppbv	V0					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.15	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.82	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100212
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.5	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.60	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.06	ppbv	V0					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.72	ppbv	V0					
Isopentane	0.04	0.68	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.62	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220100215
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.7	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	1.49	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.07	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.26	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.10	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.21	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.41	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.37	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.06	ppbv	V0					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.29	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	1.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.57	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100229
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.3	mmHg		n-Heptane	0.04	0.24	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.07	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.06	ppbv	V0					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.61	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.87	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100265
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.5	mmHg		n-Heptane	0.04	0.23	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.70	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.84	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	1.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100343
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.4	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.59	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	3.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.79	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220100339
Start Date:	2022-01-28 13:15	End Date:	2022-01-28 13:16	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.04	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100313
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-5.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.2	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.49	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.62	ppbv	V0					
Isopentane	0.04	0.65	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	9.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100318
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.3	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.51	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	0.68	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	17.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.86	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220100278
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.5	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.32	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	3.04	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.60	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.42	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.73	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.84	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.24	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.42	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	3	ppbv	V0					
Isobutane	0.03	0.83	ppbv	V0					
Isopentane	0.04	3.08	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	3.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.67	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220100307
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.8	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	1.93	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.43	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.27	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	0.03	ppbv	V0
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.38	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.38	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.23	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	3	ppbv	V0					
Isobutane	0.03	0.97	ppbv	V0					
Isopentane	0.04	2.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	4.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.77	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100269
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.2	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	0.03	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	5	ppbv	V0					
Isobutane	0.03	0.84	ppbv	V0					
Isopentane	0.04	0.81	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	4.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	1.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100290
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.3	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	1.94	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.25	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.18	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	3	ppbv	V0					
Isobutane	0.03	0.90	ppbv	V0					
Isopentane	0.04	1.49	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	2.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.70	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220100277
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.4	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	1.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.28	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.33	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.1	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	3	ppbv	V0					
Isobutane	0.03	1.86	ppbv	V0					
Isopentane	0.04	1.48	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	21.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.79	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220100293
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.5	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	2.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.43	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.27	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.41	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.39	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.27	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	3	ppbv	V0					
Isobutane	0.03	0.88	ppbv	V0					
Isopentane	0.04	2.26	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	3.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.78	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100279
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.1	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.48	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	3	ppbv	V0					
Isobutane	0.03	0.65	ppbv	V0					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	3.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.88	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100366
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.62	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.69	ppbv	V0					
Isopentane	0.04	0.79	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.99	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100382
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.44	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.90	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200415
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	0.30	ppbv	V0
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.66	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.83	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Index: 1	
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	WBEA ID:	220200414
Location:	Conklin	Loc ID:	CONK	Duration:	0.0 hr
Start Date:	2022-02-01 14:00	End Date:	2022-02-01 14:01		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200416
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.25	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.78	ppbv	V0					
Isopentane	0.04	0.86	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	1.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100373
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.72	ppbv	V0					
Isopentane	0.04	0.50	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.98	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220200428
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.2	mmHg		n-Heptane	0.04	0.34	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	1.00	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.17	ppbv	V0
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.27	ppbv	V0					
Isopentane	0.04	1.16	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	2.0	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.20	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	1.54	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200445
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

Power failure caused short sampling duration.(86220/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	1.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.16	ppbv	V0
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.20	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.22	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.35	ppbv	V0					
Isopentane	0.04	1.54	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	2.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	2.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220200448
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.1	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.16	ppbv	V0
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.07	ppbv	V0					
Isopentane	0.04	1.26	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	1.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	1.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID: 220200427
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.36	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.81	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.16	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.65	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.85	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	19.7	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.97	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200451
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.2	mmHg		n-Heptane	0.04	0.25	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.09	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.20	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	1.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.16	ppbv	V0
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.16	ppbv	V0					
Isopentane	0.04	1.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	2.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	1.60	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 220200509	Duration: 24.0 hr
Start Date: 2022-02-10 00:00	End Date: 2022-02-11 00:00			

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.8	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	2.71	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.36	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.03	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.42	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.31	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.16	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.31	ppbv	V0					
Isopentane	0.04	2.74	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	1.99	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220200512
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.2	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.84	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.11	ppbv	V0					
Isopentane	0.04	0.94	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	1.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	1.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200515
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	3.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.44	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.25	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.02	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.61	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.47	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.27	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.95	ppbv	V0					
Isopentane	0.04	2.50	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	1.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	1.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Janvier		Samp Use: Field Procedure Blank	Loc ID: JANV	WBEA ID: 220200485
Start Date: 2022-02-07 15:48		End Date: 2022-02-07 15:49		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200458
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.4	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.51	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.10	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.90	ppbv	V0					
Isopentane	0.04	0.79	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	3.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	1.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200464
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.5	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.79	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.04	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.29	ppbv	V0					
Isopentane	0.04	1.55	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	14.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	2.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220200492
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.0	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.46	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	7.24	ppbv	V4
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	1.01	ppbv	V4	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.57	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.05	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	1.74	ppbv	V4					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	1.33	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.25	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.73	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.10	ppbv	V0					
Isopentane	0.04	5.00	ppbv	V4					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	2.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	1.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200476
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		704.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.10	ppbv	V0					
Isopentane	0.04	0.50	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	3.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.83	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220200491
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.66	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.17	ppbv	V0	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.05	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.34	ppbv	V0					
Isopentane	0.04	0.90	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	6.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	1.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200486
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.4	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.54	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	0.02	ppbv	V0					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.11	ppbv	V0					
Isopentane	0.04	0.89	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	4.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	1.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200470
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.0	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.57	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.07	ppbv	V0					
Isopentane	0.04	0.76	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	3.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	1.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220200578
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

Short sampling duration due to power outage(75180/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.7	mmHg		n-Heptane	0.04	0.35	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.15	ppbv	V0
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	0.19	ppbv	V0	n-Pentane	0.04	0.64	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.15	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	0.36	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.14	ppbv	V0					
2-Methylpentane	0.02	0.24	ppbv	V0					
3-Methyl-1-butene	0.02	0.09	ppbv	V0					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.18	ppbv	V0					
3-Methylpentane	0.02	0.28	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.7	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	0.15	ppbv	V0					
Cyclopentene	0.02	0.10	ppbv	V0					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	0.22	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.81	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.33	ppbv	V0					
Methanol	0.5	6.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.20	ppbv	V0					
Methylcyclopentane	0.05	0.19	ppbv	V0					
n-Butane	0.02	0.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200540
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		746.2	mmHg		n-Heptane	0.04	0.45	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.34	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.15	ppbv	V0
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.28	ppbv	V0
1-Butene/Isobutylene	0.06	0.26	ppbv	V0	n-Pentane	0.04	0.77	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.15	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.21	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.18	ppbv	V0	Toluene	0.03	0.46	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.17	ppbv	V0					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	0.09	ppbv	V0					
3-Methylheptane	0.03	0.15	ppbv	V0					
3-Methylhexane	0.02	0.23	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.9	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	0.10	ppbv	V0					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.23	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.84	ppbv	V0					
Isopentane	0.04	0.91	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.35	ppbv	V0					
Methanol	0.5	6.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.22	ppbv	V0					
Methylcyclopentane	0.05	0.21	ppbv	V0					
n-Butane	0.02	1.59	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220200539	
Start Date: 2022-02-11 15:15	End Date: 2022-02-11 15:16	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.15	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.18	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200547
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.9	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.09	ppbv	V0					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.52	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	4.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.50	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220200518
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.9	mmHg		n-Heptane	0.04	0.34	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.14	ppbv	V0
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	0.25	ppbv	V0
1-Butene/Isobutylene	0.06	0.18	ppbv	V0	n-Pentane	0.04	0.61	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.15	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.39	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	0.09	ppbv	V0					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.22	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.70	ppbv	V0					
Isopentane	0.04	0.61	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.32	ppbv	V0					
Methanol	0.5	3.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.22	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.73	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220200577
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.9	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.14	ppbv	V0
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	1.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.14	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.29	ppbv	V0	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.27	ppbv	V0	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.30	ppbv	V0					
3-Methyl-1-butene	0.02	0.10	ppbv	V0					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.30	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.4	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.25	ppbv	V0					
Cyclopentane	0.02	0.25	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.89	ppbv	V0					
Isopentane	0.04	1.14	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	8.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.58	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200521
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.8	mmHg		n-Heptane	0.04	0.35	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.14	ppbv	V0
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	0.19	ppbv	V0	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.15	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.37	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	0.09	ppbv	V0					
3-Methylheptane	0.03	0.13	ppbv	V0					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.7	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.22	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	4.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	0.69	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200553
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.2	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	4.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.53	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200559
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.9	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.63	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.3	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.84	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	23.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	1.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200562
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.0	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.17	ppbv	V0	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.2	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.73	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	20.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	1.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200568
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.21	ppbv	V0	n-Pentane	0.04	0.48	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.32	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.2	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.24	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.97	ppbv	V0					
Isopentane	0.04	0.96	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	16.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	1.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220200585
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		752.4	mmHg		n-Heptane	0.04	0.34	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.37	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.08	ppbv	V0	n-Octane	0.02	0.22	ppbv	V0
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	1.00	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.28	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.13	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.24	ppbv	V0	Toluene	0.03	0.37	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	0.31	ppbv	V0					
3-Methyl-1-butene	0.02	0.09	ppbv	V0					
3-Methylheptane	0.03	0.13	ppbv	V0					
3-Methylhexane	0.02	0.20	ppbv	V0					
3-Methylpentane	0.02	0.32	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.9	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.28	ppbv	V0					
Cyclopentane	0.02	0.20	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.71	ppbv	V0					
Isopentane	0.04	1.00	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.32	ppbv	V0					
Methanol	0.5	8.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.19	ppbv	V0					
n-Butane	0.02	0.92	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 220200613
Start Date:	2022-02-22 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2022-02-23 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		754.0	mmHg		n-Heptane	0.04	0.35	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.24	ppbv	V0
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.20	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.13	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	0.42	ppbv	V0
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.19	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.2	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.29	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.10	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.30	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	0.22	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.86	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.34	ppbv	V0					
Methanol	0.5	8.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.22	ppbv	V0					
Methylcyclopentane	0.05	0.20	ppbv	V0					
n-Butane	0.02	1.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200591
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.7	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.44	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	4.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.54	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220200616
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		750.4	mmHg		n-Heptane	0.04	0.37	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.28	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.37	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.13	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.34	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.1	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.30	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.85	ppbv	V0					
Isopentane	0.04	0.62	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.23	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.76	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Fort Hills	Loc ID: FTFL	WBEA ID: 220200584	Duration: 24.0 hr
Start Date: 2022-02-22 00:00	End Date: 2022-02-23 00:00		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		749.8	mmHg		n-Heptane	0.04	0.30	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.20	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.13	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.34	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.07	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	0.11	ppbv	V0					
3-Methylheptane	0.03	0.13	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.07	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.30	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.80	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.13	ppbv	V0					
Isopentane	0.04	0.84	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.33	ppbv	V0					
Methanol	0.5	12.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.77	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200619
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		751.4	mmHg		n-Heptane	0.04	0.44	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.48	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	0.30	ppbv	V0
1-Butene/Isobutylene	0.06	0.18	ppbv	V0	n-Pentane	0.04	0.63	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.18	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.14	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.70	ppbv	V0
2,3-Dimethylpentane	0.02	0.19	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.10	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.17	ppbv	V0					
2-Methylpentane	0.02	0.20	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.15	ppbv	V0					
3-Methylhexane	0.02	0.23	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.5	ppbv	V0					
Acetone	0.40	0.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.28	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.33	ppbv	V0					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	0.25	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.00	ppbv	V0					
Isopentane	0.04	1.29	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.42	ppbv	V0					
Methanol	0.5	10.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.27	ppbv	V0					
Methylcyclopentane	0.05	0.27	ppbv	V0					
n-Butane	0.02	1.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200604
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.4	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	4.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.51	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220200634
Start Date:	2022-02-18 14:30	End Date:	2022-02-18 14:31	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.8	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.04	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.17	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200632
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.7	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.1	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.74	ppbv	V0					
Isopentane	0.04	0.59	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	20.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	1.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200626
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		757.0	mmHg		n-Heptane	0.04	0.29	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	1.48	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.31	ppbv	V0	n-Pentane	0.04	1.76	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	1.19	ppbv	V4	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.31	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	2.29	ppbv	V4
2,3-Dimethylpentane	0.02	0.35	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.18	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.19	ppbv	V0	trans-2-Pentene	0.02	0.15	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.26	ppbv	V0					
2-Methylpentane	0.02	0.45	ppbv	V0					
3-Methyl-1-butene	0.02	0.10	ppbv	V0					
3-Methylheptane	0.03	0.12	ppbv	V0					
3-Methylhexane	0.02	0.29	ppbv	V0					
3-Methylpentane	0.02	0.52	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	29.0	ppbv	V4					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.39	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.14	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.27	ppbv	V0					
Cyclopentane	0.02	0.25	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	12.50	ppbv	V0					
Ethylbenzene	0.03	0.34	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.93	ppbv	V0					
Isopentane	0.04	6.27	ppbv	V4					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	18.20	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	1.13	ppbv	V0					
Methanol	0.5	65.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.52	ppbv	V0					
n-Butane	0.02	8.02	ppbv	V4					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200635
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-28.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		755.6	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.12	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.09	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.4	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.08	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.50	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.99	ppbv	V0					
Isopentane	0.04	0.70	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	21.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	1.42	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220200684
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.9	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.24	ppbv	V0	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.23	ppbv	V0	n-Nonane	0.04	0.15	ppbv	V0
1,3-Butadiene	0.03	0.12	ppbv	V0	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.24	ppbv	V0	n-Pentane	0.04	0.85	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.26	ppbv	V0	n-Propylbenzene	0.06	0.13	ppbv	V0
1-Pentene	0.03	0.15	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.24	ppbv	V0	o-Xylene	0.03	0.25	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.17	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.25	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.14	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.14	ppbv	V0					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.24	ppbv	V0					
3-Methyl-1-butene	0.02	0.14	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.25	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.9	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.29	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.13	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.13	ppbv	V0					
Cyclohexane	0.04	0.29	ppbv	V0					
Cyclopentane	0.02	0.19	ppbv	V0					
Cyclopentene	0.02	0.15	ppbv	V0					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.26	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	0.74	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.12	ppbv	V0					
m,p-Xylene	0.04	0.37	ppbv	V0					
Methanol	0.5	3.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.41	ppbv	V0					
n-Decane	0.06	0.13	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220200666
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.2	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.24	ppbv	V0	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.23	ppbv	V0	n-Nonane	0.04	0.15	ppbv	V0
1,3-Butadiene	0.03	0.12	ppbv	V0	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.23	ppbv	V0	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.26	ppbv	V0	n-Propylbenzene	0.06	0.13	ppbv	V0
1-Pentene	0.03	0.15	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.25	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.16	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.13	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.13	ppbv	V0					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	0.14	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	0.27	ppbv	V0					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.28	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.13	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.29	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	0.15	ppbv	V0					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.26	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.12	ppbv	V0					
m,p-Xylene	0.04	0.37	ppbv	V0					
Methanol	0.5	1.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.36	ppbv	V0					
n-Decane	0.06	0.12	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220200683
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.8	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.26	ppbv	V0	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.23	ppbv	V0	n-Nonane	0.04	0.15	ppbv	V0
1,3-Butadiene	0.03	0.12	ppbv	V0	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	0.25	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.26	ppbv	V0	n-Propylbenzene	0.06	0.13	ppbv	V0
1-Pentene	0.03	0.15	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	0.27	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.17	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.18	ppbv	V0	Toluene	0.03	0.30	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.13	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.14	ppbv	V0					
2-Methylhexane	0.03	0.14	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	0.14	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.29	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.13	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.29	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	0.15	ppbv	V0					
Ethanol	0.50	3.90	ppbv	V0					
Ethylbenzene	0.03	0.27	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.12	ppbv	V0					
m,p-Xylene	0.04	0.42	ppbv	V0					
Methanol	0.5	6.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	0.13	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200663
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.1	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.24	ppbv	V0	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.23	ppbv	V0	n-Nonane	0.04	0.15	ppbv	V0
1,3-Butadiene	0.03	0.12	ppbv	V0	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.25	ppbv	V0	n-Pentane	0.04	0.91	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.26	ppbv	V0	n-Propylbenzene	0.06	0.13	ppbv	V0
1-Pentene	0.03	0.15	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.21	ppbv	V0	o-Xylene	0.03	0.25	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.17	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.21	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.14	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.14	ppbv	V0					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.20	ppbv	V0					
3-Methyl-1-butene	0.02	0.14	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.33	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.13	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.13	ppbv	V0					
Cyclohexane	0.04	0.29	ppbv	V0					
Cyclopentane	0.02	0.16	ppbv	V0					
Cyclopentene	0.02	0.15	ppbv	V0					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	0.26	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.66	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.12	ppbv	V0					
m,p-Xylene	0.04	0.37	ppbv	V0					
Methanol	0.5	4.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	0.13	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200708
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.6	mmHg		n-Heptane	0.04	0.27	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.17	ppbv	V0
1-Butene/Isobutylene	0.06	0.26	ppbv	V0	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.26	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.17	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.32	ppbv	V0
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.15	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.29	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
n-Butane	0.02	0.89	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220300817
Start Date:	2022-03-03 11:10	End Date:	2022-03-03 11:11	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.24	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.10	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200701
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.6	mmHg		n-Heptane	0.04	0.31	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.19	ppbv	V0
1-Butene/Isobutylene	0.06	0.29	ppbv	V0	n-Pentane	0.04	0.76	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.27	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.16	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.23	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.35	ppbv	V0
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.16	ppbv	V0					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.18	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.7	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.31	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.16	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.67	ppbv	V0					
Isopentane	0.04	0.80	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	0.93	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Athabasca Valley		Samp Use: Field Procedure Blank	Loc ID: ATHV	WBEA ID: 220200700
Start Date: 2022-02-24 12:35		End Date: 2022-02-24 12:36		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.23	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.18	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.5	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220300787
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.3	mmHg		n-Heptane	0.04	0.36	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.27	ppbv	V0
1-Butene/Isobutylene	0.06	0.26	ppbv	V0	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.16	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.20	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	0.52	ppbv	V0
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.16	ppbv	V0					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.19	ppbv	V0					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.28	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.61	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.23	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	0.59	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 220200637
Start Date:	2022-02-28 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2022-03-01 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.7	mmHg		n-Heptane	0.04	0.25	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.25	ppbv	V0	n-Pentane	0.04	0.94	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.22	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.68	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.57	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300759
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.7	mmHg		n-Heptane	0.04	0.29	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.19	ppbv	V0
1-Butene/Isobutylene	0.06	0.25	ppbv	V0	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.15	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.18	ppbv	V0	Toluene	0.03	0.33	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.14	ppbv	V0					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.18	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.51	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200672
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.5	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.24	ppbv	V0	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.15	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.57	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300786
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

Initial canister pressure entered as -10.0 inHg and final as 26 psi.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.6	mmHg		n-Heptane	0.04	0.34	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.95	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.19	ppbv	V0
1-Butene/Isobutylene	0.06	0.33	ppbv	V0	n-Pentane	0.04	1.01	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.69	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.25	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.17	ppbv	V0	o-Xylene	0.03	0.40	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.21	ppbv	V0	Toluene	0.03	1.59	ppbv	V4
2,3-Dimethylpentane	0.02	0.26	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.19	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.22	ppbv	V0					
2-Methylpentane	0.02	0.33	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.25	ppbv	V0					
3-Methylpentane	0.02	0.37	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	14.1	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.35	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.24	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	18.50	ppbv	V4					
Ethylbenzene	0.03	0.36	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.92	ppbv	V0					
Isopentane	0.04	3.57	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	8.20	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.92	ppbv	V0					
Methanol	0.5	65.9	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.18	ppbv	V0					
Methylcyclopentane	0.05	0.36	ppbv	V0					
n-Butane	0.02	4.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200674
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.1	mmHg		n-Heptane	0.04	0.25	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.25	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.54	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200690
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.8	mmHg		n-Heptane	0.04	0.32	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.21	ppbv	V0
1-Butene/Isobutylene	0.06	0.31	ppbv	V0	n-Pentane	0.04	0.94	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.27	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.16	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.16	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.25	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.38	ppbv	V0
2,3-Dimethylpentane	0.02	0.17	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.15	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	0.22	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.18	ppbv	V0					
3-Methylpentane	0.02	0.22	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.31	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.18	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.71	ppbv	V0					
Isopentane	0.04	0.94	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.20	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	1.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300801
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220300769
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 15:37	Duration:	39.6 hr

Notes

Automatic trigger did not stop at end of NAPS day causing sample to run past 00:00 MST.(142620/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C		n-Dodecane	0.30	0.40	ppbv	V0
Pressure		736.6	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.28	ppbv	V0	n-Hexane	0.03	0.46	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.22	ppbv	V0	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.41	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.21	ppbv	V0	n-Propylbenzene	0.06	0.12	ppbv	V0
1-Pentene	0.03	0.18	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.16	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.26	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.13	ppbv	V0	Styrene	0.04	0.26	ppbv	V0
2,3-Dimethylbutane	0.09	0.18	ppbv	V0	Toluene	0.03	0.64	ppbv	V0
2,3-Dimethylpentane	0.02	0.20	ppbv	V0	trans-2-Butene	0.03	0.13	ppbv	V0
2,4-Dimethylpentane	0.03	0.13	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.12	ppbv	V0	trans-2-Pentene	0.02	0.13	ppbv	V0
2-Methylheptane	0.02	0.07	ppbv	V0					
2-Methylhexane	0.03	0.14	ppbv	V0					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.21	ppbv	V0					
4-Methyl-1-pentene	0.03	0.11	ppbv	V0					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.32	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	0.09	ppbv	V0					
cis-2-Pentene	0.02	0.09	ppbv	V0					
Cyclohexane	0.04	0.26	ppbv	V0					
Cyclopentane	0.02	0.15	ppbv	V0					
Cyclopentene	0.02	0.09	ppbv	V0					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	0.25	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	1.00	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	1.60	ppbv	V0					
Isopropylbenzene	0.04	0.11	ppbv	V0					
m,p-Xylene	0.04	0.50	ppbv	V0					
Methanol	0.5	18.0	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	0.40	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.23	ppbv	V0					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	0.15	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220300781
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.3	mmHg		n-Heptane	0.04	0.32	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.35	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.45	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.54	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.20	ppbv	V0					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	11.9	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.28	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300807
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.2	°C		n-Dodecane	0.30	0.30	ppbv	V0
Pressure		721.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.10	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300818
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.06	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220300824
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	36.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300830
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.06	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.02	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300876
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		701.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.57	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	10.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	1.12	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Conklin	Loc ID: CONK	WBEA ID: 220300875	
Start Date: 2022-03-10 16:15	End Date: 2022-03-10 16:16	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300883
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-4.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.25	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220300834
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.1	°C		n-Dodecane	0.30	0.30	ppbv	V0
Pressure		728.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.70	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.04	ppbv	V0
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.26	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.27	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.75	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300847
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	0.30	ppbv	V0
Pressure		727.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.64	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.68	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300833
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	0.30	ppbv	V0
Pressure		725.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.05	ppbv	V0
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	7.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID: 220300863
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	0.30	ppbv	V0
Pressure		726.3	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.37	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.11	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300889
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.1	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.17	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.10	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	8.5	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220300895
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.5	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.17	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.9	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.47	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	12.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.57	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220300860
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.0	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.18	ppbv	V0					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.48	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	2.0	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.41	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300901
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.0	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.17	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	5.2	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220300934
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.0	mmHg		n-Heptane	0.04	0.54	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.17	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.56	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.43	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.14	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.18	ppbv	V0	Toluene	0.03	0.90	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.41	ppbv	V0					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.19	ppbv	V0					
3-Methylhexane	0.02	0.18	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.24	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.71	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.42	ppbv	V0					
Methanol	0.5	12.9	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.45	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220300947
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.5	mmHg		n-Heptane	0.04	0.48	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.50	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.14	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.74	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.36	ppbv	V0					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.17	ppbv	V0					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.55	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.38	ppbv	V0					
Methanol	0.5	7.0	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.40	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
n-Butane	0.02	0.56	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300924
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		704.4	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.51	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220300960
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.4	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	3.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300933
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.2	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.19	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.14	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.25	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.30	ppbv	V0	Toluene	0.03	0.32	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.15	ppbv	V0					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.27	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	13.70	ppbv	V4					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.73	ppbv	V0					
Isopentane	0.04	0.90	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	6.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.19	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	0.06	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220300961
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.4	mmHg		n-Heptane	0.04	0.38	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.14	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.40	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.14	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.44	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.31	ppbv	V0					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	0.08	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.29	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	0.04	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	5.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.34	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	0.08	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300912
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.0	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.04	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.14	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.11	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	5.1	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220300911
Start Date:	2022-03-14 10:45	End Date:	2022-03-14 10:46	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.09	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.07	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300980
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.1	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.04	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.05	ppbv	V0					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.29	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	4.3	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220300986
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.7	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.06	ppbv	V0					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.52	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	65.9	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.75	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300974
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.6	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.07	ppbv	V0					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	19.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.53	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301065
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.0	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.13	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	3.6	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220301072
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-5.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.3	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	8.9	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220301030
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.1	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.04	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	2.8	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220301029	
Start Date: 2022-03-22 13:05	End Date: 2022-03-22 13:06	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.07	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220301011
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.1	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.25	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	0.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220301004
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.5	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.39	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301059
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.2	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.14	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.10	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.22	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.08	ppbv	V0					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	4.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.72	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Barge Landing	Samp Use: Exposure	Loc ID: BARG	WBEA ID: 220300995	Duration: 24.0 hr
Start Date: 2022-03-24 00:00	End Date: 2022-03-25 00:00			

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.04	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220301003
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.13	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300992
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.05	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	11.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301031
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301086
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.33	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220301102
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.09	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	34.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220301075
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	26.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220301074
Start Date:	2022-03-25 07:35	End Date:	2022-03-25 07:36	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220301140
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.03	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.67	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.87	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	2.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220301116
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.2	°C		n-Dodecane	0.30	0.50	ppbv	V0
Pressure		730.2	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.06	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.08	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	0.09	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220301151
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220301094
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	20.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID: 220301139
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.05	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.6	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	24.00	ppbv	V4					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.44	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort McKay South		Samp Use: Exposure	Loc ID: FMCS	WBEA ID: 220301097
Start Date: 2022-03-30 00:00		End Date: 2022-03-31 00:00		Duration: 24.0 hr

Notes

Power failure caused short sampling duration.(86280/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.9	°C		n-Dodecane	0.30	0.50	ppbv	V0
Pressure		730.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.13	ppbv	V0	n-Hexane	0.03	0.48	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.70	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.03	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.37	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	4.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.40	ppbv	V0					
Isopentane	0.04	2.39	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	12.50	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	32.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.34	ppbv	V0					
n-Butane	0.02	2.63	ppbv	V0					
n-Decane	0.06	0.11	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301157
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Anzac	Loc ID: ANZC	WBEA ID: 220301189	Duration: 24.0 hr
Start Date: 2022-04-05 00:00	End Date: 2022-04-06 00:00		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		706.8	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	4.6	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401311
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.4	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Anzac	Loc ID: ANZC	WBEA ID: 220401310	
Start Date: 2022-04-07 15:35	End Date: 2022-04-07 15:36	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.06	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.05	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220301197
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.1	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.24	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	0.04	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	11.9	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401335
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.7	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	8.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Index: 1	
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	WBEA ID:	220301196
Location:	Athabasca Valley	Loc ID:	ATHV	Duration:	0.0 hr
Start Date:	2022-03-31 11:15	End Date:	2022-03-31 11:16		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.05	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220401251
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	6.6	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.32	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220401275
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401231
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.9	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.4	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.88	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	4.5	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.68	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401334
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.9	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401247
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		700.3	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.9	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.42	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.13	ppbv	V0					
Methanol	0.5	6.7	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.73	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401284
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.3	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	2.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220401214
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.3	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	3.7	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220401316
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-3.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.16	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401250
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.9	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.58	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	0.21	ppbv	V0	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.5	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	18.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.90	ppbv	V0					
Isopentane	0.04	0.79	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	7.5	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID: 220401274
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.70	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	3.8	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.36	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220401217
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

Short sampling duration due to power failure.(86273/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.8	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.40	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.04	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.25	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.39	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.70	ppbv	V0					
Isopentane	0.04	1.06	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	4.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	11.5	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.22	ppbv	V0					
n-Butane	0.02	1.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220401319
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.3	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.10	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401252
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.33	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	4.0	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401291
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.5	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.61	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.40	ppbv	V0
2,3-Dimethylpentane	0.02	0.08	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	1.09	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	8.4	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.24	ppbv	V0					
n-Butane	0.02	1.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301182
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.3	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.14	ppbv	V0					
Methanol	0.5	8.5	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401346
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.1	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.06	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220401369
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		748.7	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.36	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.77	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	0.16	ppbv	V0
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.41	ppbv	V0					
Isopentane	0.04	1.08	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	10.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401357
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.8	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	3.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401368
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.7	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.17	ppbv	V0					
Methanol	0.5	3.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401359
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.04	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.14	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	5.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401383
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.1	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.12	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.3	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	8.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220401387
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

Sample line momentarily taken off before closing valve on canister upon collection of sample. No visible loss of pressure in canister.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.1	°C		n-Decane	0.06	-8888	ppbv	V1
Pressure		740.2	mmHg		n-Dodecane	0.30	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Heptane	0.04	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	1.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.08	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220401390
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.6	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	0.11	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	3.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401414
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.7	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220401358
Start Date:	2022-04-12 11:00	End Date:	2022-04-12 11:01	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.40	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.25	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.08	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401412
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.2	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.03	ppbv	V0	n-Hexane	0.03	0.43	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.31	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	7.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.19	ppbv	V0					
n-Butane	0.02	0.70	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401395
Start Date:	2022-04-21 00:00	End Date:	2022-04-22 00:00	Duration:	24.0 hr

Notes

Sample redeployed on a different day due to power failure.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.34	ppbv	V0	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	4.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	0.05	ppbv	V0					
m,p-Xylene	0.04	0.39	ppbv	V0					
Methanol	0.5	16.2	ppbv	V0					
Methylethylketone	0.30	0.60	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.50	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401924
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.3	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.20	ppbv	V0	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.66	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	0.10	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	0.02	ppbv	V0					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.81	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	13.6	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220401428
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.2	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	2.95	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.33	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	0.14	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.42	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.03	ppbv	V0					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.47	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.27	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	2.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.31	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401867
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.7	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	4.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401427
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.3	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.03	ppbv	V0	n-Hexane	0.03	0.28	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	3.82	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.43	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.34	ppbv	V0	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	0.25	ppbv	V0
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.70	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.65	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.35	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	11.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.78	ppbv	V0					
Isopentane	0.04	2.80	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	4.9	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401880
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.9	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	8.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Janvier		Samp Use: Field Procedure Blank	Loc ID: JANV	WBEA ID: 220401879
Start Date: 2022-04-20 14:50		End Date: 2022-04-20 14:51		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401932
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.3	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.47	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	0.09	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.9	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.64	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	7.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401918
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.0	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.48	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	4.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 220401899
Start Date:	2022-04-23 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2022-04-24 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.6	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	0.12	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.03	ppbv	V0					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.59	ppbv	V0					
Isopentane	0.04	1.31	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	5.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220401883
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.9	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.54	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.60	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.37	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.03	ppbv	V0					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.66	ppbv	V0					
Isopentane	0.04	1.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	7.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.25	ppbv	V0					
n-Butane	0.02	0.97	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220401886
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.2	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.51	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	0.12	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.25	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.48	ppbv	V0					
Isopentane	0.04	1.27	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	3.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401998
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.0	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	4.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401971
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.4	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.33	ppbv	V0	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	4.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.33	ppbv	V0					
Methanol	0.5	18.7	ppbv	V0					
Methylethylketone	0.30	0.60	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.50	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220401960
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.59	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	0.13	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.29	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.72	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	6.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220402045	
Start Date:	2022-04-28 13:00	End Date:	2022-04-28 13:01	Duration:	0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.8	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.05	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220402052
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.3	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	2.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401959
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.5	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	13.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220402049
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.4	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.04	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.23	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	0.15	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.24	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.31	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.10	ppbv	V0					
Cyclopentane	0.02	0.19	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.87	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	3.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401986
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.1	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	0.08	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.13	ppbv	V0					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.66	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220402046
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.3	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.17	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	0.17	ppbv	V0
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	4.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401992
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.4	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.16	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	10.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401981
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.1	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.16	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	4.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 220502126
Start Date:	2022-05-05 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2022-05-06 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.7	mmHg		n-Heptane	0.04	0.41	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.59	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.38	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	4.71	ppbv	V4
1-Hexene/2-Methyl-1-pentene	0.07	0.20	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.53	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.35	ppbv	V0	Toluene	0.03	0.49	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	0.16	ppbv	V0
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.23	ppbv	V0					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.94	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.18	ppbv	V0					
3-Methylpentane	0.02	0.83	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.35	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	3.44	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.53	ppbv	V0					
Methanol	0.5	10.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.20	ppbv	V0					
Methylcyclopentane	0.05	0.22	ppbv	V0					
n-Butane	0.02	0.60	ppbv	V0					
n-Decane	0.06	0.06	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502096
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.8	mmHg		n-Heptane	0.04	0.40	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.28	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	1.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.18	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.21	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	0.07	ppbv	V0
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	0.30	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	0.15	ppbv	V0
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.26	ppbv	V0					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.29	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	0.30	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	1.24	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	4.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.29	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	0.51	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort McKay South		Samp Use: Exposure	Loc ID: FMCS	WBEA ID: 220502099
Start Date: 2022-05-05 00:00		End Date: 2022-05-06 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.5	mmHg		n-Heptane	0.04	0.45	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.50	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.27	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	3.61	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.20	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.37	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	0.11	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.21	ppbv	V0					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.65	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.09	ppbv	V0					
3-Methylhexane	0.02	0.20	ppbv	V0					
3-Methylpentane	0.02	0.58	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.26	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	2.45	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	6.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.22	ppbv	V0					
Methylcyclopentane	0.05	0.22	ppbv	V0					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220502086
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.6	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	7.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502070
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		279.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.03	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.6	ppbv	V0					
Acetone	0.40	5.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.70	ppbv	V0					
Ethylbenzene	0.03	0.08	ppbv	V0					
Formaldehyde	1	3	ppbv	V0					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.04	ppbv	V0					
Isopropylalcohol	0.30	1.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	9.1	ppbv	V0					
Methylethylketone	0.30	0.70	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220502093
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.4	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.39	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	3.82	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.41	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.28	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.88	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.70	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.25	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.13	ppbv	V0					
Isopentane	0.04	1.93	ppbv	V0					
Isoprene	0.02	0.04	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	8.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID: 220502092
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.5	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.20	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.02	ppbv	V0					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	12.50	ppbv	V0					
Ethylbenzene	0.03	0.09	ppbv	V0					
Formaldehyde	1	4	ppbv	V0					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.05	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.14	ppbv	V0					
Methanol	0.5	9.6	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Patricia McInnes		Samp Use: Field Procedure Blank	Loc ID: PATM	WBEA ID: 220502085
Start Date: 2022-05-02 14:15		End Date: 2022-05-02 14:16		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	1.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502064
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.73	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.5	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	2	ppbv	V0					
Isobutane	0.03	0.25	ppbv	V0					
Isopentane	0.04	0.76	ppbv	V0					
Isoprene	0.02	0.05	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	7.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.45	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502139
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.08	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.06	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.04	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	4	ppbv	V0					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	0.07	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	5.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.54	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220502145
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.4	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.10	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.05	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Athabasca Valley		Samp Use: Field Procedure Blank	Loc ID: ATHV	WBEA ID: 220502191
Start Date: 2022-05-09 11:30		End Date: 2022-05-09 11:31		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	0.03	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.75	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220502182
Start Date:	2022-05-11 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-05-12 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.69	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	4	ppbv	V0					
Isobutane	0.03	0.15	ppbv	V0					
Isopentane	0.04	0.79	ppbv	V0					
Isoprene	0.02	0.05	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502161
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	2	ppbv	V0					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	0.05	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220502164
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	3	ppbv	V0					
Isobutane	0.03	0.06	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	0.07	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Anzac		Samp Use: Exposure	Loc ID: ANZC	WBEA ID: 220502226
Start Date: 2022-05-11 00:00		End Date: 2022-05-12 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.5	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.00	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	3	ppbv	V0					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	14.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	1.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502192
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	9.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	4	ppbv	V0					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	3.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.0	ppbv	V0					
Methylethylketone	0.30	1.00	ppbv	V0					
Methylisobutylketone	0.30	0.40	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220502193
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.47	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	2	ppbv	V0					
Isobutane	0.03	0.13	ppbv	V0					
Isopentane	0.04	0.74	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	14.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502211
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.1	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	6	ppbv	V4					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	9.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220502185
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.43	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	14.70	ppbv	V0					
Ethylbenzene	0.03	0.08	ppbv	V0					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	1.17	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	4.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502217
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		7.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	3.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	2	ppbv	V0					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.42	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	10.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.58	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502156
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.50	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	2	ppbv	V0					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	20.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.60	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502295
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	4.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502265
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.9	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.38	ppbv	V0	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.05	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	0.04	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.6	ppbv	V0					
Acetone	0.40	3.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.04	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.91	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	6.2	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	1.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220502284
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

Unable to obtain atmospheric pressure through RTMC Run-Time

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502257
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.1	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.53	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	4.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Hills		Samp Use: Exposure	Loc ID: FTHL	WBEA ID: 220502273
Start Date: 2022-05-17 00:00		End Date: 2022-05-18 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.3	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.06	ppbv	V0	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.76	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	0.10	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	12.70	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	3.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220502260
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.6	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.36	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	4.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502270
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	6.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502254
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.6	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.03	ppbv	V0					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.29	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	7.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.31	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502283
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	4.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502290
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.2	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.16	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.14	ppbv	V0					
Methanol	0.5	4.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	1.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Anzac		Samp Use: Field Procedure Blank	Loc ID: ANZC	WBEA ID: 220502300
Start Date: 2022-05-19 07:55		End Date: 2022-05-19 07:56		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220502326
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.18	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.25	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.34	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.20	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.29	ppbv	V0					
Isopentane	0.04	0.80	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.04	ppbv	V0					
Methanol	0.5	2.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220502350
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.90	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.15	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.05	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.27	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.9	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.03	ppbv	V0					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.15	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.54	ppbv	V0					
Isopentane	0.04	1.07	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.13	ppbv	V0					
Methanol	0.5	2.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	1.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502349
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.25	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	3.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502338
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	2.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220502313
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.10	ppbv	V0	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.37	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	9.80	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	0.08	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	2.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort McKay South		Samp Use: Exposure	Loc ID: FMCS	WBEA ID: 220502341
Start Date: 2022-05-23 00:00		End Date: 2022-05-24 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.80	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.61	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.04	ppbv	V0					
Methanol	0.5	3.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502370
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	3.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502299
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	5.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502317
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.5	mmHg		n-Heptane	0.04	0.22	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.45	ppbv	V0	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.05	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	0.08	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.68	ppbv	V0					
Isopentane	0.04	0.55	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.34	ppbv	V0					
Methanol	0.5	5.4	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502327
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.2	mmHg		n-Heptane	0.04	0.31	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.34	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.19	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.18	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.36	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.73	ppbv	V0					
Isopentane	0.04	0.82	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	6.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.20	ppbv	V0					
n-Butane	0.02	1.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Barge Landing	Samp Use:	Exposure	WBEA ID: 220502386
Start Date:	2022-05-29 00:00	Loc ID:	BARG	Duration: 24.0 hr
		End Date:	2022-05-30 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.0	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.58	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 220502417
Start Date:	2022-05-29 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2022-05-30 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.0	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.43	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.39	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.20	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.30	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.11	ppbv	V0					
Isopentane	0.04	1.09	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	5.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.18	ppbv	V0					
n-Butane	0.02	1.83	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502393
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.7	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.10	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.61	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220401999
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.5	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.13	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502082
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.3	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.9	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.12	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502233
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.10	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502205
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

VOC canister opened before line was purged, causing potential contamination of the sample.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.7	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	6.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.16	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Chipewyan		Samp Use: Exposure	Loc ID: FTCH	WBEA ID: 220502324
Start Date: 2022-05-23 00:00		End Date: 2022-05-24 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502449
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.73	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	23.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220502238
Start Date:	2022-05-12 00:00	End Date:	2022-05-12 00:01	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		5.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	0.03	ppbv	V0					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220502380
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.5	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.13	ppbv	V0	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.08	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.8	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.30	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	18.10	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.35	ppbv	V0					
Isopentane	0.04	0.67	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	3.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.24	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Fort McKay South	Loc ID: FMCS	WBEA ID: 220502404	
Start Date: 2022-05-29 00:00	End Date: 2022-05-30 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.7	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.10	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.61	ppbv	V0					
Isopentane	0.04	0.69	ppbv	V0					
Isoprene	0.02	0.17	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	3.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.67	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502415
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.1	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220502440
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.8	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.38	ppbv	V0	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.5	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.29	ppbv	V0					
Isopentane	0.04	0.62	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	1.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502400
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		704.1	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220502399
Start Date:	2022-05-24 11:55	End Date:	2022-05-24 11:56	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.94	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.12	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.25	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.04	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502405
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.9	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	4.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502445
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.3	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.13	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	0.02	ppbv	V0					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.61	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	5.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602579
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.2	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.08	ppbv	V0	n-Hexane	0.03	0.41	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.06	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.84	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	0.34	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.16	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.44	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	0.05	ppbv	V0
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.11	ppbv	V0	trans-2-Pentene	0.02	0.09	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	0.07	ppbv	V0					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	15.0	ppbv	V0					
Acetone	0.40	13.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.04	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.08	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	15.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.42	ppbv	V0					
Isopentane	0.04	3.55	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	3.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	60.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.19	ppbv	V0					
n-Butane	0.02	8.91	ppbv	V4					
n-Decane	0.06	0.09	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602555
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.5	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.23	ppbv	V0	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.10	ppbv	V0	trans-2-Pentene	0.02	0.06	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.9	ppbv	V0					
Acetone	0.40	6.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.07	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.33	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.06	ppbv	V0					
Isopropylalcohol	0.30	2.20	ppbv	V0					
Isopropylbenzene	0.04	0.08	ppbv	V0					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	19.6	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	0.40	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220502510
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	0.33	ppbv	V0					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.02	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 220602546
Start Date:	2022-06-04 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2022-06-05 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.6	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	13.3	ppbv	V0					
Acetone	0.40	8.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.36	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.17	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	26.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602585
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.4	ppbv	V0					
Acetone	0.40	7.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.50	ppbv	V0					
Isoprene	0.02	0.14	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	29.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.43	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602526
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.4	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.07	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.4	ppbv	V0					
Acetone	0.40	6.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.08	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.14	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	29.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220502509
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.7	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.16	ppbv	V0	n-Hexane	0.03	0.50	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.08	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	1.78	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.09	ppbv	V0
1-Pentene	0.03	0.26	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.18	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.17	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.09	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.59	ppbv	V0
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Butene	0.03	0.03	ppbv	V0
2,4-Dimethylpentane	0.03	0.07	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.18	ppbv	V0	trans-2-Pentene	0.02	0.10	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.48	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.48	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	15.0	ppbv	V0					
Acetone	0.40	10.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.03	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.09	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.23	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	108.00	ppbv	V4					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.85	ppbv	V0					
Isopentane	0.04	3.35	ppbv	V0					
Isoprene	0.02	0.08	ppbv	V0					
Isopropylalcohol	0.30	3.40	ppbv	V0					
Isopropylbenzene	0.04	0.08	ppbv	V0					
m,p-Xylene	0.04	0.14	ppbv	V0					
Methanol	0.5	113.0	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	0.50	ppbv	V0					
Methylvinylketone	0.30	0.30	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.24	ppbv	V0					
n-Butane	0.02	6.68	ppbv	V4					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602523
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.0	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.08	ppbv	V0					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.0	ppbv	V0					
Acetone	0.40	8.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	0.12	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	35.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	0.09	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602573
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.0	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.06	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	15.1	ppbv	V0					
Acetone	0.40	7.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	27.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	1.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Janvier		Samp Use: Field Procedure Blank	Loc ID: JANV	WBEA ID: 220602572
Start Date: 2022-06-03 11:50		End Date: 2022-06-03 11:51		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602562
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.2	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.06	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.7	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.06	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Anzac	Loc ID: ANZC	WBEA ID: 220602623	Duration: 24.0 hr
Start Date: 2022-06-10 00:00	End Date: 2022-06-11 00:00		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	0.03	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.6	ppbv	V0					
Acetone	0.40	4.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.03	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602628
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.19	ppbv	V0	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.17	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	0.03	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	0.07	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	18.6	ppbv	V0					
Acetone	0.40	12.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.05	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.83	ppbv	V0					
Isopentane	0.04	0.55	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	2.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	54.2	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220602607
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.4	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.72	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.19	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.06	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.36	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	0.03	ppbv	V0
2-Methylheptane	0.02	0.04	ppbv	V0					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.29	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.1	ppbv	V0					
Acetone	0.40	6.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.04	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.91	ppbv	V0					
Isopentane	0.04	1.65	ppbv	V0					
Isoprene	0.02	0.24	ppbv	V0					
Isopropylalcohol	0.30	2.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	52.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	2.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602659
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.4	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.04	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	22.6	ppbv	V0					
Acetone	0.40	6.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	0.43	ppbv	V0					
Isoprene	0.02	0.27	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	25.0	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220602660	
Start Date: 2022-06-09 12:55	End Date: 2022-06-09 12:56	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602597
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.6	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.21	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602667
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.4	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.39	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.03	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	23.3	ppbv	V0					
Acetone	0.40	5.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.62	ppbv	V0					
Isopentane	0.04	0.41	ppbv	V0					
Isoprene	0.02	0.30	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602606
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.05	ppbv	V0	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	1.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.11	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.23	ppbv	V0					
3-Methyl-1-butene	0.02	0.08	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.1	ppbv	V0					
Acetone	0.40	6.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.04	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	18.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.72	ppbv	V0					
Isoprene	0.02	0.25	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	15.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Fort McKay South	Samp Use:	Exposure	WBEA ID: 220602670
Start Date:	2022-06-10 00:00	Loc ID:	FMCS	Duration: 24.0 hr
		End Date:	2022-06-11 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.8	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.05	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.5	ppbv	V0					
Acetone	0.40	3.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	0.33	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602603
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	17.6	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	0.08	ppbv	V0					
Isoprene	0.02	0.23	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	23.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602635
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	0.03	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	18.4	ppbv	V0					
Acetone	0.40	5.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.04	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.14	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	23.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.05	ppbv	V0					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602681
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Power outage resulted in low sample volume and short sampling duration.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.3	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.25	ppbv	V0	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	1.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.21	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.05	ppbv	V0					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.22	ppbv	V0					
3-Methyl-1-butene	0.02	0.03	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	14.8	ppbv	V0					
Acetone	0.40	7.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.02	ppbv	V0					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	9.00	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.95	ppbv	V0					
Isoprene	0.02	0.19	ppbv	V0					
Isopropylalcohol	0.30	4.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	26.4	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
n-Butane	0.02	0.98	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 220602732	
Start Date: 2022-06-16 00:00	End Date: 2022-06-17 00:00	Duration: 24.0 hr		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.37	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	20.4	ppbv	V0					
Acetone	0.40	5.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.58	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	23.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602517
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.5	ppbv	V0					
Acetone	0.40	4.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	38.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Fort Chipewyan	Samp Use:	Exposure	WBEA ID: 220602614
Start Date:	2022-06-10 00:00	Loc ID:	FTCH	Duration: 24.0 hr
		End Date:	2022-06-11 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.6	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.51	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	1.41	ppbv	V4
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	18.4	ppbv	V0					
Acetone	0.40	9.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.50	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	0.05	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	254.0	ppbv	V4					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	1.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602731
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.9	ppbv	V0					
Acetone	0.40	3.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	0.07	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	72.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602772
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

Sample line from canister to sampler had a leak, causing low final pressure.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.6	ppbv	V0					
Acetone	0.40	9.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	20.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.04	ppbv	V0					
Isoprene	0.02	0.49	ppbv	V0					
Isopropylalcohol	0.30	1.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	27.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220602884
Start Date:	2022-06-23 00:00	End Date:	2022-06-23 00:01	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	0.23	ppbv	V0					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.02	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602672
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.68	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.5	ppbv	V0					
Acetone	0.40	8.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	56.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602725
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.53	ppbv	V0	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.4	ppbv	V0					
Acetone	0.40	5.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	0.37	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	23.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220602746
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.70	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	23.9	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.34	ppbv	V0					
Isopentane	0.04	0.08	ppbv	V0					
Isoprene	0.02	0.66	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602716
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.4	ppbv	V0					
Acetone	0.40	7.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.41	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	0.35	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	89.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602738
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	31.9	ppbv	V0					
Acetone	0.40	8.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.10	ppbv	V0					
Isoprene	0.02	0.36	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	24.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602745
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.46	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.10	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.0	ppbv	V0					
Acetone	0.40	5.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	32.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.38	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602739
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Short sample duration due to power failure.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.55	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	27.5	ppbv	V0					
Acetone	0.40	11.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.55	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.69	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	28.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602710
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	45.3	ppbv	V0					
Acetone	0.40	8.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	14.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.80	ppbv	V0					
Isopentane	0.04	0.08	ppbv	V0					
Isoprene	0.02	0.51	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	35.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220602671
Start Date:	2022-06-13 10:30	End Date:	2022-06-13 10:31	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.97	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602824
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	1.51	ppbv	V4
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	3.46	ppbv	V4
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.81	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.68	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.27	ppbv	V0					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	47.5	ppbv	V0					
Acetone	0.40	8.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	18.30	ppbv	V0					
Ethylbenzene	0.03	0.66	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.01	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	0.51	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	2.66	ppbv	V4					
Methanol	0.5	50.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602766
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.19	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	48.5	ppbv	V0					
Acetone	0.40	11.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.82	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	0.45	ppbv	V0					
Isopropylalcohol	0.30	2.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	21.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220602765
Start Date:	2022-06-17 08:45	End Date:	2022-06-17 08:46	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.30	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	0.16	ppbv	V0					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.05	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 220602818
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	1.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.31	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.26	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.39	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	45.4	ppbv	V0					
Acetone	0.40	10.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	13.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.17	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.72	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	54.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.69	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602790
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.68	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.22	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.19	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.50	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.35	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	57.4	ppbv	V0					
Acetone	0.40	9.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	17.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.15	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	0.69	ppbv	V0					
Isopropylalcohol	0.30	1.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	86.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.26	ppbv	V0					
n-Butane	0.02	3.59	ppbv	V4					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602808
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	39.5	ppbv	V0					
Acetone	0.40	6.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	10.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.16	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	0.61	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	53.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.94	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602796
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.2	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	0.43	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.04	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602858
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Short sampling duration caused by power outage.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.4	ppbv	V0					
Acetone	0.40	4.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	1.50	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	27.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602817
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.12	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	17.0	ppbv	V0					
Acetone	0.40	9.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	69.40	ppbv	V4					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.47	ppbv	V0					
Isopentane	0.04	0.71	ppbv	V0					
Isoprene	0.02	0.39	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort McKay South		Samp Use: Exposure	Loc ID: FMCS	WBEA ID: 220602793
Start Date: 2022-06-22 00:00		End Date: 2022-06-23 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.1	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	0.58	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602809
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	55.2	ppbv	V0					
Acetone	0.40	5.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	15.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.05	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	0.90	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	59.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602753
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	74.1	ppbv	V0					
Acetone	0.40	10.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	19.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.62	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	0.34	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	50.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.82	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602893
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.26	ppbv	V0	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.12	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.2	ppbv	V0					
Acetone	0.40	14.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.03	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	12.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	0.70	ppbv	V0					
Isoprene	0.02	0.92	ppbv	V0					
Isopropylalcohol	0.30	3.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	28.5	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.58	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220602865
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Short sample duration due to power outage.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.4	ppbv	V0					
Acetone	0.40	7.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	2.24	ppbv	V4					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	25.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.16	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220602937
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.99	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	12.2	ppbv	V0					
Acetone	0.40	19.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	1.20	ppbv	V0					
Isoprene	0.02	1.19	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	26.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602878
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Short sampling duration due to power outage.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.0	ppbv	V0					
Acetone	0.40	7.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	2.02	ppbv	V4					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	21.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure	WBEA ID: 220602960
Start Date:	2022-07-04 00:00	Loc ID:	BGFM	Duration: 24.0 hr
		End Date:	2022-07-05 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.24	ppbv	V0	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.60	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.12	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.16	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.9	ppbv	V0					
Acetone	0.40	9.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	20.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.97	ppbv	V0					
Isoprene	0.02	1.08	ppbv	V0					
Isopropylalcohol	0.30	1.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	34.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602906
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.8	ppbv	V0					
Acetone	0.40	8.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	0.54	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	20.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220603014
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.0	ppbv	V0					
Acetone	0.40	7.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.13	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	0.81	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	21.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602980
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.4	ppbv	V0					
Acetone	0.40	9.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.07	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	33.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Hills		Samp Use: Exposure	Loc ID: FTHL	WBEA ID: 220602861
Start Date: 2022-06-28 00:00		End Date: 2022-06-29 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.23	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.2	ppbv	V0					
Acetone	0.40	13.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	139.00	ppbv	V4					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	1.55	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	22.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Fort Hills	Loc ID: FTHL	WBEA ID: 220602933	Duration: 24.0 hr
Start Date: 2022-07-04 00:00	End Date: 2022-07-05 00:00		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.24	ppbv	V0	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.75	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.12	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.12	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.16	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	15.5	ppbv	V0					
Acetone	0.40	12.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	201.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.90	ppbv	V0					
Isoprene	0.02	0.36	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	19.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602864
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Short sampling duration due to power outage.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.1	ppbv	V0					
Acetone	0.40	7.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.50	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	59.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.30	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602970
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.58	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.16	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.1	ppbv	V0					
Acetone	0.40	9.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.15	ppbv	V0					
Isopentane	0.04	0.80	ppbv	V0					
Isoprene	0.02	1.43	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	24.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602912
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.04	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	0.51	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220603002
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.9	ppbv	V0					
Acetone	0.40	7.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.10	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	1.63	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	22.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.07	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602899
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	0.06	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602919
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.1	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.09	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	0.29	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703086
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	4.44	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.04	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.09	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.41	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	1.29	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	14.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.62	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	9.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.15	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	0.53	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	0.60	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	1.06	ppbv	V0					
n-Butane	0.02	0.74	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Anzac		Samp Use: Field Procedure Blank	Loc ID: ANZC	WBEA ID: 220603012
Start Date: 2022-06-30 19:20		End Date: 2022-06-30 19:21	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703078
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.24	ppbv	V0	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.05	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.6	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	12.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	0.65	ppbv	V0					
Isopropylalcohol	0.30	1.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.12	ppbv	V0					
Methanol	0.5	9.8	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	0.60	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 220703049
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	1.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.05	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.36	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.3	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	1.26	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.0	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	0.60	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.30	ppbv	V0					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220703120
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.71	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.10	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.1	ppbv	V0					
Acetone	0.40	10.50	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	10.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.92	ppbv	V0					
Isoprene	0.02	2.30	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	23.1	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	0.70	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703106
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	0.60	ppbv	V0					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	0.60	ppbv	V0					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	3.60	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	10.2	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	0.60	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

			Deployment Information		
Sample Type:	VOC Canister		Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin		Loc ID:	CONK	WBEA ID: 220703030
Start Date:	2022-07-05 12:00		End Date:	2022-07-05 12:01	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	10.60	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.23	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.91	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	4.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	16.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	2.26	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	3.61	ppbv	V0					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703152
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.41	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.09	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.50	ppbv	V0					
Isoprene	0.02	2.42	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	22.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220703040
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.06	ppbv	V0	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	0.04	ppbv	V0
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	0.19	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.02	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.1	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	46.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.60	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	1.19	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	10.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220703176
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.76	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	0.04	ppbv	V0
2,3-Dimethylbutane	0.09	0.22	ppbv	V0	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	0.32	ppbv	V0
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	0.03	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.1	ppbv	V0					
Acetone	0.40	6.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	159.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.75	ppbv	V0					
Isopentane	0.04	1.15	ppbv	V0					
Isoprene	0.02	2.04	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.8	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	0.60	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Fort McKay South	Loc ID: FMCS	WBEA ID: 220703154	
Start Date: 2022-07-16 00:00	End Date: 2022-07-17 00:00	Duration: 24.0 hr	

Notes

Power outage resulted in a short sampling duration. (86308/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	13.4	ppbv	V0					
Acetone	0.40	7.90	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.15	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	3.42	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.9	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	0.60	ppbv	V0					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	0.07	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703117
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	3.40	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.09	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.32	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.96	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.3	ppbv	V0					
Acetone	0.40	12.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.18	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	13.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	5.96	ppbv	V0					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.77	ppbv	V0					
n-Butane	0.02	0.78	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Janvier		Samp Use: Field Procedure Blank	Loc ID: JANV	WBEA ID: 220703116
Start Date: 2022-07-11 13:40		End Date: 2022-07-11 13:41		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220703092
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	0.07	ppbv	V0	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.0	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	0.61	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Anzac	Loc ID: ANZC	WBEA ID: 220603013	
Start Date: 2022-07-04 00:00	End Date: 2022-07-05 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.04	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	0.43	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602977
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.22	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.05	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.9	ppbv	V0					
Acetone	0.40	6.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	9.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.88	ppbv	V0					
Isopropylalcohol	0.30	2.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.12	ppbv	V0					
Methanol	0.5	13.7	ppbv	V0					
Methylethylketone	0.30	0.70	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220703068
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.04	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	4.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.07	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	1.14	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220703031
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	8.01	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.11	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.71	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	2.58	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	13.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	1.55	ppbv	V4					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	0.75	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	2.33	ppbv	V4					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Ells River		Samp Use: Exposure	Loc ID: ELSR	WBEA ID: 220703048
Start Date: 2022-07-10 00:00		End Date: 2022-07-11 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	1.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort McKay South		Samp Use: Exposure	Loc ID: FMCS	WBEA ID: 220703045
Start Date: 2022-07-10 00:00		End Date: 2022-07-11 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.04	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.04	ppbv	V0					
Isopentane	0.04	0.05	ppbv	V0					
Isoprene	0.02	0.43	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.04	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703020
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.05	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.07	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	0.88	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602965
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.05	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	0.43	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703157
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	0.23	ppbv	V0	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.02	ppbv	V0	trans-2-Pentene	0.02	0.02	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	15.0	ppbv	V0					
Acetone	0.40	4.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	2.42	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	25.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.84	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703169
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.17	ppbv	V0	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	0.43	ppbv	V0	n-Pentane	0.04	0.48	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.26	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.02	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.05	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	20.9	ppbv	V0					
Acetone	0.40	7.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	12.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.64	ppbv	V0					
Isopentane	0.04	0.40	ppbv	V0					
Isoprene	0.02	1.67	ppbv	V0					
Isopropylalcohol	0.30	4.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	39.2	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	1.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703140
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	0.44	ppbv	V0	n-Pentane	0.04	4.13	ppbv	V4
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.4	ppbv	V0					
Acetone	0.40	4.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.16	ppbv	V0					
Isopentane	0.04	0.97	ppbv	V0					
Isoprene	0.02	2.84	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	125.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	1.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703170
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	2.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.90	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	30.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.78	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703240
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.06	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	0.05	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	10.7	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703247
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.3	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.26	ppbv	V0	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.27	ppbv	V0
1-Pentene	0.03	0.19	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.20	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.06	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.2	ppbv	V0					
Acetone	0.40	6.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.08	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	2.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	12.8	ppbv	V0					
Methylethylketone	0.30	0.60	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220703180
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.55	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.54	ppbv	V0					
Isoprene	0.02	0.60	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	34.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220703227	
Start Date: 2022-07-22 00:00	End Date: 2022-07-23 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.65	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.25	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	4.80	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.59	ppbv	V0					
Isoprene	0.02	0.48	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.3	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.15	ppbv	V0					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220703226	
Start Date: 2022-07-19 12:35	End Date: 2022-07-19 12:36	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703191
Start Date:	2022-07-26 08:00	End Date:	2022-07-27 08:00	Duration:	24.0 hr

Notes

Sample redeployed from July 26th 08:00 MST to July 27th 08:00 MST due to valve not being open on the July 22nd NAPS day.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.6	°C		n-Decane	0.06	< 0.06	ppbv	V6
Pressure		737.9	mmHg		n-Dodecane	0.30	< 0.3	ppbv	V6
1,2,4-Trimethylbenzene	0.03	< 0.03	ppbv	V6	n-Heptane	0.04	< 0.04	ppbv	V6
1,3,5-Trimethylbenzene	0.03	< 0.03	ppbv	V6	n-Hexane	0.03	0.27	ppbv	V6
1,3-Butadiene	0.03	< 0.03	ppbv	V6	n-Nonane	0.04	< 0.04	ppbv	V6
1-Butene/Isobutylene	0.06	0.13	ppbv	V6	n-Octane	0.02	< 0.02	ppbv	V6
1-Hexene/2-Methyl-1-pentene	0.07	< 0.07	ppbv	V6	n-Pentane	0.04	0.14	ppbv	V6
1-Pentene	0.03	0.39	ppbv	V6	n-Propylbenzene	0.06	< 0.06	ppbv	V6
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V6	n-Undecane	0.50	< 0.5	ppbv	V6
2,2-Dimethylbutane	0.02	< 0.02	ppbv	V6	Naphthalene	0.30	< 0.3	ppbv	V6
2,3,4-Trimethylpentane	0.02	< 0.02	ppbv	V6	o-Xylene	0.03	< 0.03	ppbv	V6
2,3-Dimethylbutane	0.09	< 0.09	ppbv	V6	Styrene	0.04	< 0.04	ppbv	V6
2,3-Dimethylpentane	0.02	< 0.02	ppbv	V6	Toluene	0.03	0.09	ppbv	V6
2,4-Dimethylpentane	0.03	< 0.03	ppbv	V6	trans-2-Butene	0.03	< 0.03	ppbv	V6
2-Methyl-2-butene	0.02	< 0.02	ppbv	V6	trans-2-Hexene	0.20	< 0.2	ppbv	V6
2-Methylheptane	0.02	< 0.02	ppbv	V6	trans-2-Pentene	0.02	< 0.02	ppbv	V6
2-Methylhexane	0.03	< 0.03	ppbv	V6					
2-Methylpentane	0.02	0.06	ppbv	V6					
3-Methyl-1-butene	0.02	< 0.02	ppbv	V6					
3-Methylheptane	0.03	< 0.03	ppbv	V6					
3-Methylhexane	0.02	< 0.02	ppbv	V6					
3-Methylpentane	0.02	0.12	ppbv	V6					
4-Methyl-1-pentene	0.03	< 0.03	ppbv	V6					
Acetaldehyde	0.5	4.9	ppbv	V6					
Acetone	0.40	5.20	ppbv	V6					
alpha-Pinene	0.30	0.50	ppbv	V6					
Benzene	0.03	0.06	ppbv	V6					
beta-Pinene	0.40	< 0.4	ppbv	V6					
cis-2-Butene	0.03	< 0.03	ppbv	V6					
cis-2-Hexene	0.02	< 0.02	ppbv	V6					
cis-2-Pentene	0.02	< 0.02	ppbv	V6					
Cyclohexane	0.04	0.04	ppbv	V6					
Cyclopentane	0.02	< 0.02	ppbv	V6					
Cyclopentene	0.02	< 0.02	ppbv	V6					
Ethanol	0.50	68.80	ppbv	V6					
Ethylbenzene	0.03	< 0.03	ppbv	V6					
Formaldehyde	1	< 0.5	ppbv	V6					
Isobutane	0.03	0.26	ppbv	V6					
Isopentane	0.04	0.63	ppbv	V6					
Isoprene	0.02	2.91	ppbv	V6					
Isopropylalcohol	0.30	5.00	ppbv	V6					
Isopropylbenzene	0.04	< 0.04	ppbv	V6					
m,p-Xylene	0.04	0.22	ppbv	V6					
Methanol	0.5	13.9	ppbv	V6					
Methylethylketone	0.30	< 0.3	ppbv	V6					
Methylisobutylketone	0.30	< 0.3	ppbv	V6					
Methylvinylketone	0.30	< 0.3	ppbv	V6					
Methylcyclohexane	0.02	< 0.02	ppbv	V6					
Methylcyclopentane	0.05	0.11	ppbv	V6					
n-Butane	0.02	0.82	ppbv	V6					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703194
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.49	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	19.2	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602986
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.22	ppbv	V0	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.52	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.27	ppbv	V0
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.61	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.05	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.05	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.03	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	0.08	ppbv	V0					
m,p-Xylene	0.04	0.24	ppbv	V0					
Methanol	0.5	9.2	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	0.27	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703098
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	0.05	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.05	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.03	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	1.44	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	24.0	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703148
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	8.00	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.06	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.08	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	3.57	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	48.9	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.26	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703232
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.03	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.04	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	122.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220703197
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.2	ppbv	V0					
Acetone	0.40	4.60	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	11.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	0.92	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	27.1	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703198
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.37	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.8	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Patricia McInnes	Loc ID: PATM	WBEA ID: 220703253	
Start Date: 2022-07-22 00:00	End Date: 2022-07-23 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.1	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.2	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.52	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	12.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.22	ppbv	V0					
Methanol	0.5	15.0	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Patricia McInnes		Samp Use: Field Procedure Blank	Loc ID: PATM	WBEA ID: 220703291
Start Date: 2022-07-25 10:05		End Date: 2022-07-25 10:06	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220703312
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration: 24.0 hr

Notes

System was at start menu - potential power failure. Sampling still took place, valid

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.96	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	6.30	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.40	ppbv	V0					
Isoprene	0.02	4.91	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	14.4	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.10	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.17	ppbv	V0					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703284
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.56	ppbv	V0	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.16	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	0.21	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	7.80	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	14.40	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.75	ppbv	V0					
Isoprene	0.02	4.00	ppbv	V0					
Isopropylalcohol	0.30	3.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	20.9	ppbv	V0					
Methylethylketone	0.30	0.70	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
n-Butane	0.02	0.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 220703336
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	5.50	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	6.68	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	45.5	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.30	ppbv	V0					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220703330
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.2	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.07	ppbv	V0					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	5.50	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	3.35	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	29.7	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.80	ppbv	V0					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.67	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703360
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.8	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	5.20	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.08	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	6.28	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.20	ppbv	V0					
Methanol	0.5	20.6	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.50	ppbv	V0					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort McKay South		Samp Use: Exposure	Loc ID: FMCS	WBEA ID: 220703335
Start Date: 2022-07-28 00:00		End Date: 2022-07-29 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		24.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.3	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.05	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.12	ppbv	V0					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.6	ppbv	V0					
Acetone	0.40	6.40	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	5.96	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	32.6	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.40	ppbv	V0					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	0.25	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703292
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		25.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	6.30	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	3.85	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	19.9	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.60	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703346
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		27.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	5.90	ppbv	V0					
alpha-Pinene	0.30	0.60	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	4.96	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	28.1	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.20	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Fort Hills	Loc ID: FTHL	WBEA ID: 220703357	Duration: 24.0 hr
Start Date: 2022-07-28 00:00	End Date: 2022-07-29 00:00		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.08	ppbv	V0					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	0.33	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.3	ppbv	V0					
Acetone	0.40	12.60	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	669.00	ppbv	V4					
Ethylbenzene	0.03	0.15	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.57	ppbv	V0					
Isoprene	0.02	4.43	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	16.6	ppbv	V0					
Methylethylketone	0.30	0.80	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	2.00	ppbv	V0					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
n-Butane	0.02	0.31	ppbv	V0					
n-Decane	0.06	0.25	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Janvier	Samp Use: Exposure	WBEA ID: 220703352
Start Date:	2022-07-28 00:00	Loc ID: JANV	Duration: 24.0 hr
		End Date: 2022-07-29 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		23.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.7	ppbv	V0					
Acetone	0.40	6.40	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	11.90	ppbv	V4					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	24.3	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	1.00	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803425
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.09	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	0.55	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.5	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803415
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.0	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.26	ppbv	V0	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.56	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	1.00	ppbv	V4
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.13	ppbv	V0
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.34	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.03	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.14	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.6	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.03	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	0.17	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	0.49	ppbv	V0					
Isopropylalcohol	0.30	2.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.85	ppbv	V0					
Methanol	0.5	4.6	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.20	ppbv	V0					
n-Decane	0.06	0.06	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220803414
Start Date:	2022-08-02 08:22	End Date:	2022-08-02 08:23	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803451
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.09	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.07	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.03	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.33	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.45	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.4	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220803427
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	0.62	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.63	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.34	ppbv	V0
1-Butene/Isobutylene	0.06	0.54	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.41	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.63	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	0.30	ppbv	V0
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.23	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.42	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.26	ppbv	V0					
3-Methylhexane	0.02	0.28	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.3	ppbv	V0					
Acetone	0.40	12.40	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	13.70	ppbv	V0					
Ethylbenzene	0.03	0.39	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.44	ppbv	V0					
Isopentane	0.04	1.63	ppbv	V0					
Isoprene	0.02	2.20	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.50	ppbv	V0					
Methanol	0.5	25.0	ppbv	V0					
Methylcyclohexane	0.02	0.27	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
n-Butane	0.02	1.74	ppbv	V0					
n-Decane	0.06	0.22	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703400
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.3	mmHg		n-Heptane	0.04	0.67	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.65	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.18	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.36	ppbv	V0
1-Butene/Isobutylene	0.06	0.53	ppbv	V0	n-Pentane	0.04	0.47	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.41	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.67	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.26	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.41	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.27	ppbv	V0					
3-Methylhexane	0.02	0.31	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	15.2	ppbv	V0					
Acetone	0.40	18.40	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.60	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	47.20	ppbv	V0					
Ethylbenzene	0.03	0.39	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	2.56	ppbv	V0					
Isoprene	0.02	2.25	ppbv	V0					
Isopropylalcohol	0.30	3.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.52	ppbv	V0					
Methanol	0.5	24.5	ppbv	V0					
Methylcyclohexane	0.02	0.30	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
n-Butane	0.02	1.71	ppbv	V0					
n-Decane	0.06	0.22	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803447
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.58	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.48	ppbv	V0	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.41	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.61	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	0.30	ppbv	V0
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	18.0	ppbv	V0					
Acetone	0.40	12.90	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	13.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.55	ppbv	V0					
Isoprene	0.02	0.79	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	43.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703378
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.9	mmHg		n-Heptane	0.04	0.61	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.58	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.33	ppbv	V0
1-Butene/Isobutylene	0.06	0.44	ppbv	V0	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.61	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.26	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.0	ppbv	V0					
Acetone	0.40	8.20	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	1.71	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.49	ppbv	V0					
Methanol	0.5	9.5	ppbv	V0					
Methylcyclohexane	0.02	0.27	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803420
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.1	mmHg		n-Heptane	0.04	0.65	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.63	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.18	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.37	ppbv	V0
1-Butene/Isobutylene	0.06	0.52	ppbv	V0	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	0.30	ppbv	V0
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.41	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.29	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.65	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.42	ppbv	V0					
3-Methyl-1-butene	0.02	0.37	ppbv	V0					
3-Methylheptane	0.03	0.27	ppbv	V0					
3-Methylhexane	0.02	0.29	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	13.5	ppbv	V0					
Acetone	0.40	21.00	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.60	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	434.00	ppbv	V4					
Ethylbenzene	0.03	0.39	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	1.65	ppbv	V0					
Isoprene	0.02	1.27	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.53	ppbv	V0					
Methanol	0.5	13.2	ppbv	V0					
Methylcyclohexane	0.02	0.30	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
Methylethylketone	0.30	0.60	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
n-Butane	0.02	0.54	ppbv	V0					
n-Decane	0.06	0.22	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220703381
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.6	mmHg		n-Heptane	0.04	0.66	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.63	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.18	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.38	ppbv	V0
1-Butene/Isobutylene	0.06	0.50	ppbv	V0	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.42	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.80	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	0.30	ppbv	V0
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.26	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.27	ppbv	V0					
3-Methylhexane	0.02	0.29	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.8	ppbv	V0					
Acetone	0.40	13.70	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.60	ppbv	V0					
Ethylbenzene	0.03	0.40	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.69	ppbv	V0					
Isopentane	0.04	1.46	ppbv	V0					
Isoprene	0.02	1.28	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.52	ppbv	V0					
Methanol	0.5	39.1	ppbv	V0					
Methylcyclohexane	0.02	0.29	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
n-Butane	0.02	1.28	ppbv	V0					
n-Decane	0.06	0.22	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803452
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.58	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.47	ppbv	V0	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.60	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	0.30	ppbv	V0
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.4	ppbv	V0					
Acetone	0.40	11.00	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	2.34	ppbv	V0					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	34.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803464
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.60	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.48	ppbv	V0	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.61	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.43	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.7	ppbv	V0					
Acetone	0.40	7.90	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	144.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.29	ppbv	V0					
Isopentane	0.04	0.93	ppbv	V0					
Isoprene	0.02	0.76	ppbv	V0					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803473
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.25	ppbv	V0	n-Hexane	0.03	0.59	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.47	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.32	ppbv	V0
1-Butene/Isobutylene	0.06	0.55	ppbv	V0	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.38	ppbv	V0
1-Pentene	0.03	0.15	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.08	ppbv	V0	Naphthalene	0.30	0.30	ppbv	V0
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.43	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.62	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.45	ppbv	V0					
3-Methyl-1-butene	0.02	0.18	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.7	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	12.50	ppbv	V0					
Ethylbenzene	0.03	0.39	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	0.68	ppbv	V0					
Isopropylalcohol	0.30	2.50	ppbv	V0					
Isopropylbenzene	0.04	0.34	ppbv	V0					
m,p-Xylene	0.04	0.55	ppbv	V0					
Methanol	0.5	10.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.95	ppbv	V0					
n-Decane	0.06	0.22	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803534
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Short sampling duration caused by power failure.(86340/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.2	mmHg		n-Heptane	0.04	0.61	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.60	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.33	ppbv	V0
1-Butene/Isobutylene	0.06	0.43	ppbv	V0	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.60	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.42	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	5.60	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	0.61	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	0.22	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220803499
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.61	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.33	ppbv	V0
1-Butene/Isobutylene	0.06	0.46	ppbv	V0	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.62	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.42	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.4	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	9.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.62	ppbv	V0					
Isoprene	0.02	0.68	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.2	ppbv	V0					
Methylcyclohexane	0.02	0.27	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.41	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort McKay South		Samp Use: Exposure	Loc ID: FMCS	WBEA ID: 220803497
Start Date: 2022-08-09 00:00		End Date: 2022-08-10 00:00		Duration: 24.0 hr

Notes

Short sampling duration due to power failure.(86280/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.59	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.16	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.46	ppbv	V0	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.61	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.44	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.3	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	17.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	1.27	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.56	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803480
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Short sampling duration due to power failure.(86340/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.19	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.51	ppbv	V0	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.61	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.43	ppbv	V0					
3-Methyl-1-butene	0.02	0.19	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.5	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	0.46	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.41	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 220803498
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.5	mmHg		n-Heptane	0.04	0.62	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.63	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.17	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.34	ppbv	V0
1-Butene/Isobutylene	0.06	0.46	ppbv	V0	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.41	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.62	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	0.30	ppbv	V0
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.22	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.40	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.28	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.6	ppbv	V0					
Acetone	0.40	12.80	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.50	ppbv	V0					
Ethylbenzene	0.03	0.38	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	1.40	ppbv	V0					
Isopropylalcohol	0.30	1.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.50	ppbv	V0					
Methanol	0.5	17.0	ppbv	V0					
Methylcyclohexane	0.02	0.27	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
n-Butane	0.02	0.78	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803511
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.60	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.46	ppbv	V0	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.61	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	0.30	ppbv	V0
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.4	ppbv	V0					
Acetone	0.40	9.60	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	24.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	1.29	ppbv	V0					
Isoprene	0.02	1.20	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
n-Butane	0.02	1.00	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Hills		Samp Use: Exposure	Loc ID: FTHL	WBEA ID: 220803494
Start Date: 2022-08-09 00:00		End Date: 2022-08-10 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.9	mmHg		n-Heptane	0.04	0.63	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.20	ppbv	V0	n-Hexane	0.03	0.70	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.17	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.36	ppbv	V0
1-Butene/Isobutylene	0.06	0.51	ppbv	V0	n-Pentane	0.04	0.68	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.20	ppbv	V0	o-Xylene	0.03	0.42	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.30	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.53	ppbv	V0	Toluene	0.03	0.69	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.49	ppbv	V0					
3-Methyl-1-butene	0.02	1.06	ppbv	V4					
3-Methylheptane	0.03	0.27	ppbv	V0					
3-Methylhexane	0.02	0.27	ppbv	V0					
3-Methylpentane	0.02	0.30	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	13.3	ppbv	V0					
Acetone	0.40	21.60	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.66	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	293.00	ppbv	V4					
Ethylbenzene	0.03	0.39	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.23	ppbv	V0					
Isopentane	0.04	6.50	ppbv	V4					
Isoprene	0.02	0.55	ppbv	V0					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.53	ppbv	V0					
Methanol	0.5	17.5	ppbv	V0					
Methylcyclohexane	0.02	0.29	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.60	ppbv	V0					
n-Butane	0.02	2.11	ppbv	V0					
n-Decane	0.06	0.22	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Janvier		Samp Use: Exposure	Loc ID: JANV	WBEA ID: 220803525
Start Date: 2022-08-09 00:00		End Date: 2022-08-10 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.60	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.49	ppbv	V0	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.60	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.5	ppbv	V0					
Acetone	0.40	10.10	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	24.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	2.13	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803603
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

Power outage(78120/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.02	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	46.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	1.62	ppbv	V0					
Isopropylalcohol	0.30	2.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	15.4	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	1.00	ppbv	V0					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220803602
Start Date:	2022-08-14 16:50	End Date:	2022-08-14 16:51	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803548
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	10.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	1.92	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.05	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.90	ppbv	V0					
n-Butane	0.02	0.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803554
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.2	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	4.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.2	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	1.00	ppbv	V0					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803594
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.25	ppbv	V0	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.13	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.02	ppbv	V0	trans-2-Pentene	0.02	0.02	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.80	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.13	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	1.21	ppbv	V0					
Isopropylalcohol	0.30	2.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	29.7	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
Methylethylketone	0.30	0.60	ppbv	V0					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	1.00	ppbv	V0					
n-Butane	0.02	0.45	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220803561
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.6	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.02	ppbv	V0					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.05	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	2.71	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.7	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	1.00	ppbv	V0					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID: 220803542
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.6	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.25	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	0.08	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	0.21	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.72	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.7	ppbv	V0					
Acetone	0.40	6.30	ppbv	V0					
alpha-Pinene	0.30	0.60	ppbv	V0					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	45.10	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	1.89	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.51	ppbv	V0					
Methanol	0.5	7.9	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.80	ppbv	V0					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803580
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.0	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.04	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	1.46	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.6	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.90	ppbv	V0					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220803553
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.3	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.07	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	2.46	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.3	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.90	ppbv	V0					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220803562
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.3	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.6	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	2.73	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.9	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.90	ppbv	V0					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803586
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.10	ppbv	V0					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	1.33	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.3	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.80	ppbv	V0					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803644
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	0.91	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.80	ppbv	V0					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803653
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.2	mmHg		n-Heptane	0.04	0.28	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.26	ppbv	V0	n-Hexane	0.03	0.51	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.15	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.31	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.10	ppbv	V0					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	0.03	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.2	ppbv	V0					
Acetone	0.40	3.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.50	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.06	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	1.05	ppbv	V0					
Isopropylalcohol	0.30	1.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.25	ppbv	V0					
Methanol	0.5	9.5	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.22	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.80	ppbv	V0					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803631
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.03	ppbv	V0					
Isopentane	0.04	0.08	ppbv	V0					
Isoprene	0.02	1.75	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.90	ppbv	V0					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220803632
Start Date:	2022-08-16 09:45	End Date:	2022-08-16 09:46	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803633
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.19	ppbv	V0	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.30	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.03	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	2.94	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.90	ppbv	V0					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803668
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.6	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.03	ppbv	V0					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.06	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	0.76	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	13.8	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	1.40	ppbv	V0					
Methylvinylketone	0.30	0.80	ppbv	V0					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803874
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		703.7	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.04	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.05	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.41	ppbv	V0					
Isoprene	0.02	1.04	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.04	ppbv	V0					
Methanol	0.5	12.2	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220803649
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	1.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.36	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.33	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.4	ppbv	V0					
Acetone	0.40	6.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.22	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.09	ppbv	V0					
Isopentane	0.04	0.96	ppbv	V0					
Isoprene	0.02	1.54	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	18.5	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.16	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220803691	
Start Date: 2022-08-21 00:00	End Date: 2022-08-22 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.66	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.16	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.18	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.09	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.14	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	1.56	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	10.5	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.16	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220804153
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		697.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	1.82	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220803660
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.46	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.4	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.08	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	1.35	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.4	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803648
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.13	ppbv	V0	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.69	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	13.30	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.09	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.74	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	18.5	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220803672
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

Short sampling duration due to brief power failure.(86322/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.81	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.18	ppbv	V0	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.23	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.8	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.16	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.07	ppbv	V0					
Isopentane	0.04	0.64	ppbv	V0					
Isoprene	0.02	2.57	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.0	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.80	ppbv	V0					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Janvier		Samp Use: Field Procedure Blank	Loc ID: JANV	WBEA ID: 220804193
Start Date: 2022-08-23 14:20		End Date: 2022-08-23 14:21		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.57	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	1.57	ppbv	V0	n-Pentane	0.04	0.65	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.28	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.13	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.10	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	3.43	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803958
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.7	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.60	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.09	ppbv	V0					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	0.03	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.26	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	0.62	ppbv	V0					
Isopropylalcohol	0.30	2.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	11.1	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.36	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220804201
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	1.86	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.24	ppbv	V0	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.44	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.68	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.19	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.31	ppbv	V0					
Cyclopentane	0.02	0.17	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	20.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	1.19	ppbv	V0					
Isoprene	0.02	0.82	ppbv	V0					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.0	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	0.48	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220804197
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.35	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.60	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.37	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	11.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.06	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220804194
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		704.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	2.73	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	0.40	ppbv	V0
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.30	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.68	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.7	ppbv	V0					
Acetone	0.40	3.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.22	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.42	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.05	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	1.88	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	10.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.69	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220804233
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.85	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.50	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.30	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	12.2	ppbv	V0					
Acetone	0.40	10.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.29	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.24	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	15.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.98	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	0.98	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.24	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.36	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220904324	
Start Date: 2022-09-01 12:15	End Date: 2022-09-01 12:16	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220804244
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.39	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.1	ppbv	V0					
Acetone	0.40	8.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.01	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.91	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803439
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.2	ppbv	V0					
Acetone	0.40	4.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	0.41	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	22.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803491
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Power outage resulted in a short sampling duration.(82443/86400)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.9	mmHg		n-Heptane	0.04	0.44	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.26	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.90	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.18	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	0.22	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.47	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.81	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	6.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	13.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.70	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	0.48	ppbv	V0					
Isopropylalcohol	0.30	3.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803601
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.85	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.28	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.3	ppbv	V0					
Acetone	0.40	7.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.27	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	20.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.11	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	1.10	ppbv	V0					
Isopropylalcohol	0.30	1.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.31	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.43	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Chipewyan		Samp Use: Exposure	Loc ID: FTCH	WBEA ID: 220803619
Start Date: 2022-08-21 00:00		End Date: 2022-08-22 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	6.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.30	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.77	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.33	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	22.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Chipewyan		Samp Use: Exposure	Loc ID: FTCH	WBEA ID: 220803957
Start Date: 2022-08-27 00:00		End Date: 2022-08-28 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.42	ppbv	V0	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.26	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.4	ppbv	V0					
Acetone	0.40	12.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.50	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	8.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.71	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	1.20	ppbv	V0					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703307
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		22.0	°C		n-Dodecane	0.30	< 0.3	ppbv	
Pressure		735.0	mmHg		n-Heptane	0.04	< 0.04	ppbv	
1,2,4-Trimethylbenzene	0.03	< 0.03	ppbv		n-Hexane	0.03	0.27	ppbv	
1,3,5-Trimethylbenzene	0.03	< 0.03	ppbv		n-Nonane	0.04	< 0.04	ppbv	
1,3-Butadiene	0.03	< 0.03	ppbv		n-Octane	0.02	< 0.02	ppbv	
1-Butene/Isobutylene	0.06	0.20	ppbv		n-Pentane	0.04	0.55	ppbv	
1-Hexene/2-Methyl-1-pentene	0.07	< 0.07	ppbv		n-Propylbenzene	0.06	< 0.06	ppbv	
1-Pentene	0.03	0.14	ppbv		n-Undecane	0.50	< 0.5	ppbv	
2,2,4-Trimethylpentane	0.02	< 0.02	ppbv		Naphthalene	0.30	< 0.3	ppbv	
2,2-Dimethylbutane	0.02	< 0.02	ppbv		o-Xylene	0.03	< 0.03	ppbv	
2,3,4-Trimethylpentane	0.02	< 0.02	ppbv		Styrene	0.04	< 0.04	ppbv	
2,3-Dimethylbutane	0.09	< 0.09	ppbv		Toluene	0.03	0.24	ppbv	
2,3-Dimethylpentane	0.02	< 0.02	ppbv		trans-2-Butene	0.03	< 0.03	ppbv	
2,4-Dimethylpentane	0.03	< 0.03	ppbv		trans-2-Hexene	0.20	< 0.2	ppbv	
2-Methyl-2-butene	0.02	< 0.02	ppbv		trans-2-Pentene	0.02	< 0.02	ppbv	
2-Methylheptane	0.02	< 0.02	ppbv						
2-Methylhexane	0.03	< 0.03	ppbv						
2-Methylpentane	0.02	< 0.02	ppbv						
3-Methyl-1-butene	0.02	< 0.02	ppbv						
3-Methylheptane	0.03	< 0.03	ppbv						
3-Methylhexane	0.02	< 0.02	ppbv						
3-Methylpentane	0.02	0.19	ppbv						
4-Methyl-1-pentene	0.03	< 0.03	ppbv						
Acetaldehyde	0.5	15.3	ppbv						
Acetone	0.40	14.10	ppbv						
alpha-Pinene	0.30	< 0.3	ppbv						
Benzene	0.03	0.20	ppbv						
beta-Pinene	0.40	< 0.4	ppbv						
cis-2-Butene	0.03	< 0.03	ppbv						
cis-2-Hexene	0.02	< 0.02	ppbv						
cis-2-Pentene	0.02	< 0.02	ppbv						
Cyclohexane	0.04	< 0.04	ppbv						
Cyclopentane	0.02	< 0.02	ppbv						
Cyclopentene	0.02	< 0.02	ppbv						
Ethanol	0.50	19.80	ppbv						
Ethylbenzene	0.03	< 0.03	ppbv						
Formaldehyde	1	< 0.5	ppbv						
Isobutane	0.03	2.66	ppbv						
Isopentane	0.04	0.81	ppbv						
Isoprene	0.02	2.31	ppbv						
Isopropylalcohol	0.30	1.60	ppbv						
Isopropylbenzene	0.04	< 0.04	ppbv						
m,p-Xylene	0.04	< 0.04	ppbv						
Methanol	0.5	33.3	ppbv						
Methylcyclohexane	0.02	< 0.02	ppbv						
Methylcyclopentane	0.05	< 0.05	ppbv						
Methylethylketone	0.30	< 0.3	ppbv						
Methylisobutylketone	0.30	< 0.3	ppbv						
Methylvinylketone	0.30	< 0.3	ppbv						
n-Butane	0.02	0.87	ppbv						
n-Decane	0.06	< 0.06	ppbv						



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220803485
Start Date:	2022-08-05 15:25	End Date:	2022-08-05 15:26	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220804240
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	15.40	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.57	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.25	ppbv	V0	Toluene	0.03	0.55	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.26	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	1.23	ppbv	V4					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	3.12	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	11.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.28	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	1.76	ppbv	V4					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	47.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.91	ppbv	V0					
Isopentane	0.04	1.00	ppbv	V0					
Isoprene	0.02	1.09	ppbv	V0					
Isopropylalcohol	0.30	1.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	3.16	ppbv	V4					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803965
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		20.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.36	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.21	ppbv	V0
1-Butene/Isobutylene	0.06	0.24	ppbv	V0	n-Pentane	0.04	1.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.15	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.23	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	18.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.36	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.88	ppbv	V0					
Isopentane	0.04	1.52	ppbv	V0					
Isoprene	0.02	0.85	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.18	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904367
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	11.30	ppbv	V4
1,3,5-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.22	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	0.19	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.86	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	2.37	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	102.0	ppbv	V4					
Acetone	0.40	42.70	ppbv	V4					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	1.05	ppbv	V4					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	143.00	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.38	ppbv	V0					
Isopentane	0.04	1.24	ppbv	V0					
Isoprene	0.02	0.29	ppbv	V0					
Isopropylalcohol	0.30	2.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	282.0	ppbv	V4					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	2.19	ppbv	V4					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.91	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904375
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.36	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	0.12	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.20	ppbv	V0	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.07	ppbv	V0
1-Pentene	0.03	0.25	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.05	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.12	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	23.1	ppbv	V0					
Acetone	0.40	10.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.04	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	11.80	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.68	ppbv	V0					
Isopentane	0.04	1.00	ppbv	V0					
Isoprene	0.02	0.30	ppbv	V0					
Isopropylalcohol	0.30	3.00	ppbv	V0					
Isopropylbenzene	0.04	0.07	ppbv	V0					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	22.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220904345
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.04	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	12.5	ppbv	V0					
Acetone	0.40	5.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.71	ppbv	V0					
Isoprene	0.02	0.38	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	26.0	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904325
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.4	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.19	ppbv	V0	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.07	ppbv	V0
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	0.05	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.06	ppbv	V0					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	24.2	ppbv	V0					
Acetone	0.40	8.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.03	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	0.03	ppbv	V0					
Ethanol	0.50	8.60	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.82	ppbv	V0					
Isopentane	0.04	1.67	ppbv	V0					
Isoprene	0.02	3.36	ppbv	V0					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	42.1	ppbv	V0					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220904394
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.17	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.34	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.08	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.03	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	11.4	ppbv	V0					
Acetone	0.40	5.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.30	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	0.39	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.07	ppbv	V0					
m,p-Xylene	0.04	0.18	ppbv	V0					
Methanol	0.5	29.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Ells River		Samp Use: Exposure	Loc ID: ELSR	WBEA ID: 220904329
Start Date: 2022-09-02 00:00		End Date: 2022-09-03 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.07	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.7	ppbv	V0					
Acetone	0.40	6.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	0.05	ppbv	V0					
Ethanol	0.50	5.00	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.96	ppbv	V0					
Isoprene	0.02	2.07	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	42.2	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904417
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.1	ppbv	V0					
Acetone	0.40	5.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	0.86	ppbv	V0					
Isoprene	0.02	0.35	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220904333
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.1	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	0.63	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.07	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.05	ppbv	V0					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.26	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	41.4	ppbv	V0					
Acetone	0.40	9.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	17.60	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.14	ppbv	V0					
Isopentane	0.04	1.64	ppbv	V0					
Isoprene	0.02	3.81	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	76.6	ppbv	V0					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.23	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.82	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220904421
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	24.1	ppbv	V0					
Acetone	0.40	6.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	9.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.50	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	60.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904386
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.5	ppbv	V0					
Acetone	0.40	5.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	0.29	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	19.5	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Patricia McInnes		Samp Use: Field Procedure Blank	Loc ID: PATM	WBEA ID: 220904387
Start Date: 2022-09-07 07:40		End Date: 2022-09-07 07:41		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220804279
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	4.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.08	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.39	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.96	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	34.4	ppbv	V0					
Acetone	0.40	15.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.48	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	17.80	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.69	ppbv	V0					
Isopentane	0.04	0.72	ppbv	V0					
Isoprene	0.02	2.27	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	107.0	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.92	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.98	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Athabasca Valley		Samp Use: Exposure	Loc ID: ATHV	WBEA ID: 220804286
Start Date: 2022-09-02 00:00		End Date: 2022-09-03 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.37	ppbv	V0	n-Hexane	0.03	0.58	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.12	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.25	ppbv	V0	n-Pentane	0.04	0.56	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.07	ppbv	V0
1-Pentene	0.03	0.41	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	0.05	ppbv	V0
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	0.06	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	0.07	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.22	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	48.5	ppbv	V0					
Acetone	0.40	12.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.05	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.04	ppbv	V0					
Cyclohexane	0.04	0.09	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	0.03	ppbv	V0					
Ethanol	0.50	117.00	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.18	ppbv	V0					
Isopentane	0.04	2.25	ppbv	V0					
Isoprene	0.02	2.13	ppbv	V0					
Isopropylalcohol	0.30	5.60	ppbv	V0					
Isopropylbenzene	0.04	0.07	ppbv	V0					
m,p-Xylene	0.04	0.12	ppbv	V0					
Methanol	0.5	63.5	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.19	ppbv	V0					
Methylethylketone	0.30	0.60	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	4.68	ppbv	V4					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220804292
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.8	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.22	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.07	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.10	ppbv	V0					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	26.5	ppbv	V0					
Acetone	0.40	6.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.20	ppbv	V0					
Ethylbenzene	0.03	0.13	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.51	ppbv	V0					
Isopentane	0.04	0.65	ppbv	V0					
Isoprene	0.02	3.34	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	0.07	ppbv	V0					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	33.2	ppbv	V0					
Methylcyclohexane	0.02	0.20	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220804265
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.02	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	14.6	ppbv	V0					
Acetone	0.40	7.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.30	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.65	ppbv	V0					
Isoprene	0.02	1.22	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	87.3	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.72	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Hills		Samp Use: Exposure	Loc ID: FTHL	WBEA ID: 220804291
Start Date: 2022-09-02 00:00		End Date: 2022-09-03 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.32	ppbv	V0	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.12	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.07	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.47	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.02	ppbv	V0					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	13.3	ppbv	V0					
Acetone	0.40	7.10	ppbv	V0					
alpha-Pinene	0.30	0.40	ppbv	V0					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	22.90	ppbv	V0					
Ethylbenzene	0.03	0.14	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.85	ppbv	V0					
Isoprene	0.02	2.77	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	24.6	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.50	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Janvier		Samp Use: Exposure	Loc ID: JANV	WBEA ID: 220804266
Start Date: 2022-09-02 00:00		End Date: 2022-09-03 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	64.9	ppbv	V4					
Acetone	0.40	9.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	0.02	ppbv	V0					
Ethanol	0.50	5.70	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.02	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	3.55	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	43.2	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904299
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.32	ppbv	V0	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.12	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.07	ppbv	V0
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.47	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.02	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.0	ppbv	V0					
Acetone	0.40	3.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	16.30	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	1.83	ppbv	V0					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	0.07	ppbv	V0					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	17.5	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904348
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	1.70	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.39	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.0	ppbv	V0					
Acetone	0.40	2.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	9.30	ppbv	V0					
Ethylbenzene	0.03	0.11	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	0.26	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	0.07	ppbv	V0					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	12.8	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.41	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904344
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.31	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	0.07	ppbv	V0
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.02	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	16.1	ppbv	V0					
Acetone	0.40	7.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	21.70	ppbv	V0					
Ethylbenzene	0.03	0.12	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.31	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	23.9	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904357
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	25.0	ppbv	V0					
Acetone	0.40	5.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.38	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	35.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220904432
Start Date:	2022-09-09 09:10	End Date:	2022-09-09 09:11	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	0.07	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.02	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220904454
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.36	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	5.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	15.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	1.28	ppbv	V0					
Isoprene	0.02	1.09	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	24.3	ppbv	V0					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904430
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	5.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	1.34	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	21.0	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220904440
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	6.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	1.05	ppbv	V0					
Isoprene	0.02	1.34	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	26.8	ppbv	V0					
Methylcyclohexane	0.02	0.21	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904422
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	0.28	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	20.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904433
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.20	ppbv	V0	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.8	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	0.39	ppbv	V0					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	7.1	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.60	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220904472
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.11	ppbv	V0					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.76	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	4.2	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.11	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904483
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		710.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.25	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.35	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.3	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904475
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.8	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.04	ppbv	V0
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.19	ppbv	V0	o-Xylene	0.03	0.09	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.05	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.38	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	0.50	ppbv	V0					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.48	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.50	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.09	ppbv	V0					
Isopentane	0.04	0.82	ppbv	V0					
Isoprene	0.02	0.74	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.21	ppbv	V0					
Methanol	0.5	3.9	ppbv	V0					
Methylcyclohexane	0.02	0.21	ppbv	V0					
Methylcyclopentane	0.05	0.25	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220904490
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.13	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	0.23	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.40	ppbv	V0					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904448
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.02	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	0.20	ppbv	V0					
Isoprene	0.02	0.43	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.31	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904579
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.37	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	0.08	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	16.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.10	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904566
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.16	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.36	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	4.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.36	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220904529
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.74	ppbv	V0					
Isopentane	0.04	0.53	ppbv	V0					
Isoprene	0.02	0.24	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.5	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.09	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904517
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	0.22	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.1	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904555
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	1.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	0.06	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.22	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904521
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		8.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.06	ppbv	V0					
Isoprene	0.02	0.25	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.7	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904528
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.48	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	4.8	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220904524
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	0.18	ppbv	V0					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.2	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904567
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	0.10	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.4	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904553
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	5.61	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.41	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.10	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.36	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	1.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.72	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	0.09	ppbv	V0					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	1.36	ppbv	V4					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904669
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.4	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.09	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	0.13	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.4	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Chipewyan		Samp Use: Exposure	Loc ID: FTCH	WBEA ID: 220804245
Start Date: 2022-09-02 00:00		End Date: 2022-09-03 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.5	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	31.1	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.03	ppbv	V0					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.47	ppbv	V0					
Isopentane	0.04	0.18	ppbv	V0					
Isoprene	0.02	0.59	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	37.9	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Fort Chipewyan	Loc ID: FTCH	WBEA ID: 220904341	Duration: 24.0 hr
Start Date: 2022-09-08 00:00	End Date: 2022-09-09 00:00		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.0	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.09	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.06	ppbv	V0	trans-2-Pentene	0.02	0.04	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.5	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	0.03	ppbv	V0					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.04	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.10	ppbv	V0					
Isoprene	0.02	0.18	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	26.1	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.60	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904489
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.9	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.7	ppbv	V0					
Acetone	0.40	4.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	0.42	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	14.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904539
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.0	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.04	ppbv	V0					
Isoprene	0.02	0.11	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220904611
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.7	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.03	ppbv	V0					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	0.07	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.1	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Fort Chipewyan		Loc ID: FTCH	WBEA ID: 220904538
Start Date: 2022-09-16 16:30		End Date: 2022-09-16 16:31	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	8.90	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.59	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.13	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	1.63	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	1.04	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	18.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	0.07	ppbv	V0					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.1	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	1.88	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.32	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	0.05	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904675
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.2	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	0.08	ppbv	V0
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	2.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	0.28	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.8	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904687
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.0	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.8	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.10	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.21	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	27.1	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220904686
Start Date:	2022-09-23 14:45	End Date:	2022-09-23 14:46	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.02	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904656
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.25	ppbv	V0	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	0.17	ppbv	V0	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.14	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.9	ppbv	V0					
Acetone	0.40	3.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.08	ppbv	V0					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.60	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.70	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	0.27	ppbv	V0					
Isopropylalcohol	0.30	1.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.19	ppbv	V0					
Methanol	0.5	10.0	ppbv	V0					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.78	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID: 220904650
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	0.22	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	24.0	ppbv	V0					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.31	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220904581	
Start Date: 2022-09-26 00:00	End Date: 2022-09-27 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.2	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.13	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.07	ppbv	V0					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.33	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	0.35	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	6.5	ppbv	V0					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.18	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220904706
Start Date:	2022-09-27 12:15	End Date:	2022-09-27 12:16	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.02	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904601
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.8	mmHg		n-Heptane	0.04	0.19	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.19	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.14	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.30	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	6.0	ppbv	V0					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904619
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.2	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.65	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.17	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	0.22	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	6.9	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	0.18	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.10	ppbv	V0					
Ethylbenzene	0.03	0.08	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.89	ppbv	V0					
Isoprene	0.02	0.28	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.16	ppbv	V0					
Methanol	0.5	8.7	ppbv	V0					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220904612
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.8	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.13	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	0.22	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	10.3	ppbv	V0					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904662
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.5	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.18	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	16.4	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904694
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	2.80	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.61	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.51	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.7	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.21	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	0.03	ppbv	V0					
Isopropylalcohol	0.30	10.20	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.85	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.50	ppbv	V0					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221004828
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	7.3	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	0.02	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221004901
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

Long sampling duration due to clock malfunction caused by power outage. (86460/86400 seconds)

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.05	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221005023
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		9.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.06	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	13.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.16	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221005191
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.10	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904738
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.4	mmHg		n-Heptane	0.04	0.16	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.24	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.07	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.16	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.0	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	19.3	ppbv	V0					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220904747
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.2	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.00	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.12	ppbv	V0					
Methanol	0.5	8.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.13	ppbv	V0					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904707
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	11.7	ppbv	V0					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904716
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.09	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.4	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.70	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.94	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	10.3	ppbv	V0					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904713
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		718.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	2.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.80	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.49	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	0.19	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	12.4	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.41	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904725
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.36	ppbv	V0					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.12	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.31	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	220904726
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.14	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.10	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.84	ppbv	V0					
Isopentane	0.04	0.50	ppbv	V0					
Isoprene	0.02	0.17	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	8.0	ppbv	V0					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904762
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	0.18	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.07	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.06	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.08	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.43	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	0.90	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	10.2	ppbv	V0					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.17	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Ells River		Samp Use: Exposure	Loc ID: ELSR	WBEA ID: 220904729
Start Date: 2022-10-02 00:00		End Date: 2022-10-03 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.2	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.39	ppbv	V0
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.06	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.07	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.11	ppbv	V0					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.36	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	5.9	ppbv	V0					
Methylcyclohexane	0.02	0.24	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Fort McKay South	Loc ID: FMCS	WBEA ID: 220904741	
Start Date: 2022-10-02 00:00	End Date: 2022-10-03 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.3	mmHg		n-Heptane	0.04	0.14	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.06	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.12	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	0.20	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	6.8	ppbv	V0					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.32	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Athabasca Valley		Samp Use: Exposure	Loc ID: ATHV	WBEA ID: 221004791
Start Date: 2022-10-08 00:00		End Date: 2022-10-09 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.30	ppbv	V0	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	0.06	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.18	ppbv	V0	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.20	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.14	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.21	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.10	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.12	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.12	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.8	ppbv	V0					
Acetone	0.40	4.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.13	ppbv	V0					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.40	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.33	ppbv	V0					
Isopentane	0.04	0.63	ppbv	V0					
Isoprene	0.02	0.19	ppbv	V0					
Isopropylalcohol	0.30	1.20	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.34	ppbv	V0					
Methanol	0.5	16.0	ppbv	V0					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.90	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221004832
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.1	mmHg		n-Heptane	0.04	0.39	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.43	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.14	ppbv	V0
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	0.17	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.20	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.15	ppbv	V0					
3-Methylhexane	0.02	0.25	ppbv	V0					
3-Methylpentane	0.02	0.21	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	10.7	ppbv	V0					
Acetone	0.40	3.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.26	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.01	ppbv	V0					
Isopentane	0.04	0.79	ppbv	V0					
Isoprene	0.02	0.23	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	14.7	ppbv	V0					
Methylcyclohexane	0.02	0.26	ppbv	V0					
Methylcyclopentane	0.05	0.24	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.00	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 221004869	
Start Date: 2022-10-08 00:00	End Date: 2022-10-09 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.1	mmHg		n-Heptane	0.04	0.33	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.39	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	0.22	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.58	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.13	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.17	ppbv	V0	Toluene	0.03	0.30	ppbv	V0
2,3-Dimethylpentane	0.02	0.17	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.10	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.16	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.21	ppbv	V0					
3-Methylpentane	0.02	0.23	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.9	ppbv	V0					
Acetone	0.40	3.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.12	ppbv	V0					
Cyclohexane	0.04	0.27	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.40	ppbv	V0					
Ethylbenzene	0.03	0.20	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.00	ppbv	V0					
Isopentane	0.04	1.39	ppbv	V0					
Isoprene	0.02	0.22	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.31	ppbv	V0					
Methanol	0.5	13.3	ppbv	V0					
Methylcyclohexane	0.02	0.25	ppbv	V0					
Methylcyclopentane	0.05	0.24	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Ells River		Samp Use: Exposure	Loc ID: ELSR	WBEA ID: 221004848
Start Date: 2022-10-08 00:00		End Date: 2022-10-09 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.9	mmHg		n-Heptane	0.04	0.30	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.23	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.14	ppbv	V0					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.17	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.3	ppbv	V0					
Acetone	0.40	2.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.25	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	0.24	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	8.3	ppbv	V0					
Methylcyclohexane	0.02	0.23	ppbv	V0					
Methylcyclopentane	0.05	0.19	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	0.10	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Hills		Samp Use: Exposure	Loc ID: FTHL	WBEA ID: 221004831
Start Date: 2022-10-08 00:00		End Date: 2022-10-09 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	0.27	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.20	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.25	ppbv	V0	o-Xylene	0.03	0.19	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.17	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.26	ppbv	V0	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	0.17	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.13	ppbv	V0					
3-Methylhexane	0.02	0.17	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.3	ppbv	V0					
Acetone	0.40	3.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.30	ppbv	V0					
Cyclopentane	0.02	0.13	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	0.21	ppbv	V0					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	1.73	ppbv	V0					
Isopentane	0.04	1.23	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.32	ppbv	V0					
Methanol	0.5	17.0	ppbv	V0					
Methylcyclohexane	0.02	0.21	ppbv	V0					
Methylcyclopentane	0.05	0.20	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.82	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221004851
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.2	mmHg		n-Heptane	0.04	0.33	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.34	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.24	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.40	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	0.18	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.16	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.16	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.15	ppbv	V0					
3-Methylhexane	0.02	0.22	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.28	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	0.83	ppbv	V0					
Isopentane	0.04	0.82	ppbv	V0					
Isoprene	0.02	0.24	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	9.2	ppbv	V0					
Methylcyclohexane	0.02	0.26	ppbv	V0					
Methylcyclopentane	0.05	0.22	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.86	ppbv	V0					
n-Decane	0.06	0.11	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004797
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.12	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.15	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.11	ppbv	V0	Toluene	0.03	0.21	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.09	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.2	ppbv	V0					
Acetone	0.40	3.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.12	ppbv	V0					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.10	ppbv	V0					
Ethylbenzene	0.03	0.19	ppbv	V0					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	0.86	ppbv	V0					
Isopentane	0.04	0.50	ppbv	V0					
Isoprene	0.02	0.19	ppbv	V0					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	15.6	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004785
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.33	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.14	ppbv	V0	trans-2-Pentene	0.02	0.09	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.0	ppbv	V0					
Acetone	0.40	2.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.12	ppbv	V0					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	0.66	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	0.20	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	17.8	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.74	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004811
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		713.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	0.10	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.15	ppbv	V0	trans-2-Pentene	0.02	0.09	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.4	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	0.30	ppbv	V0					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.12	ppbv	V0					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	0.26	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.5	ppbv	V0					
Methylcyclohexane	0.02	0.14	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.56	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 221004822
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.08	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	0.19	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.8	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 221004821
Start Date:	2022-10-04 14:35	End Date:	2022-10-04 14:36	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 221004952	
Start Date: 2022-10-14 00:00	End Date: 2022-10-15 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.0	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.14	ppbv	V0	Toluene	0.03	0.24	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.13	ppbv	V0					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.50	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	6.0	ppbv	V0					
Methylcyclohexane	0.02	0.18	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221004928
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.9	mmHg		n-Heptane	0.04	0.24	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.13	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.20	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.16	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.13	ppbv	V0					
3-Methylhexane	0.02	0.13	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.23	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.62	ppbv	V0					
Isopentane	0.04	0.58	ppbv	V0					
Isoprene	0.02	0.17	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.30	ppbv	V0					
Methanol	0.5	3.6	ppbv	V0					
Methylcyclohexane	0.02	0.18	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221004924
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Heptane	0.04	0.26	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.17	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.15	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.13	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.13	ppbv	V0					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.15	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	0.16	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.28	ppbv	V0					
Methanol	0.5	4.3	ppbv	V0					
Methylcyclohexane	0.02	0.18	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	0.10	ppbv	V0					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004921
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.8	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.10	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.13	ppbv	V0	o-Xylene	0.03	0.16	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.12	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	1	ppbv	V0					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.40	ppbv	V0					
Isoprene	0.02	0.15	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.27	ppbv	V0					
Methanol	0.5	5.5	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221004902
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.43	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.02	ppbv	V0					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	0.02	ppbv	V0					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.7	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Field Procedure Blank	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 221004951	
Start Date: 2022-10-13 13:15	End Date: 2022-10-13 13:16	Duration: 0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Hills		Samp Use: Exposure	Loc ID: FTHL	WBEA ID: 221004899
Start Date: 2022-10-14 00:00		End Date: 2022-10-15 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.5	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.06	ppbv	V0					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.8	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.60	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	0.04	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	8.0	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004892
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	2.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.20	ppbv	V0					
Cyclopentane	0.02	0.14	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.73	ppbv	V0					
Isopentane	0.04	2.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004878
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		702.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.9	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.50	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004885
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.21	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.31	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.12	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.11	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.40	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.46	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay		Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 221004990
Start Date: 2022-10-20 00:00		End Date: 2022-10-21 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221004972
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221004968
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.1	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.11	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.11	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 221004964
Start Date:	2022-10-17 10:20	End Date:	2022-10-17 10:21	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005017
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.1	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221004909
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

VOC cannister didn't run on previous NAPS day, previous week's canister reused for this cycle

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.12	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.11	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	8.2	ppbv	V0					
Acetone	0.40	8.70	ppbv	V4					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.36	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	9.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.30	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221005030
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.30	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005004
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		701.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.08	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221005029
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.5	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.24	ppbv	V0					
Isopentane	0.04	0.68	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	6.5	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.22	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005010
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.14	ppbv	V0					
Isopentane	0.04	0.05	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.12	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Patricia McInnes		Samp Use: Exposure	Loc ID: PATM	WBEA ID: 221004965
Start Date: 2022-10-20 00:00		End Date: 2022-10-21 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.06	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	10.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005234
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.56	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.3	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.48	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.04	ppbv	V0					
Methanol	0.5	6.1	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	0.30	ppbv	V0					
n-Butane	0.02	0.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Index: 1	
Sample Type:	VOC Canister	Samp Use:	Exposure	WBEA ID:	221005237
Location:	Barge Landing	Loc ID:	BARG	Duration:	24.0 hr
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		6.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.1	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	4.6	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.50	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 221005131	Duration: 24.0 hr
Start Date: 2022-10-26 00:00	End Date: 2022-10-27 00:00			

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.6	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.10	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	2.8	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005217
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		700.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	0.02	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.2	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.70	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221005083
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.02	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.8	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.44	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort Hills		Samp Use: Exposure	Loc ID: FTHL	WBEA ID: 221005229
Start Date: 2022-10-26 00:00		End Date: 2022-10-27 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.9	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.03	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.07	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.16	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.7	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.36	ppbv	V0					
Isopentane	0.04	0.42	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.12	ppbv	V0					
Methanol	0.5	3.7	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.53	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221005079
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.7	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.24	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.17	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.6	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	0.02	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	4.7	ppbv	V0					
Methylcyclohexane	0.02	0.22	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.45	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005225
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.8	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.39	ppbv	V0					
Isopentane	0.04	0.37	ppbv	V0					
Isoprene	0.02	0.05	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.6	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.69	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221005209
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

Canister did not come with a tag from the lab.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.24	ppbv	V0	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.1	ppbv	V0					
Acetone	0.40	2.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.32	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.15	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.74	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 221005208
Start Date:	2022-10-24 15:10	End Date:	2022-10-24 15:11	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.44	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.63	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.49	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.8	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.67	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.13	ppbv	V0					
Methanol	0.5	2.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.18	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.82	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221005197
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	0.02	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.5	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Athabasca Valley		Samp Use: Exposure	Loc ID: ATHV	WBEA ID: 221005309
Start Date: 2022-11-01 00:00		End Date: 2022-11-02 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.18	ppbv	V0	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.12	ppbv	V0					
Methanol	0.5	6.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005275
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		706.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.08	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221005303
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.15	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005291
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.02	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.36	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221005247
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.13	ppbv	V0					
Isopentane	0.04	0.45	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005274
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.72	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.77	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221005278
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.58	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.03	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.67	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221005241
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	1.52	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort McKay South		Samp Use: Exposure	Loc ID: FMCS	WBEA ID: 221005284
Start Date: 2022-11-01 00:00		End Date: 2022-11-02 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		0.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.9	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.43	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005250
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		714.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.12	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 221105363
Start Date:	2022-11-02 13:30	End Date:	2022-11-02 13:31	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105394
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		756.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.14	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.03	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.41	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.00	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	7.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.56	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Barge Landing	Samp Use:	Exposure	WBEA ID: 221105411
Start Date:	2022-11-07 00:00	Loc ID:	BARG	Duration: 24.0 hr
		End Date:	2022-11-08 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		747.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.60	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.17	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.42	ppbv	V0					
Isopentane	0.04	0.71	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105386
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		752.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.72	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.73	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Ells River	Loc ID: ELSR	WBEA ID: 221105337	Duration: 24.0 hr
Start Date: 2022-11-07 00:00	End Date: 2022-11-08 00:00		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		751.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.28	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.4	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105410
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		752.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.05	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.50	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221105347
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		754.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.03	ppbv	V0	n-Hexane	0.03	0.35	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.67	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.84	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.74	ppbv	V0					
Isopentane	0.04	1.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	1.10	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.23	ppbv	V0					
Methanol	0.5	12.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.56	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 221105403
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		747.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	12.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105364
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.24	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105333
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		724.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.03	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.7	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.15	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105343
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.18	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221105424
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.9	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Ells River		Samp Use: Exposure	Loc ID: ELSR	WBEA ID: 221105435
Start Date: 2022-11-13 00:00		End Date: 2022-11-14 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.17	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.41	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.2	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105429
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.3	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.13	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.69	ppbv	V0					
Isopentane	0.04	0.33	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	2.6	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221105432
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.1	mmHg		n-Heptane	0.04	0.12	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.04	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.17	ppbv	V0	n-Pentane	0.04	0.47	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.11	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.09	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.74	ppbv	V0					
Isopentane	0.04	0.42	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	3.5	ppbv	V0					
Methylcyclohexane	0.02	0.10	ppbv	V0					
Methylcyclopentane	0.05	0.08	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.81	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105500
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.17	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.41	ppbv	V0					
Isopentane	0.04	0.21	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.43	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105460
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.3	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.8	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.67	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105487
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.15	ppbv	V0	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 221105486
Start Date:	2022-11-09 11:25	End Date:	2022-11-09 11:26	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.02	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105491
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.19	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	0.19	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.42	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105473
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.14	ppbv	V0	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.54	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.58	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105556
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-5.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.36	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	7.4	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.76	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105544
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.15	ppbv	V0	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.08	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	0.03	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.0	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.02	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.67	ppbv	V0					
Isopentane	0.04	0.62	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.12	ppbv	V0					
Methanol	0.5	13.7	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221105508
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	0.11	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.04	ppbv	V0
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	0.11	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.44	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	2.7	ppbv	V0					
Methylcyclohexane	0.02	0.08	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.41	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 221105531
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.9	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.07	ppbv	V0	n-Octane	0.02	0.07	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	0.03	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.34	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.7	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.48	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105576
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.41	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105510
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.02	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.3	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.29	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105505
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.09	ppbv	V0	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.00	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.34	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221105515
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.0	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.23	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.37	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105568
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	0.28	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.39	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Janvier		Samp Use: Field Procedure Blank	Loc ID: JANV	WBEA ID: 221105567
Start Date: 2022-11-16 12:55		End Date: 2022-11-16 12:56		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.03	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.04	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105542
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.47	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.52	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105676	
Start Date:	2022-11-23 16:25	End Date:	2022-11-23 16:26	Duration:	0.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.07	ppbv	V0					
Isopentane	0.04	0.07	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.09	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 221105603
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		700.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.38	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.47	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105654
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.08	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.16	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location:	Fort McKay South	Samp Use:	Exposure	WBEA ID: 221105650
Start Date:	2022-11-25 00:00	Loc ID:	FMCS	Duration: 24.0 hr
		End Date:	2022-11-26 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.04	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.19	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105589
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.22	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.07	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.18	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.41	ppbv	V0					
Isopentane	0.04	0.42	ppbv	V0					
Isoprene	0.02	0.02	ppbv	V0					
Isopropylalcohol	0.30	0.80	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	7.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.09	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.69	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105688
Start Date:	2022-11-25 14:00	End Date:	2022-11-26 14:00	Duration:	24.0 hr

Notes

Sample did not initially start at midnight on NAPS day. Upon notice, sample was redeployed and ran for 24hrs from 14:00 MST on Nov 25th to 14:00 MST on Nov 26th.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.7	°C		n-Decane	0.06	< 0.06	ppbv	V6
Pressure		728.7	mmHg		n-Dodecane	0.30	< 0.3	ppbv	V6
1,2,4-Trimethylbenzene	0.03	0.12	ppbv	V6	n-Heptane	0.04	0.16	ppbv	V6
1,3,5-Trimethylbenzene	0.03	< 0.03	ppbv	V6	n-Hexane	0.03	0.13	ppbv	V6
1,3-Butadiene	0.03	0.04	ppbv	V6	n-Nonane	0.04	< 0.04	ppbv	V6
1-Butene/Isobutylene	0.06	0.09	ppbv	V6	n-Octane	0.02	0.09	ppbv	V6
1-Hexene/2-Methyl-1-pentene	0.07	< 0.07	ppbv	V6	n-Pentane	0.04	0.23	ppbv	V6
1-Pentene	0.03	0.07	ppbv	V6	n-Propylbenzene	0.06	< 0.06	ppbv	V6
2,2,4-Trimethylpentane	0.02	< 0.02	ppbv	V6	n-Undecane	0.50	< 0.5	ppbv	V6
2,2-Dimethylbutane	0.02	0.03	ppbv	V6	Naphthalene	0.30	< 0.3	ppbv	V6
2,3,4-Trimethylpentane	0.02	< 0.02	ppbv	V6	o-Xylene	0.03	0.07	ppbv	V6
2,3-Dimethylbutane	0.09	< 0.09	ppbv	V6	Styrene	0.04	< 0.04	ppbv	V6
2,3-Dimethylpentane	0.02	0.04	ppbv	V6	Toluene	0.03	0.12	ppbv	V6
2,4-Dimethylpentane	0.03	< 0.03	ppbv	V6	trans-2-Butene	0.03	< 0.03	ppbv	V6
2-Methyl-2-butene	0.02	< 0.02	ppbv	V6	trans-2-Hexene	0.20	< 0.2	ppbv	V6
2-Methylheptane	0.02	< 0.02	ppbv	V6	trans-2-Pentene	0.02	< 0.02	ppbv	V6
2-Methylhexane	0.03	0.07	ppbv	V6					
2-Methylpentane	0.02	< 0.02	ppbv	V6					
3-Methyl-1-butene	0.02	0.03	ppbv	V6					
3-Methylheptane	0.03	< 0.03	ppbv	V6					
3-Methylhexane	0.02	0.08	ppbv	V6					
3-Methylpentane	0.02	0.06	ppbv	V6					
4-Methyl-1-pentene	0.03	< 0.03	ppbv	V6					
Acetaldehyde	0.5	3.7	ppbv	V6					
Acetone	0.40	2.30	ppbv	V6					
alpha-Pinene	0.30	< 0.3	ppbv	V6					
Benzene	0.03	0.28	ppbv	V6					
beta-Pinene	0.40	< 0.4	ppbv	V6					
cis-2-Butene	0.03	< 0.03	ppbv	V6					
cis-2-Hexene	0.02	< 0.02	ppbv	V6					
cis-2-Pentene	0.02	< 0.02	ppbv	V6					
Cyclohexane	0.04	< 0.04	ppbv	V6					
Cyclopentane	0.02	< 0.02	ppbv	V6					
Cyclopentene	0.02	< 0.02	ppbv	V6					
Ethanol	0.50	1.60	ppbv	V6					
Ethylbenzene	0.03	< 0.03	ppbv	V6					
Formaldehyde	1	< 0.5	ppbv	V6					
Isobutane	0.03	0.43	ppbv	V6					
Isopentane	0.04	0.25	ppbv	V6					
Isoprene	0.02	< 0.02	ppbv	V6					
Isopropylalcohol	0.30	0.50	ppbv	V6					
Isopropylbenzene	0.04	< 0.04	ppbv	V6					
m,p-Xylene	0.04	0.10	ppbv	V6					
Methanol	0.5	9.4	ppbv	V6					
Methylcyclohexane	0.02	0.05	ppbv	V6					
Methylcyclopentane	0.05	0.06	ppbv	V6					
Methylethylketone	0.30	0.40	ppbv	V6					
Methylisobutylketone	0.30	< 0.3	ppbv	V6					
Methylvinylketone	0.30	< 0.3	ppbv	V6					
n-Butane	0.02	0.63	ppbv	V6					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221105612
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.2	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.11	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.3	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.10	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.17	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	VOC Canister	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221105677
Start Date:	2022-11-25 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-11-26 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.03	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.09	ppbv	V0	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	0.04	ppbv	V0
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105611
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		2.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.06	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.12	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.06	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.91	ppbv	V0					
Isopentane	0.04	0.52	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	4.6	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105592
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.15	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.11	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.21	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105690
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		3.7	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.14	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.03	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.4	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221005292
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.30	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.87	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.25	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.21	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.81	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.08	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.14	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105423
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		757.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	1.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.13	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.19	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.14	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.18	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	2.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.20	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	2.90	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	0.33	ppbv	V0					
Methylethylketone	0.30	1.30	ppbv	V4					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.24	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 221105443
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.3	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.11	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.87	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.26	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.08	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.10	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.69	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.7	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105579
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-6.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.26	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105783
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.46	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.02	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.47	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.45	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105717
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		740.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.07	ppbv	V0	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.11	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.03	ppbv	V0	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.03	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	0.04	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.6	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.10	ppbv	V0					
Methanol	0.5	3.0	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.68	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105775
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		708.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.21	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.04	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.8	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.30	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.4	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105758
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.12	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.15	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221105728
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.1	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.6	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.8	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.24	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.1	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.35	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 221105745	Duration: 24.0 hr
Start Date: 2022-12-01 00:00	End Date: 2022-12-02 00:00			

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.3	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.61	ppbv	V0					
Isopentane	0.04	0.40	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.3	ppbv	V0					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105811
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		732.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.6	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.31	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.8	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 221105417
Start Date:	2022-11-04 14:10	End Date:	2022-11-04 14:11	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-2.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		720.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.05	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Fort Hills	Loc ID: FTHL	WBEA ID: 221105708	Duration: 24.0 hr
Start Date: 2022-12-01 00:00	End Date: 2022-12-02 00:00		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		736.1	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.28	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.44	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.4	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221105800
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.7	mmHg		n-Heptane	0.04	0.06	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.11	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.7	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.27	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.9	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.36	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105729
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		730.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.24	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.9	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.65	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.69	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 221105727
Start Date:	2022-11-28 16:10	End Date:	2022-11-28 16:11	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.06	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.09	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.05	ppbv	V0					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.05	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205838
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		711.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.62	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.81	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205832
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.8	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.19	ppbv	V0	n-Hexane	0.03	0.12	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.03	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	0.05	ppbv	V0	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.18	ppbv	V0	n-Pentane	0.04	0.51	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.14	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.32	ppbv	V0
2,3-Dimethylpentane	0.02	0.15	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	0.08	ppbv	V0	trans-2-Pentene	0.02	0.05	ppbv	V0
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.11	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	0.05	ppbv	V0					
3-Methylheptane	0.03	0.03	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.2	ppbv	V0					
Acetone	0.40	1.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.28	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.04	ppbv	V0					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.40	ppbv	V0					
Ethylbenzene	0.03	0.07	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.80	ppbv	V0					
Isopentane	0.04	0.86	ppbv	V0					
Isoprene	0.02	0.02	ppbv	V0					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.29	ppbv	V0					
Methanol	0.5	4.9	ppbv	V0					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.82	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 221205831
Start Date:	2022-12-05 09:35	End Date:	2022-12-05 09:36	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221205867
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.0	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.16	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	1.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.15	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.26	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.24	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.1	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.93	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.77	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Bertha Ganter - Fort McKay	Samp Use: Exposure	Loc ID: BGFM	WBEA ID: 221205886	
Start Date: 2022-12-07 00:00	End Date: 2022-12-08 00:00	Duration: 24.0 hr		

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.7	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.94	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.09	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.19	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.68	ppbv	V0					
Isopentane	0.04	0.86	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	2.2	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.88	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205860
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		705.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.57	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.76	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221205890
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.25	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.14	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.10	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.01	ppbv	V0					
Isopentane	0.04	0.61	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.7	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.85	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221205866
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.50	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.50	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	0.04	ppbv	V0					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.4	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.53	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221205893
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.82	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.08	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.0	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.07	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.43	ppbv	V0					
Isopentane	0.04	0.60	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.51	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205842
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.6	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	0.8	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.56	ppbv	V0					
Isopentane	0.04	0.46	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.4	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.73	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221205822
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.2	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.09	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.48	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.8	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.69	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206025
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.21	ppbv	V0					
Isopentane	0.04	0.13	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.3	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206058
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		716.2	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.20	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.04	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.16	ppbv	V0
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.84	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.15	ppbv	V0	Toluene	0.03	0.14	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.10	ppbv	V0					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.20	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.11	ppbv	V0					
3-Methylpentane	0.02	0.23	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.10	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.45	ppbv	V0					
Isopentane	0.04	0.83	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.2	ppbv	V0					
Methylcyclohexane	0.02	0.15	ppbv	V0					
Methylcyclopentane	0.05	0.12	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.81	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 221206023
Start Date:	2022-12-15 14:30	End Date:	2022-12-15 14:31	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	0.09	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221206045
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		758.1	mmHg		n-Heptane	0.04	0.84	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.11	ppbv	V0	n-Hexane	0.03	0.44	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.15	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.52	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.52	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.12	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.10	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.29	ppbv	V0
2,3-Dimethylpentane	0.02	0.18	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.38	ppbv	V0					
2-Methylhexane	0.03	0.25	ppbv	V0					
2-Methylpentane	0.02	0.15	ppbv	V0					
3-Methyl-1-butene	0.02	0.15	ppbv	V0					
3-Methylheptane	0.03	0.12	ppbv	V0					
3-Methylhexane	0.02	0.37	ppbv	V0					
3-Methylpentane	0.02	0.16	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.3	ppbv	V0					
Acetone	0.40	3.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	6.50	ppbv	V0					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.60	ppbv	V0					
Isopentane	0.04	1.62	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.14	ppbv	V0					
Methanol	0.5	3.3	ppbv	V0					
Methylcyclohexane	0.02	0.27	ppbv	V0					
Methylcyclopentane	0.05	0.19	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.91	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221206089
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		746.2	mmHg		n-Heptane	0.04	0.36	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.37	ppbv	V0	n-Hexane	0.03	0.41	ppbv	V0
1,3,5-Trimethylbenzene	0.03	0.05	ppbv	V0	n-Nonane	0.04	0.10	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.27	ppbv	V0
1-Butene/Isobutylene	0.06	0.16	ppbv	V0	n-Pentane	0.04	1.34	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.08	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.40	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.18	ppbv	V0	o-Xylene	0.03	0.30	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.17	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.27	ppbv	V0	Toluene	0.03	0.65	ppbv	V0
2,3-Dimethylpentane	0.02	0.32	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.14	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	0.11	ppbv	V0
2-Methylheptane	0.02	0.24	ppbv	V0					
2-Methylhexane	0.03	0.22	ppbv	V0					
2-Methylpentane	0.02	0.47	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.12	ppbv	V0					
3-Methylhexane	0.02	0.27	ppbv	V0					
3-Methylpentane	0.02	0.48	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.7	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.33	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	0.07	ppbv	V0					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.22	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.60	ppbv	V0					
Ethylbenzene	0.03	0.16	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.12	ppbv	V0					
Isopentane	0.04	1.79	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.60	ppbv	V0					
Methanol	0.5	3.0	ppbv	V0					
Methylcyclohexane	0.02	0.27	ppbv	V0					
Methylcyclopentane	0.05	0.32	ppbv	V0					
Methylethylketone	0.30	0.50	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	3.10	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221205969
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		754.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.05	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.23	ppbv	V0					
Isopentane	0.04	0.59	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.8	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.56	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Barge Landing	Loc ID: BARG	WBEA ID: 221206092	
Start Date: 2022-12-25 00:00	End Date: 2022-12-26 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.7	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.23	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.83	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.34	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.33	ppbv	V0	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.06	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.53	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.58	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.36	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.34	ppbv	V0					
Isopentane	0.04	1.43	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.6	ppbv	V0					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.10	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.49	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205995
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		755.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.02	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.04	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.55	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.64	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 221206123
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		743.4	mmHg		n-Heptane	0.04	0.04	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.02	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.23	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.24	ppbv	V0	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.08	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.33	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.33	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.22	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.36	ppbv	V0					
Isopentane	0.04	1.01	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.1	ppbv	V0					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.53	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206070
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.12	ppbv	V0	n-Pentane	0.04	0.20	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.04	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.25	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.6	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.43	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 221206069
Start Date:	2022-12-20 13:10	End Date:	2022-12-20 13:11	Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.03	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.08	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206038
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.07	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.02	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.4	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.27	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221205973
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		747.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.2	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.19	ppbv	V0					
Isopentane	0.04	0.23	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.58	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221206127
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.8	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.07	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.06	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.29	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.1	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.41	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221205968
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		754.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.08	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.02	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.15	ppbv	V0					
Isopentane	0.04	0.17	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.28	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221206083
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		742.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.33	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.10	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.12	ppbv	V0	Toluene	0.03	0.07	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.04	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	0.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.09	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.35	ppbv	V0					
Isopentane	0.04	0.36	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.6	ppbv	V0					
Methylcyclohexane	0.02	0.06	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.38	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Fort McKay South		Samp Use: Exposure	Loc ID: FMCS	WBEA ID: 221205972
Start Date: 2022-12-19 00:00		End Date: 2022-12-20 00:00		Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		751.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.56	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.03	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.02	ppbv	V0					
4-Methyl-1-pentene	0.03	0.04	ppbv	V0					
Acetaldehyde	0.5	2.4	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.06	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.25	ppbv	V0					
Isopentane	0.04	0.51	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	0.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.55	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221206130
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		738.9	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.15	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.25	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.25	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.23	ppbv	V0	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.04	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.07	ppbv	V0					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.34	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.04	ppbv	V0					
3-Methylpentane	0.02	0.35	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.05	ppbv	V0					
Cyclopentane	0.02	0.25	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.33	ppbv	V0					
Isopentane	0.04	1.02	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.3	ppbv	V0					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.07	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.42	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205997
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		733.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.09	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.02	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.16	ppbv	V0					
Isopentane	0.04	0.14	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.2	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206080
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		721.1	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.22	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.2	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.22	ppbv	V0					
Isopentane	0.04	0.26	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.6	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206008
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		741.7	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.05	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.04	ppbv	V0					
2-Methylhexane	0.03	0.04	ppbv	V0					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.32	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.1	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206105
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.7	mmHg		n-Heptane	0.04	0.21	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.17	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.11	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.27	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.66	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.04	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.14	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.16	ppbv	V0	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.09	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.13	ppbv	V0					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.18	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.22	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.4	ppbv	V0					
Acetone	0.40	0.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.16	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.40	ppbv	V0					
Isopentane	0.04	0.75	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.11	ppbv	V0					
Methanol	0.5	2.3	ppbv	V0					
Methylcyclohexane	0.02	0.21	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.63	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221206143
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

NMHC spiking in the evening.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.5	mmHg		n-Heptane	0.04	0.15	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.29	ppbv	V0	n-Hexane	0.03	8.33	ppbv	V4
1,3,5-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.09	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	1.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.50	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.11	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.21	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.10	ppbv	V0	Toluene	0.03	0.46	ppbv	V0
2,3-Dimethylpentane	0.02	0.11	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.06	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.08	ppbv	V0					
2-Methylhexane	0.03	0.13	ppbv	V0					
2-Methylpentane	0.02	0.48	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.05	ppbv	V0					
3-Methylhexane	0.02	0.16	ppbv	V0					
3-Methylpentane	0.02	1.46	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.33	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	1.40	ppbv	V4					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.10	ppbv	V0					
Ethylbenzene	0.03	0.10	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	2.37	ppbv	V0					
Isopentane	0.04	1.71	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	10.20	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.39	ppbv	V0					
Methanol	0.5	16.8	ppbv	V0					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	2.84	ppbv	V4					
Methylethylketone	0.30	0.40	ppbv	V0					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	4.33	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 221206203
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.6	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		727.3	mmHg		n-Heptane	0.04	0.38	ppbv	V0
1,2,4-Trimethylbenzene	0.03	0.05	ppbv	V0	n-Hexane	0.03	0.40	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.24	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.60	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.05	ppbv	V0	o-Xylene	0.03	0.11	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.04	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.36	ppbv	V0
2,3-Dimethylpentane	0.02	0.14	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.05	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.16	ppbv	V0					
2-Methylhexane	0.03	0.17	ppbv	V0					
2-Methylpentane	0.02	0.19	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.26	ppbv	V0					
3-Methylpentane	0.02	0.20	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.21	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.90	ppbv	V0					
Ethylbenzene	0.03	0.08	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.82	ppbv	V0					
Isopentane	0.04	0.79	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.26	ppbv	V0					
Methanol	0.5	4.4	ppbv	V0					
Methylcyclohexane	0.02	0.25	ppbv	V0					
Methylcyclopentane	0.05	0.27	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.36	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221206210
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.0	mmHg		n-Heptane	0.04	0.27	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.38	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.22	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.50	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.27	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.04	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.15	ppbv	V0					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.13	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.21	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.9	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.22	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.57	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.09	ppbv	V0					
Methanol	0.5	3.2	ppbv	V0					
Methylcyclohexane	0.02	0.20	ppbv	V0					
Methylcyclopentane	0.05	0.28	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.13	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206135
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

NMHC spiking at midday.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		712.9	mmHg		n-Heptane	0.04	0.07	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	19.10	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.42	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	2.63	ppbv	V4	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.09	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	0.03	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.20	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.04	ppbv	V0					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.66	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	2.94	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.6	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.20	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	4.24	ppbv	V4					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	0.78	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	33.50	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.08	ppbv	V0					
Methanol	0.5	10.5	ppbv	V0					
Methylcyclohexane	0.02	0.07	ppbv	V0					
Methylcyclopentane	0.05	6.53	ppbv	V4					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.57	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206149
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

NMHC spiking in afternoon & evening.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		701.4	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	15.30	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.27	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.76	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.05	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.25	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.02	ppbv	V0					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.60	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	2.37	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	1.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.35	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.14	ppbv	V0					
Cyclopentane	0.02	2.47	ppbv	V4					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.01	ppbv	V0					
Isopentane	0.04	1.44	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	15.60	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	1.8	ppbv	V0					
Methylcyclohexane	0.02	0.12	ppbv	V0					
Methylcyclopentane	0.05	5.03	ppbv	V4					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.88	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221206174
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.9	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		726.4	mmHg		n-Heptane	0.04	0.17	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.08	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.50	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.05	ppbv	V0					
2-Methylhexane	0.03	0.08	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.12	ppbv	V0					
3-Methylpentane	0.02	0.10	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.07	ppbv	V0					
Cyclopentane	0.02	0.65	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.58	ppbv	V0					
Isopentane	0.04	0.55	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.05	ppbv	V0					
Methanol	0.5	4.2	ppbv	V0					
Methylcyclohexane	0.02	0.13	ppbv	V0					
Methylcyclopentane	0.05	0.14	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206157
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

NMHC elevated throughout the day.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-7.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		699.4	mmHg		n-Heptane	0.04	0.09	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	14.90	ppbv	V4
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.04	ppbv	V0
1-Butene/Isobutylene	0.06	0.09	ppbv	V0	n-Pentane	0.04	0.89	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	2.07	ppbv	V4	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.19	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.58	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	2.28	ppbv	V4					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.27	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	3.55	ppbv	V4					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.55	ppbv	V0					
Isopentane	0.04	1.12	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	27.20	ppbv	V4					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.1	ppbv	V0					
Methylcyclohexane	0.02	0.18	ppbv	V0					
Methylcyclopentane	0.05	5.03	ppbv	V4					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.42	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221206207
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.3	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		719.3	mmHg		n-Heptane	0.04	0.31	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.18	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.12	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.37	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.29	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.05	ppbv	V0
2,3,4-Trimethylpentane	0.02	0.02	ppbv	V0	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.36	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.24	ppbv	V0					
2-Methylhexane	0.03	0.09	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.10	ppbv	V0					
3-Methylhexane	0.02	0.14	ppbv	V0					
3-Methylpentane	0.02	0.08	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.5	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.13	ppbv	V0					
Cyclopentane	0.02	0.03	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.06	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.53	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.13	ppbv	V0					
Methanol	0.5	1.4	ppbv	V0					
Methylcyclohexane	0.02	0.29	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.86	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221206173
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-9.8	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		725.7	mmHg		n-Heptane	0.04	0.27	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.24	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.25	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.47	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	0.06	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.28	ppbv	V0
2,3-Dimethylpentane	0.02	0.06	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.15	ppbv	V0					
2-Methylhexane	0.03	0.10	ppbv	V0					
2-Methylpentane	0.02	0.10	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.07	ppbv	V0					
3-Methylhexane	0.02	0.15	ppbv	V0					
3-Methylpentane	0.02	0.11	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	0.80	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.15	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.11	ppbv	V0					
Cyclopentane	0.02	1.32	ppbv	V4					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.05	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.63	ppbv	V0					
Isopentane	0.04	0.56	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.14	ppbv	V0					
Methanol	0.5	2.3	ppbv	V0					
Methylcyclohexane	0.02	0.23	ppbv	V0					
Methylcyclopentane	0.05	0.15	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.03	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206167
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		707.5	mmHg		n-Heptane	0.04	0.08	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.27	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.03	ppbv	V0
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.76	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	0.03	ppbv	V0	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.15	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.03	ppbv	V0					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.12	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.13	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.1	ppbv	V0					
Acetone	0.40	0.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.23	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.12	ppbv	V0					
Cyclopentane	0.02	0.06	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.38	ppbv	V0					
Isopentane	0.04	0.88	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.70	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	1.9	ppbv	V0					
Methylcyclohexane	0.02	0.17	ppbv	V0					
Methylcyclopentane	0.05	0.16	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.23	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister		Deployment Information		Set Index: 1
Location: Janvier		Samp Use: Field Procedure Blank	Loc ID: JANV	WBEA ID: 221206168
Start Date: 2022-12-28 11:00		End Date: 2022-12-28 11:01		Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
1,2,4-Trimethylbenzene	0.03	0.05	ppbv	V0	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	0.04	ppbv	V0	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	-8888	ppbv	V1
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.12	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	-8888	ppbv	V1					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	-8888	ppbv	V1					
Acetone	0.40	-8888	ppbv	V1					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	-8888	ppbv	V1					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	0.03	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	-8888	ppbv	V1					
Isopentane	0.04	-8888	ppbv	V1					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	-8888	ppbv	V1					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	-8888	ppbv	V1					
n-Decane	0.06	-8888	ppbv	V1					
n-Dodecane	0.30	-8888	ppbv	V1					
n-Heptane	0.04	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205964
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		715.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.50	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.05	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.06	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	2.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.17	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.86	ppbv	V0					
Isopentane	0.04	1.20	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	9.5	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.25	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205932
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.2	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	0.08	ppbv	V0	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.13	ppbv	V0	n-Pentane	0.04	0.41	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	0.09	ppbv	V0	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	0.04	ppbv	V0
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.10	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	0.15	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.05	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	9.6	ppbv	V0					
Acetone	0.40	4.50	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.25	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	7.40	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.73	ppbv	V0					
Isopentane	0.04	1.60	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.60	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	43.8	ppbv	V4					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	5.42	ppbv	V4					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Barge Landing	Loc ID:	BARG	WBEA ID:	221205942
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.1	mmHg		n-Heptane	0.04	0.05	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.13	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.02	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.44	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.06	ppbv	V0					
3-Methylpentane	0.02	0.07	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.0	ppbv	V0					
Acetone	0.40	2.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	5.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.98	ppbv	V0					
Isopentane	0.04	1.22	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	11.0	ppbv	V0					
Methylcyclohexane	0.02	0.04	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.71	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205921
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		737.2	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.09	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.15	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.13	ppbv	V0					
2-Methylhexane	0.03	0.06	ppbv	V0					
2-Methylpentane	0.02	0.08	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.03	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	5.1	ppbv	V0					
Acetone	0.40	2.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.14	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.00	ppbv	V0					
Isopentane	0.04	1.15	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.04	ppbv	V0					
Methanol	0.5	8.0	ppbv	V0					
Methylcyclohexane	0.02	0.09	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.40	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205950
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		709.7	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.26	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	3.9	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.16	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.67	ppbv	V0					
Isopentane	0.04	0.75	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	6.8	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.68	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221205937
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		728.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.35	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.04	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.60	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.17	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.60	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.99	ppbv	V0					
Isopentane	0.04	1.27	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.6	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.20	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Information		Deployment Information		Set Information	
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221205898
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.6	mmHg		n-Heptane	0.04	0.13	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.18	ppbv	V0
1-Butene/Isobutylene	0.06	0.06	ppbv	V0	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.14	ppbv	V0					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.04	ppbv	V0					
3-Methylhexane	0.02	0.08	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	2.00	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.12	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.19	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	4.70	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.93	ppbv	V0					
Isopentane	0.04	1.15	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.04	ppbv	V0					
Methanol	0.5	7.0	ppbv	V0					
Methylcyclohexane	0.02	0.11	ppbv	V0					
Methylcyclopentane	0.05	0.05	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.30	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221205938
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		731.2	mmHg		n-Heptane	0.04	0.20	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.10	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	0.08	ppbv	V0
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.41	ppbv	V0
1-Butene/Isobutylene	0.06	0.10	ppbv	V0	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.02	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.41	ppbv	V0
2,3-Dimethylpentane	0.02	0.05	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	0.28	ppbv	V0					
2-Methylhexane	0.03	0.07	ppbv	V0					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	0.06	ppbv	V0					
3-Methylhexane	0.02	0.10	ppbv	V0					
3-Methylpentane	0.02	0.06	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.9	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.21	ppbv	V0					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.30	ppbv	V0					
Ethylbenzene	0.03	0.04	ppbv	V0					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.81	ppbv	V0					
Isopentane	0.04	0.96	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.07	ppbv	V0					
Methanol	0.5	6.8	ppbv	V0					
Methylcyclohexane	0.02	0.16	ppbv	V0					
Methylcyclopentane	0.05	0.06	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.06	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205956
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		717.3	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.05	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.07	ppbv	V0	n-Pentane	0.04	0.36	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.03	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.1	ppbv	V0					
Acetone	0.40	1.70	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	2.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.76	ppbv	V0					
Isopentane	0.04	0.97	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.0	ppbv	V0					
Methylcyclohexane	0.02	0.02	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	1.88	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221205918
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		722.4	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.06	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	0.08	ppbv	V0	n-Pentane	0.04	0.38	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	0.03	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	0.03	ppbv	V0					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.03	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.2	ppbv	V0					
Acetone	0.40	1.90	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.15	ppbv	V0					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	3.20	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	1.02	ppbv	V0					
Isopentane	0.04	1.16	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	19.1	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	2.77	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206026
Start Date:	2022-12-15 15:00	End Date:	2022-12-16 15:00	Duration:	24.0 hr

Notes

Sample ran from 15:00 MST on December 15th to 15:00 MST on December 16th due to unavailable change out of samples for December 13th NAPS day.

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Decane	0.06	< 0.06	ppbv	V6
Pressure		745.0	mmHg		n-Dodecane	0.30	< 0.3	ppbv	V6
1,2,4-Trimethylbenzene	0.03	< 0.03	ppbv	V6	n-Heptane	0.04	< 0.04	ppbv	V6
1,3,5-Trimethylbenzene	0.03	< 0.03	ppbv	V6	n-Hexane	0.03	0.04	ppbv	V6
1,3-Butadiene	0.03	< 0.03	ppbv	V6	n-Nonane	0.04	< 0.04	ppbv	V6
1-Butene/Isobutylene	0.06	< 0.06	ppbv	V6	n-Octane	0.02	< 0.02	ppbv	V6
1-Hexene/2-Methyl-1-pentene	0.07	< 0.07	ppbv	V6	n-Pentane	0.04	0.21	ppbv	V6
1-Pentene	0.03	< 0.03	ppbv	V6	n-Propylbenzene	0.06	< 0.06	ppbv	V6
2,2,4-Trimethylpentane	0.02	< 0.02	ppbv	V6	n-Undecane	0.50	< 0.5	ppbv	V6
2,2-Dimethylbutane	0.02	0.03	ppbv	V6	Naphthalene	0.30	< 0.3	ppbv	V6
2,3,4-Trimethylpentane	0.02	< 0.02	ppbv	V6	o-Xylene	0.03	< 0.03	ppbv	V6
2,3-Dimethylbutane	0.09	< 0.09	ppbv	V6	Styrene	0.04	< 0.04	ppbv	V6
2,3-Dimethylpentane	0.02	< 0.02	ppbv	V6	Toluene	0.03	< 0.03	ppbv	V6
2,4-Dimethylpentane	0.03	< 0.03	ppbv	V6	trans-2-Butene	0.03	< 0.03	ppbv	V6
2-Methyl-2-butene	0.02	< 0.02	ppbv	V6	trans-2-Hexene	0.20	< 0.2	ppbv	V6
2-Methylheptane	0.02	< 0.02	ppbv	V6	trans-2-Pentene	0.02	< 0.02	ppbv	V6
2-Methylhexane	0.03	< 0.03	ppbv	V6					
2-Methylpentane	0.02	0.06	ppbv	V6					
3-Methyl-1-butene	0.02	< 0.02	ppbv	V6					
3-Methylheptane	0.03	< 0.03	ppbv	V6					
3-Methylhexane	0.02	< 0.02	ppbv	V6					
3-Methylpentane	0.02	0.04	ppbv	V6					
4-Methyl-1-pentene	0.03	< 0.03	ppbv	V6					
Acetaldehyde	0.5	2.8	ppbv	V6					
Acetone	0.40	1.10	ppbv	V6					
alpha-Pinene	0.30	< 0.3	ppbv	V6					
Benzene	0.03	0.10	ppbv	V6					
beta-Pinene	0.40	< 0.4	ppbv	V6					
cis-2-Butene	0.03	< 0.03	ppbv	V6					
cis-2-Hexene	0.02	< 0.02	ppbv	V6					
cis-2-Pentene	0.02	< 0.02	ppbv	V6					
Cyclohexane	0.04	< 0.04	ppbv	V6					
Cyclopentane	0.02	0.02	ppbv	V6					
Cyclopentene	0.02	< 0.02	ppbv	V6					
Ethanol	0.50	0.70	ppbv	V6					
Ethylbenzene	0.03	< 0.03	ppbv	V6					
Formaldehyde	1	< 0.5	ppbv	V6					
Isobutane	0.03	0.22	ppbv	V6					
Isopentane	0.04	0.26	ppbv	V6					
Isoprene	0.02	< 0.02	ppbv	V6					
Isopropylalcohol	0.30	< 0.3	ppbv	V6					
Isopropylbenzene	0.04	< 0.04	ppbv	V6					
m,p-Xylene	0.04	< 0.04	ppbv	V6					
Methanol	0.5	3.0	ppbv	V6					
Methylcyclohexane	0.02	< 0.02	ppbv	V6					
Methylcyclopentane	0.05	< 0.05	ppbv	V6					
Methylethylketone	0.30	< 0.3	ppbv	V6					
Methylisobutylketone	0.30	< 0.3	ppbv	V6					
Methylvinylketone	0.30	< 0.3	ppbv	V6					
n-Butane	0.02	0.38	ppbv	V6					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206047
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		753.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	-8888	ppbv	V1
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.10	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	-8888	ppbv	V1
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.04	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	-8888	ppbv	V1					
3-Methylpentane	0.02	-8888	ppbv	V1					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.7	ppbv	V0					
Acetone	0.40	1.10	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.08	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	-8888	ppbv	V1					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.17	ppbv	V0					
Isopentane	0.04	0.16	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	2.7	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.37	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206176
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		734.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.04	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.16	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.05	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.04	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	1.8	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.27	ppbv	V0					
Isopentane	0.04	0.35	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	3.6	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.91	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206216
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		723.0	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.30	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.07	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.0	ppbv	V0					
Acetone	0.40	1.20	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.11	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	0.90	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.46	ppbv	V0					
Isopentane	0.04	0.39	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.5	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.78	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: VOC Canister	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Fort Chipewyan	Loc ID: FTCH	WBEA ID: 221105683	
Start Date: 2022-11-25 00:00	End Date: 2022-11-26 00:00	Duration: 24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		735.5	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.08	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.18	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	-8888	ppbv	V1	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.08	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.05	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.03	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	4.8	ppbv	V0					
Acetone	0.40	1.40	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.07	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	-8888	ppbv	V1					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.80	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.18	ppbv	V0					
Isopentane	0.04	0.22	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	4.9	ppbv	V0					
Methylcyclohexane	0.02	-8888	ppbv	V1					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.41	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105808
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		739.1	mmHg		n-Heptane	0.04	0.10	ppbv	V0
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.29	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	0.06	ppbv	V0
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	1.00	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.11	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	0.13	ppbv	V0	Toluene	0.03	0.23	ppbv	V0
2,3-Dimethylpentane	0.02	0.07	ppbv	V0	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	0.03	ppbv	V0	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	0.05	ppbv	V0					
2-Methylpentane	0.02	0.21	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.07	ppbv	V0					
3-Methylpentane	0.02	0.22	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.3	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.10	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	0.04	ppbv	V0					
Cyclopentane	0.02	0.12	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.30	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.30	ppbv	V0					
Isopentane	0.04	0.81	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	0.40	ppbv	V0					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	0.06	ppbv	V0					
Methanol	0.5	3.5	ppbv	V0					
Methylcyclohexane	0.02	0.05	ppbv	V0					
Methylcyclopentane	0.05	0.13	ppbv	V0					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.75	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	VOC Canister	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221205861
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag	Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C		n-Dodecane	0.30	-8888	ppbv	V1
Pressure		729.9	mmHg		n-Heptane	0.04	-8888	ppbv	V1
1,2,4-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Hexane	0.03	0.07	ppbv	V0
1,3,5-Trimethylbenzene	0.03	-8888	ppbv	V1	n-Nonane	0.04	-8888	ppbv	V1
1,3-Butadiene	0.03	-8888	ppbv	V1	n-Octane	0.02	-8888	ppbv	V1
1-Butene/Isobutylene	0.06	-8888	ppbv	V1	n-Pentane	0.04	0.32	ppbv	V0
1-Hexene/2-Methyl-1-pentene	0.07	-8888	ppbv	V1	n-Propylbenzene	0.06	-8888	ppbv	V1
1-Pentene	0.03	-8888	ppbv	V1	n-Undecane	0.50	-8888	ppbv	V1
2,2,4-Trimethylpentane	0.02	-8888	ppbv	V1	Naphthalene	0.30	-8888	ppbv	V1
2,2-Dimethylbutane	0.02	0.03	ppbv	V0	o-Xylene	0.03	-8888	ppbv	V1
2,3,4-Trimethylpentane	0.02	-8888	ppbv	V1	Styrene	0.04	-8888	ppbv	V1
2,3-Dimethylbutane	0.09	-8888	ppbv	V1	Toluene	0.03	0.04	ppbv	V0
2,3-Dimethylpentane	0.02	-8888	ppbv	V1	trans-2-Butene	0.03	-8888	ppbv	V1
2,4-Dimethylpentane	0.03	-8888	ppbv	V1	trans-2-Hexene	0.20	-8888	ppbv	V1
2-Methyl-2-butene	0.02	-8888	ppbv	V1	trans-2-Pentene	0.02	-8888	ppbv	V1
2-Methylheptane	0.02	-8888	ppbv	V1					
2-Methylhexane	0.03	-8888	ppbv	V1					
2-Methylpentane	0.02	0.06	ppbv	V0					
3-Methyl-1-butene	0.02	-8888	ppbv	V1					
3-Methylheptane	0.03	-8888	ppbv	V1					
3-Methylhexane	0.02	0.02	ppbv	V0					
3-Methylpentane	0.02	0.05	ppbv	V0					
4-Methyl-1-pentene	0.03	-8888	ppbv	V1					
Acetaldehyde	0.5	2.5	ppbv	V0					
Acetone	0.40	1.30	ppbv	V0					
alpha-Pinene	0.30	-8888	ppbv	V1					
Benzene	0.03	0.13	ppbv	V0					
beta-Pinene	0.40	-8888	ppbv	V1					
cis-2-Butene	0.03	-8888	ppbv	V1					
cis-2-Hexene	0.02	-8888	ppbv	V1					
cis-2-Pentene	0.02	-8888	ppbv	V1					
Cyclohexane	0.04	-8888	ppbv	V1					
Cyclopentane	0.02	0.02	ppbv	V0					
Cyclopentene	0.02	-8888	ppbv	V1					
Ethanol	0.50	1.00	ppbv	V0					
Ethylbenzene	0.03	-8888	ppbv	V1					
Formaldehyde	1	-8888	ppbv	V1					
Isobutane	0.03	0.31	ppbv	V0					
Isopentane	0.04	0.38	ppbv	V0					
Isoprene	0.02	-8888	ppbv	V1					
Isopropylalcohol	0.30	-8888	ppbv	V1					
Isopropylbenzene	0.04	-8888	ppbv	V1					
m,p-Xylene	0.04	-8888	ppbv	V1					
Methanol	0.5	5.4	ppbv	V0					
Methylcyclohexane	0.02	0.03	ppbv	V0					
Methylcyclopentane	0.05	-8888	ppbv	V1					
Methylethylketone	0.30	-8888	ppbv	V1					
Methylisobutylketone	0.30	-8888	ppbv	V1					
Methylvinylketone	0.30	-8888	ppbv	V1					
n-Butane	0.02	0.61	ppbv	V0					
n-Decane	0.06	-8888	ppbv	V1					



WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

PARTICULATE MATTER 2.5 – IONS PARTICULATE MATTER 10 – IONS PARTICULATE MATTER 2.5 – ELEMENTS PARTICULATE MATTER 10 – ELEMENTS DATA RESULTS 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

PM: Desert Research Institute
Reno, NV



CONTENTS DESCRIPTION	Results of Partisol Sampler Measurements of Mass, Ions by IC and Elements by ICP-MS
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	$\mu\text{g}/\text{m}^3$ (microgram per cubic meter)
OBSERVATION TYPE	Particles
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Filtration with PM_{10} Inlet for PM_{10} and with PM_{10} Inlet/Very Sharp Cut Cyclone for $\text{PM}_{2.5}$
PARTICLE DIAMETER	$< 2.5 \mu\text{m}$ or $< 10 \mu\text{m}$
MEDIUM	47 mm Teflon Filter
ANALYTICAL METHODS	MASS by Microbalance ELEMENTS by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) IONS by Ion Chromatography (IC)
SAMPLE PREPARATION	DI Water extraction for IC analysis and Acid Digestion for ICP/MS Analysis
ANALYTICAL LABORATORY	Desert Research Institute
USER NOTE 1	Data are not blank corrected
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Blank sample concentration ($\mu\text{g}/\text{m}^3$) is calculated using expected actual volume of sampler
USER NOTE 4	Partisols for $\text{PM}_{2.5}$ at AMS 15 occasionally samples 24.1 m^3 despite being set for 24 m^3 . Flow has been calibrated. Reason for this behaviour is unknown.
USER NOTE 5	Values flagged V1 are displayed as -8888
VOLUME STANDARDIZATION	Actual Volume at Ambient Conditions (since 01-Jan-2011)
SAMPLING INSTRUMENT TYPE	For PM_{10} FRM Partisol PM_{10} sampler For $\text{PM}_{2.5}$ FRM Partisol $\text{PM}_{2.5}$ sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100059
Start Date:	2022-01-04 15:25	End Date:	2022-01-04 15:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.250	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.1006	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0013	µg/m ³	V0
Chloride Ion	0.0014	0.0219	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100005
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		730.3	mmHg	
Particulate Matter	0.042	5.667	µg/m ³	V0
Sodium Ion	0.0006	0.6177	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0098	µg/m ³	V0
Magnesium Ion	0.00005	0.0950	µg/m ³	V0
Calcium Ion	0.0021	0.0289	µg/m ³	V0
Fluoride Ion	0.00001	0.0045	µg/m ³	V0
Chloride Ion	0.0014	0.5783	µg/m ³	V0
Nitrate Ion	0.0002	0.9481	µg/m ³	V0
Sulphate Ion	0.0001	0.9557	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-01-05 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-01-06 00:00

Set Index: 1
WBEA ID: 220100011
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		755.7	mmHg	
Particulate Matter	0.042	5.417	µg/m ³	V0
Sodium Ion	0.0006	0.7202	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0288	µg/m ³	V0
Magnesium Ion	0.00005	0.1213	µg/m ³	V0
Calcium Ion	0.0021	0.0772	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	0.8918	µg/m ³	V0
Nitrate Ion	0.0002	0.8681	µg/m ³	V0
Sulphate Ion	0.0001	0.6119	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100015
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		747.1	mmHg	
Particulate Matter	0.042	4.000	µg/m ³	V0
Sodium Ion	0.0006	0.5365	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0016	µg/m ³	V0
Magnesium Ion	0.00005	0.0816	µg/m ³	V0
Calcium Ion	0.0021	0.0368	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.7893	µg/m ³	V0
Nitrate Ion	0.0002	0.6618	µg/m ³	V0
Sulphate Ion	0.0001	0.4436	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100029
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00; Valid sampling time = 01:00.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		752.4	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Sodium Ion	0.0006	0.5239	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0194	µg/m ³	V0
Magnesium Ion	0.00005	0.0795	µg/m ³	V0
Calcium Ion	0.0021	0.0423	µg/m ³	V0
Fluoride Ion	0.00001	0.0031	µg/m ³	V0
Chloride Ion	0.0014	0.6566	µg/m ³	V0
Nitrate Ion	0.0002	0.8390	µg/m ³	V0
Sulphate Ion	0.0001	0.4337	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100045
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		724.3	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Sodium Ion	0.0006	0.4843	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0061	µg/m ³	V0
Magnesium Ion	0.00005	0.0654	µg/m ³	V0
Calcium Ion	0.0021	0.0298	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	0.6085	µg/m ³	V0
Nitrate Ion	0.0002	0.5540	µg/m ³	V0
Sulphate Ion	0.0001	0.6539	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100063
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		732.4	mmHg	
Particulate Matter	0.042	4.000	µg/m ³	V0
Sodium Ion	0.0006	0.4490	µg/m ³	V0
Ammonium Ion	0.00004	0.0967	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0454	µg/m ³	V0
Calcium Ion	0.0021	0.0524	µg/m ³	V0
Fluoride Ion	0.00001	0.0032	µg/m ³	V0
Chloride Ion	0.0014	0.4471	µg/m ³	V0
Nitrate Ion	0.0002	0.9855	µg/m ³	V0
Sulphate Ion	0.0001	0.7683	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100079
Start Date:	2022-01-06 12:05	End Date:	2022-01-06 12:06	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.417	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Bertha Ganter - Fort McKay
Start Date: 2022-01-11 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-01-12 00:00

Set Index: 1
WBEA ID: 220100083
Duration: 24.0 hr

Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00; Valid sampling time = 01:00.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		732.2	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Sodium Ion	0.0006	0.1961	µg/m ³	V0
Ammonium Ion	0.00004	0.1083	µg/m ³	V0
Potassium Ion	0.0001	0.0328	µg/m ³	V0
Magnesium Ion	0.00005	0.0289	µg/m ³	V0
Calcium Ion	0.0021	0.0299	µg/m ³	V0
Fluoride Ion	0.00001	0.0006	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.8274	µg/m ³	V0
Sulphate Ion	0.0001	1.0729	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100101
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.4	°C	
Pressure		705.5	mmHg	
Particulate Matter	0.042	5.208	µg/m ³	V0
Sodium Ion	0.0006	0.1815	µg/m ³	V0
Ammonium Ion	0.00004	0.4193	µg/m ³	V0
Potassium Ion	0.0001	0.0407	µg/m ³	V0
Magnesium Ion	0.00005	0.0495	µg/m ³	V0
Calcium Ion	0.0021	0.0132	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.7990	µg/m ³	V0
Sulphate Ion	0.0001	1.6496	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100109
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		722.7	mmHg	
Particulate Matter	0.042	5.833	µg/m ³	V0
Sodium Ion	0.0006	0.2468	µg/m ³	V0
Ammonium Ion	0.00004	0.3018	µg/m ³	V0
Potassium Ion	0.0001	0.0243	µg/m ³	V0
Magnesium Ion	0.00005	0.0428	µg/m ³	V0
Calcium Ion	0.0021	0.0416	µg/m ³	V0
Fluoride Ion	0.00001	0.0039	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.1533	µg/m ³	V0
Sulphate Ion	0.0001	1.3984	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100114
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.2	°C	
Pressure		713.1	mmHg	
Particulate Matter	0.042	4.792	µg/m ³	V0
Sodium Ion	0.0006	0.1730	µg/m ³	V0
Ammonium Ion	0.00004	0.2870	µg/m ³	V0
Potassium Ion	0.0001	0.0321	µg/m ³	V0
Magnesium Ion	0.00005	0.0334	µg/m ³	V0
Calcium Ion	0.0021	0.0133	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.7477	µg/m ³	V0
Sulphate Ion	0.0001	1.3725	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100122
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		711.8	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Sodium Ion	0.0006	0.2015	µg/m ³	V0
Ammonium Ion	0.00004	0.2171	µg/m ³	V0
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.0422	µg/m ³	V0
Calcium Ion	0.0021	0.0143	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.6971	µg/m ³	V0
Sulphate Ion	0.0001	1.4214	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-01-11 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-01-12 00:00**

Set Index: **1**
WBEA ID: **220100126**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		735.2	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Sodium Ion	0.0006	0.2048	µg/m ³	V0
Ammonium Ion	0.00004	0.4181	µg/m ³	V0
Potassium Ion	0.0001	0.0964	µg/m ³	V0
Magnesium Ion	0.00005	0.0575	µg/m ³	V0
Calcium Ion	0.0021	0.0661	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.4490	µg/m ³	V0
Sulphate Ion	0.0001	1.4053	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100175
Start Date:	2022-01-14 11:50	End Date:	2022-01-14 11:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100147
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		704.8	mmHg	
Particulate Matter	0.042	1.583	µg/m ³	V0
Sodium Ion	0.0006	0.0296	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0243	µg/m ³	V0
Magnesium Ion	0.00005	0.0171	µg/m ³	V0
Calcium Ion	0.0021	0.0308	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.8906	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100155
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		712.6	mmHg	
Particulate Matter	0.042	1.708	µg/m ³	V0
Sodium Ion	0.0006	0.0290	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0183	µg/m ³	V0
Magnesium Ion	0.00005	0.0084	µg/m ³	V0
Calcium Ion	0.0021	0.0113	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0013	µg/m ³	V0
Sulphate Ion	0.0001	0.8289	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Bertha Ganter - Fort McKay
Start Date: 2022-01-17 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-01-18 00:00

Set Index: 1
WBEA ID: 220100162
Duration: 24.0 hr

Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00; Valid sampling time = 01:00.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		733.1	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Sodium Ion	0.0006	0.0523	µg/m ³	V0
Ammonium Ion	0.00004	0.0246	µg/m ³	V0
Potassium Ion	0.0001	0.0230	µg/m ³	V0
Magnesium Ion	0.00005	0.0158	µg/m ³	V0
Calcium Ion	0.0021	0.0199	µg/m ³	V0
Fluoride Ion	0.00001	0.0006	µg/m ³	V0
Chloride Ion	0.0014	0.0084	µg/m ³	V0
Nitrate Ion	0.0002	0.0148	µg/m ³	V0
Sulphate Ion	0.0001	0.9542	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100181
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		723.0	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Sodium Ion	0.0006	0.0578	µg/m ³	V0
Ammonium Ion	0.00004	0.0649	µg/m ³	V0
Potassium Ion	0.0001	0.0427	µg/m ³	V0
Magnesium Ion	0.00005	0.0183	µg/m ³	V0
Calcium Ion	0.0021	0.0356	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0165	µg/m ³	V0
Nitrate Ion	0.0002	0.0287	µg/m ³	V0
Sulphate Ion	0.0001	1.3912	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100189
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		711.7	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Sodium Ion	0.0006	0.0404	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0296	µg/m ³	V0
Magnesium Ion	0.00005	0.0097	µg/m ³	V0
Calcium Ion	0.0021	0.0195	µg/m ³	V0
Fluoride Ion	0.00001	0.0032	µg/m ³	V0
Chloride Ion	0.0014	0.0089	µg/m ³	V0
Nitrate Ion	0.0002	0.0084	µg/m ³	V0
Sulphate Ion	0.0001	0.9355	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-01-17 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-01-18 00:00

Set Index: 1
WBEA ID: 220100197
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		735.7	mmHg	
Particulate Matter	0.042	2.208	µg/m ³	V0
Sodium Ion	0.0006	0.0472	µg/m ³	V0
Ammonium Ion	0.00004	0.0806	µg/m ³	V0
Potassium Ion	0.0001	0.0352	µg/m ³	V0
Magnesium Ion	0.00005	0.0109	µg/m ³	V0
Calcium Ion	0.0021	0.0228	µg/m ³	V0
Fluoride Ion	0.00001	0.0012	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1872	µg/m ³	V0
Sulphate Ion	0.0001	1.0508	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-01-20 13:24**

Samp Use: **Field Procedure Blank**
Loc ID: **ATHV**
End Date: **2022-01-20 13:25**

Set Index: **1**
WBEA ID: **220100245**
Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100224
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, filter was frozen in sample tray.
Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		733.8	mmHg	
Particulate Matter	0.042	3.542	µg/m ³	V0
Sodium Ion	0.0006	0.0310	µg/m ³	V0
Ammonium Ion	0.00004	0.0473	µg/m ³	V0
Potassium Ion	0.0001	0.0251	µg/m ³	V0
Magnesium Ion	0.00005	0.0147	µg/m ³	V0
Calcium Ion	0.0021	0.0434	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0150	µg/m ³	V0
Sulphate Ion	0.0001	0.9648	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100230
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.8	°C	
Pressure		715.4	mmHg	
Particulate Matter	0.042	3.292	µg/m ³	V0
Sodium Ion	0.0006	0.0219	µg/m ³	V0
Ammonium Ion	0.00004	0.1164	µg/m ³	V0
Potassium Ion	0.0001	0.0360	µg/m ³	V0
Magnesium Ion	0.00005	0.0114	µg/m ³	V0
Calcium Ion	0.0021	0.0163	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	1.4059	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100234
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		725.3	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Sodium Ion	0.0006	0.0389	µg/m ³	V0
Ammonium Ion	0.00004	0.1291	µg/m ³	V0
Potassium Ion	0.0001	0.0328	µg/m ³	V0
Magnesium Ion	0.00005	0.0068	µg/m ³	V0
Calcium Ion	0.0021	0.0156	µg/m ³	V0
Fluoride Ion	0.00001	0.0028	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0156	µg/m ³	V0
Sulphate Ion	0.0001	1.4475	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-01-23 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-01-24 00:00

Set Index: 1
WBEA ID: 220100250
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		737.0	mmHg	
Particulate Matter	0.042	3.667	µg/m ³	V0
Sodium Ion	0.0006	0.0368	µg/m ³	V0
Ammonium Ion	0.00004	0.2043	µg/m ³	V0
Potassium Ion	0.0001	0.0753	µg/m ³	V0
Magnesium Ion	0.00005	0.0038	µg/m ³	V0
Calcium Ion	0.0021	0.0172	µg/m ³	V0
Fluoride Ion	0.00001	0.0029	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.7742	µg/m ³	V0
Sulphate Ion	0.0001	1.0975	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100256
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.5	°C	
Pressure		707.9	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Sodium Ion	0.0006	0.0132	µg/m ³	V0
Ammonium Ion	0.00004	0.0709	µg/m ³	V0
Potassium Ion	0.0001	0.0428	µg/m ³	V0
Magnesium Ion	0.00005	0.0054	µg/m ³	V0
Calcium Ion	0.0021	0.0204	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	1.3984	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100260
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		714.2	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Sodium Ion	0.0006	0.0260	µg/m ³	V0
Ammonium Ion	0.00004	0.1291	µg/m ³	V0
Potassium Ion	0.0001	0.0379	µg/m ³	V0
Magnesium Ion	0.00005	0.0075	µg/m ³	V0
Calcium Ion	0.0021	0.0146	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2350	µg/m ³	V0
Sulphate Ion	0.0001	1.1685	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100322
Start Date:	2022-01-28 12:55	End Date:	2022-01-28 12:56	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100270
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.5	°C	
Pressure		708.4	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Sodium Ion	0.0006	0.0512	µg/m ³	V0
Ammonium Ion	0.00004	0.1938	µg/m ³	V0
Potassium Ion	0.0001	0.0448	µg/m ³	V0
Magnesium Ion	0.00005	0.0055	µg/m ³	V0
Calcium Ion	0.0021	0.0184	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1199	µg/m ³	V0
Sulphate Ion	0.0001	1.8302	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100280
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.5	°C	
Pressure		715.7	mmHg	
Particulate Matter	0.042	4.167	µg/m ³	V0
Sodium Ion	0.0006	0.0611	µg/m ³	V0
Ammonium Ion	0.00004	0.0556	µg/m ³	V0
Potassium Ion	0.0001	0.0305	µg/m ³	V0
Magnesium Ion	0.00005	0.0121	µg/m ³	V0
Calcium Ion	0.0021	0.0454	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1141	µg/m ³	V0
Sulphate Ion	0.0001	1.8921	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100300
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

Upon collection of sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		733.9	mmHg	
Particulate Matter	0.042	5.333	µg/m ³	V0
Sodium Ion	0.0006	0.1939	µg/m ³	V0
Ammonium Ion	0.00004	0.0896	µg/m ³	V0
Potassium Ion	0.0001	0.0345	µg/m ³	V0
Magnesium Ion	0.00005	0.0264	µg/m ³	V0
Calcium Ion	0.0021	0.0204	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0073	µg/m ³	V0
Nitrate Ion	0.0002	0.9789	µg/m ³	V0
Sulphate Ion	0.0001	1.0626	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-01-29 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-01-30 00:00

Set Index: 1
WBEA ID: 220100308
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.2	°C	
Pressure		728.2	mmHg	
Particulate Matter	0.042	5.083	µg/m ³	V0
Sodium Ion	0.0006	0.1583	µg/m ³	V0
Ammonium Ion	0.00004	0.2989	µg/m ³	V0
Potassium Ion	0.0001	0.0605	µg/m ³	V0
Magnesium Ion	0.00005	0.0174	µg/m ³	V0
Calcium Ion	0.0021	0.0133	µg/m ³	V0
Fluoride Ion	0.00001	0.0008	µg/m ³	V0
Chloride Ion	0.0014	0.0111	µg/m ³	V0
Nitrate Ion	0.0002	1.1987	µg/m ³	V0
Sulphate Ion	0.0001	1.3006	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-01-29 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-01-30 00:00**

Set Index: **1**
WBEA ID: **220100314**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.6	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Sodium Ion	0.0006	0.1360	µg/m ³	V0
Ammonium Ion	0.00004	0.2734	µg/m ³	V0
Potassium Ion	0.0001	0.0746	µg/m ³	V0
Magnesium Ion	0.00005	0.0199	µg/m ³	V0
Calcium Ion	0.0021	0.0166	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	0.0114	µg/m ³	V0
Nitrate Ion	0.0002	1.1160	µg/m ³	V0
Sulphate Ion	0.0001	1.3689	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100324
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.5	°C	
Pressure		713.9	mmHg	
Particulate Matter	0.042	3.292	µg/m ³	V0
Sodium Ion	0.0006	0.0722	µg/m ³	V0
Ammonium Ion	0.00004	0.0483	µg/m ³	V0
Potassium Ion	0.0001	0.0313	µg/m ³	V0
Magnesium Ion	0.00005	0.0122	µg/m ³	V0
Calcium Ion	0.0021	0.0474	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1578	µg/m ³	V0
Sulphate Ion	0.0001	1.7375	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200406
Start Date:	2022-02-01 13:55	End Date:	2022-02-01 13:56	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.375	µg/m ³	V0
Sodium Ion	0.0006	0.0014	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100367
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		716.9	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Sodium Ion	0.0006	0.0816	µg/m ³	V0
Ammonium Ion	0.00004	0.0961	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0077	µg/m ³	V0
Chloride Ion	0.0014	0.0022	µg/m ³	V0
Nitrate Ion	0.0002	0.1006	µg/m ³	V0
Sulphate Ion	0.0001	0.8404	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100372
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		729.4	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Sodium Ion	0.0006	0.1568	µg/m ³	V0
Ammonium Ion	0.00004	0.2632	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0183	µg/m ³	V0
Calcium Ion	0.0021	0.0205	µg/m ³	V0
Fluoride Ion	0.00001	0.0088	µg/m ³	V0
Chloride Ion	0.0014	0.0089	µg/m ³	V0
Nitrate Ion	0.0002	0.2664	µg/m ³	V0
Sulphate Ion	0.0001	1.0338	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-02-04 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-02-05 00:00**

Set Index: **1**
WBEA ID: **220100378**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		740.0	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Sodium Ion	0.0006	0.1083	µg/m ³	V0
Ammonium Ion	0.00004	0.1856	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0142	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0074	µg/m ³	V0
Chloride Ion	0.0014	0.0022	µg/m ³	V0
Nitrate Ion	0.0002	0.1646	µg/m ³	V0
Sulphate Ion	0.0001	0.8577	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200408
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		710.6	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Sodium Ion	0.0006	0.0865	µg/m ³	V0
Ammonium Ion	0.00004	0.1381	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0104	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0068	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1334	µg/m ³	V0
Sulphate Ion	0.0001	0.7649	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200417
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		718.7	mmHg	
Particulate Matter	0.042	2.625	µg/m ³	V0
Sodium Ion	0.0006	0.0880	µg/m ³	V0
Ammonium Ion	0.00004	0.1564	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0101	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0071	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1226	µg/m ³	V0
Sulphate Ion	0.0001	0.8100	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200438
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had temp diff and sample period status codes.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	7.000	µg/m ³	V0
Sodium Ion	0.0006	0.1388	µg/m ³	V0
Ammonium Ion	0.00004	0.4601	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0183	µg/m ³	V0
Calcium Ion	0.0021	0.0228	µg/m ³	V0
Fluoride Ion	0.00001	0.0069	µg/m ³	V0
Chloride Ion	0.0014	0.0022	µg/m ³	V0
Nitrate Ion	0.0002	0.1406	µg/m ³	V0
Sulphate Ion	0.0001	1.4002	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200479
Start Date:	2022-02-07 15:30	End Date:	2022-02-07 15:31	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0019	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0001	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200455
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.9	°C	
Pressure		710.0	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Sodium Ion	0.0006	0.0336	µg/m ³	V0
Ammonium Ion	0.00004	0.0114	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0067	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0183	µg/m ³	V0
Sulphate Ion	0.0001	0.7410	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-02-10 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-02-11 00:00

Set Index: 1
WBEA ID: 220200459
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.9	°C	
Pressure		732.5	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Sodium Ion	0.0006	0.0530	µg/m ³	V0
Ammonium Ion	0.00004	0.1263	µg/m ³	V0
Potassium Ion	0.0001	0.0063	µg/m ³	V0
Magnesium Ion	0.00005	0.0091	µg/m ³	V0
Calcium Ion	0.0021	0.0248	µg/m ³	V0
Fluoride Ion	0.00001	0.0074	µg/m ³	V0
Chloride Ion	0.0014	0.0058	µg/m ³	V0
Nitrate Ion	0.0002	0.1045	µg/m ³	V0
Sulphate Ion	0.0001	0.8437	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Patricia McInnes**
Start Date: **2022-02-10 00:00**

Samp Use: **Exposure**
Loc ID: **PATM**
End Date: **2022-02-11 00:00**

Set Index: **1**
WBEA ID: **220200465**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		720.0	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Sodium Ion	0.0006	0.0457	µg/m ³	V0
Ammonium Ion	0.00004	0.1826	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0078	µg/m ³	V0
Calcium Ion	0.0021	0.0292	µg/m ³	V0
Fluoride Ion	0.00001	0.0079	µg/m ³	V0
Chloride Ion	0.0014	0.0041	µg/m ³	V0
Nitrate Ion	0.0002	0.0803	µg/m ³	V0
Sulphate Ion	0.0001	0.8824	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200471
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.1	°C	
Pressure		704.2	mmHg	
Particulate Matter	0.042	1.667	µg/m ³	V0
Sodium Ion	0.0006	0.0234	µg/m ³	V0
Ammonium Ion	0.00004	0.0014	µg/m ³	V0
Potassium Ion	0.0001	0.0014	µg/m ³	V0
Magnesium Ion	0.00005	0.0061	µg/m ³	V0
Calcium Ion	0.0021	0.0065	µg/m ³	V0
Fluoride Ion	0.00001	0.0070	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0120	µg/m ³	V0
Sulphate Ion	0.0001	0.6115	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200481
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.3	°C	
Pressure		711.4	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Sodium Ion	0.0006	0.0273	µg/m ³	V0
Ammonium Ion	0.00004	0.0430	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0088	µg/m ³	V0
Calcium Ion	0.0021	0.0207	µg/m ³	V0
Fluoride Ion	0.00001	0.0068	µg/m ³	V0
Chloride Ion	0.0014	0.0029	µg/m ³	V0
Nitrate Ion	0.0002	0.0315	µg/m ³	V0
Sulphate Ion	0.0001	0.6307	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200502
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.6	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	3.833	µg/m ³	V0
Sodium Ion	0.0006	0.0505	µg/m ³	V0
Ammonium Ion	0.00004	0.1592	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0097	µg/m ³	V0
Calcium Ion	0.0021	0.0315	µg/m ³	V0
Fluoride Ion	0.00001	0.0066	µg/m ³	V0
Chloride Ion	0.0014	0.0038	µg/m ³	V0
Nitrate Ion	0.0002	0.0471	µg/m ³	V0
Sulphate Ion	0.0001	0.9159	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200524
Start Date:	2022-02-11 15:05	End Date:	2022-02-11 15:06	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0008	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200528
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:09	Duration:	24.2 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(86940/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.1	m ³	V0
Temperature		-24.0	°C	
Pressure		745.9	mmHg	
Particulate Matter	0.042	11.701	µg/m ³	V0
Sodium Ion	0.0006	0.0921	µg/m ³	V0
Ammonium Ion	0.00004	1.8658	µg/m ³	V4
Potassium Ion	0.0001	0.0116	µg/m ³	V0
Magnesium Ion	0.00005	0.0195	µg/m ³	V0
Calcium Ion	0.0021	0.0354	µg/m ³	V0
Fluoride Ion	0.00001	0.0060	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0305	µg/m ³	V0
Sulphate Ion	0.0001	3.7482	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200544
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		717.2	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Sodium Ion	0.0006	0.0474	µg/m ³	V0
Ammonium Ion	0.00004	0.0297	µg/m ³	V0
Potassium Ion	0.0001	0.0064	µg/m ³	V0
Magnesium Ion	0.00005	0.0063	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0102	µg/m ³	V0
Chloride Ion	0.0014	0.0057	µg/m ³	V0
Nitrate Ion	0.0002	0.0507	µg/m ³	V0
Sulphate Ion	0.0001	0.6433	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200550
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		725.1	mmHg	
Particulate Matter	0.042	2.042	µg/m ³	V0
Sodium Ion	0.0006	0.0247	µg/m ³	V0
Ammonium Ion	0.00004	0.2000	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0063	µg/m ³	V0
Calcium Ion	0.0021	0.0163	µg/m ³	V0
Fluoride Ion	0.00001	0.0037	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0503	µg/m ³	V0
Sulphate Ion	0.0001	0.6696	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200556
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		723.1	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Sodium Ion	0.0006	0.0668	µg/m ³	V0
Ammonium Ion	0.00004	0.1624	µg/m ³	V0
Potassium Ion	0.0001	0.0066	µg/m ³	V0
Magnesium Ion	0.00005	0.0135	µg/m ³	V0
Calcium Ion	0.0021	0.0134	µg/m ³	V0
Fluoride Ion	0.00001	0.0076	µg/m ³	V0
Chloride Ion	0.0014	0.0025	µg/m ³	V0
Nitrate Ion	0.0002	0.0801	µg/m ³	V0
Sulphate Ion	0.0001	0.9436	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-02-16 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-02-17 00:00

Set Index: 1
WBEA ID: 220200560
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		747.0	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Sodium Ion	0.0006	0.0769	µg/m ³	V0
Ammonium Ion	0.00004	0.6589	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0119	µg/m ³	V0
Calcium Ion	0.0021	0.0195	µg/m ³	V0
Fluoride Ion	0.00001	0.0073	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.3627	µg/m ³	V0
Sulphate Ion	0.0001	1.2445	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-02-16 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-02-17 00:00

Set Index: 1
WBEA ID: 220200567
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		737.5	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Sodium Ion	0.0006	0.0729	µg/m ³	V0
Ammonium Ion	0.00004	0.6341	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0146	µg/m ³	V0
Calcium Ion	0.0021	0.0130	µg/m ³	V0
Fluoride Ion	0.00001	0.0070	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2075	µg/m ³	V0
Sulphate Ion	0.0001	1.3028	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200586
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		725.5	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Sodium Ion	0.0006	0.0355	µg/m ³	V0
Ammonium Ion	0.00004	0.1583	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0058	µg/m ³	V0
Calcium Ion	0.0021	0.0218	µg/m ³	V0
Fluoride Ion	0.00001	0.0077	µg/m ³	V0
Chloride Ion	0.0014	0.0066	µg/m ³	V0
Nitrate Ion	0.0002	0.0244	µg/m ³	V0
Sulphate Ion	0.0001	0.6639	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200596
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		753.7	mmHg	
Particulate Matter	0.042	7.125	µg/m ³	V0
Sodium Ion	0.0006	0.0938	µg/m ³	V0
Ammonium Ion	0.00004	0.7173	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0102	µg/m ³	V0
Calcium Ion	0.0021	0.0584	µg/m ³	V0
Fluoride Ion	0.00001	0.0060	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2855	µg/m ³	V0
Sulphate Ion	0.0001	1.4472	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Janvier
Start Date: 2022-02-22 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-02-23 00:00

Set Index: 1
WBEA ID: 220200606
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-20.0	°C	
Pressure		733.2	mmHg	
Particulate Matter	0.042	1.833	µg/m ³	V0
Sodium Ion	0.0006	0.0300	µg/m ³	V0
Ammonium Ion	0.00004	0.1880	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0055	µg/m ³	V0
Calcium Ion	0.0021	0.0163	µg/m ³	V0
Fluoride Ion	0.00001	0.0060	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0245	µg/m ³	V0
Sulphate Ion	0.0001	0.7394	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-02-22 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-02-23 00:00

Set Index: 1
WBEA ID: 220200620
Duration: 24.0 hr

Notes

Gloved finger accidentally touched filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		754.9	mmHg	
Particulate Matter	0.042	5.042	µg/m ³	V0
Sodium Ion	0.0006	0.0718	µg/m ³	V0
Ammonium Ion	0.00004	0.4029	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0077	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0073	µg/m ³	V0
Chloride Ion	0.0014	0.0060	µg/m ³	V0
Nitrate Ion	0.0002	0.4083	µg/m ³	V0
Sulphate Ion	0.0001	0.8866	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200627
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		731.0	mmHg	
Particulate Matter	0.042	3.292	µg/m ³	V0
Sodium Ion	0.0006	0.0394	µg/m ³	V0
Ammonium Ion	0.00004	0.1951	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0064	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0060	µg/m ³	V0
Chloride Ion	0.0014	0.0027	µg/m ³	V0
Nitrate Ion	0.0002	0.0335	µg/m ³	V0
Sulphate Ion	0.0001	0.8372	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200643
Start Date:	2022-02-22 13:45	End Date:	2022-02-22 13:46	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	0.0009	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0028	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200645
Start Date:	2022-02-22 14:00	End Date:	2022-02-23 14:00	Duration:	24.0 hr

Notes

Sample ran from 14:00 to 14:00 instead of 00:00 to 00:00 due to filters not arriving in time.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		738.9	mmHg	
Particulate Matter	0.042	4.417	µg/m ³	V0
Sodium Ion	0.0006	0.0449	µg/m ³	V0
Ammonium Ion	0.00004	0.0930	µg/m ³	V0
Potassium Ion	0.0001	0.0076	µg/m ³	V0
Magnesium Ion	0.00005	0.0057	µg/m ³	V0
Calcium Ion	0.0021	0.0258	µg/m ³	V0
Fluoride Ion	0.00001	0.0088	µg/m ³	V0
Chloride Ion	0.0014	0.0065	µg/m ³	V0
Nitrate Ion	0.0002	0.1773	µg/m ³	V0
Sulphate Ion	0.0001	0.7405	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-02-24 12:10

Samp Use: Field Procedure Blank
Loc ID: ATHV
End Date: 2022-02-24 12:11

Set Index: 1
WBEA ID: 220200691
Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.458	µg/m ³	V0
Sodium Ion	0.0006	0.0015	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0058	µg/m ³	V0
Chloride Ion	0.0014	0.0016	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200647
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		738.8	mmHg	
Particulate Matter	0.042	5.083	µg/m ³	V0
Sodium Ion	0.0006	0.0783	µg/m ³	V0
Ammonium Ion	0.00004	0.2443	µg/m ³	V0
Potassium Ion	0.0001	0.0099	µg/m ³	V0
Magnesium Ion	0.00005	0.0142	µg/m ³	V0
Calcium Ion	0.0021	0.0242	µg/m ³	V0
Fluoride Ion	0.00001	0.0061	µg/m ³	V0
Chloride Ion	0.0014	0.0078	µg/m ³	V0
Nitrate Ion	0.0002	0.0788	µg/m ³	V0
Sulphate Ion	0.0001	1.1872	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200667
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.1	°C	
Pressure		710.5	mmHg	
Particulate Matter	0.042	2.708	µg/m ³	V0
Sodium Ion	0.0006	0.0342	µg/m ³	V0
Ammonium Ion	0.00004	0.0712	µg/m ³	V0
Potassium Ion	0.0001	0.0048	µg/m ³	V0
Magnesium Ion	0.00005	0.0052	µg/m ³	V0
Calcium Ion	0.0021	0.0099	µg/m ³	V0
Fluoride Ion	0.00001	0.0071	µg/m ³	V0
Chloride Ion	0.0014	0.0016	µg/m ³	V0
Nitrate Ion	0.0002	0.5193	µg/m ³	V0
Sulphate Ion	0.0001	1.7781	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200675
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.7	°C	
Pressure		718.1	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Sodium Ion	0.0006	0.0419	µg/m ³	V0
Ammonium Ion	0.00004	0.0990	µg/m ³	V0
Potassium Ion	0.0001	0.0057	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0089	µg/m ³	V0
Chloride Ion	0.0014	0.0022	µg/m ³	V0
Nitrate Ion	0.0002	0.0167	µg/m ³	V0
Sulphate Ion	0.0001	0.9181	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200685
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		727.6	mmHg	
Particulate Matter	0.042	7.542	µg/m ³	V0
Sodium Ion	0.0006	0.0622	µg/m ³	V0
Ammonium Ion	0.00004	0.8315	µg/m ³	V0
Potassium Ion	0.0001	0.0102	µg/m ³	V0
Magnesium Ion	0.00005	0.0114	µg/m ³	V0
Calcium Ion	0.0021	0.0162	µg/m ³	V0
Fluoride Ion	0.00001	0.0088	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0364	µg/m ³	V0
Sulphate Ion	0.0001	2.0936	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200697
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		739.6	mmHg	
Particulate Matter	0.042	8.333	µg/m ³	V0
Sodium Ion	0.0006	0.0786	µg/m ³	V0
Ammonium Ion	0.00004	0.8611	µg/m ³	V0
Potassium Ion	0.0001	0.0379	µg/m ³	V0
Magnesium Ion	0.00005	0.0128	µg/m ³	V0
Calcium Ion	0.0021	0.0183	µg/m ³	V0
Fluoride Ion	0.00001	0.0066	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.4863	µg/m ³	V0
Sulphate Ion	0.0001	1.8361	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200704
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		716.8	mmHg	
Particulate Matter	0.042	3.792	µg/m ³	V0
Sodium Ion	0.0006	0.0467	µg/m ³	V0
Ammonium Ion	0.00004	0.2669	µg/m ³	V0
Potassium Ion	0.0001	0.0053	µg/m ³	V0
Magnesium Ion	0.00005	0.0073	µg/m ³	V0
Calcium Ion	0.0021	0.0153	µg/m ³	V0
Fluoride Ion	0.00001	0.0081	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0390	µg/m ³	V0
Sulphate Ion	0.0001	1.1096	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300810
Start Date:	2022-03-03 10:35	End Date:	2022-03-03 10:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-0.250	µg/m ³	V0
Sodium Ion	0.0006	0.0012	µg/m ³	V0
Ammonium Ion	0.00004	0.0016	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0026	µg/m ³	V0
Nitrate Ion	0.0002	0.0049	µg/m ³	V0
Sulphate Ion	0.0001	0.0006	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-03-06 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-03-07 00:00

Set Index: 1
WBEA ID: 220300756
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.9	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	3.958	µg/m ³	V0
Sodium Ion	0.0006	0.1671	µg/m ³	V0
Ammonium Ion	0.00004	0.4317	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0281	µg/m ³	V0
Calcium Ion	0.0021	0.0244	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0681	µg/m ³	V0
Nitrate Ion	0.0002	0.2154	µg/m ³	V0
Sulphate Ion	0.0001	1.3216	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300764
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.1	°C	
Pressure		738.8	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Sodium Ion	0.0006	0.0179	µg/m ³	V0
Ammonium Ion	0.00004	0.2329	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0043	µg/m ³	V0
Calcium Ion	0.0021	0.0190	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.2835	µg/m ³	V0
Nitrate Ion	0.0002	0.0338	µg/m ³	V0
Sulphate Ion	0.0001	0.8093	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300797
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.6	°C	
Pressure		714.5	mmHg	
Particulate Matter	0.042	3.958	µg/m ³	V0
Sodium Ion	0.0006	0.0125	µg/m ³	V0
Ammonium Ion	0.00004	0.2601	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0028	µg/m ³	V0
Calcium Ion	0.0021	0.0149	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0029	µg/m ³	V0
Nitrate Ion	0.0002	0.0358	µg/m ³	V0
Sulphate Ion	0.0001	0.6896	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300804
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.2	°C	
Pressure		721.5	mmHg	
Particulate Matter	0.042	1.667	µg/m ³	V0
Sodium Ion	0.0006	0.0140	µg/m ³	V0
Ammonium Ion	0.00004	0.2358	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0022	µg/m ³	V0
Nitrate Ion	0.0002	0.0314	µg/m ³	V0
Sulphate Ion	0.0001	0.6583	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300814
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.4	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	1.750	µg/m ³	V0
Sodium Ion	0.0006	0.0122	µg/m ³	V0
Ammonium Ion	0.00004	0.2122	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0139	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0033	µg/m ³	V0
Nitrate Ion	0.0002	0.0334	µg/m ³	V0
Sulphate Ion	0.0001	0.5542	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-03-06 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-07 00:00

Set Index: 1
WBEA ID: 220300821
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.8	°C	
Pressure		742.2	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Sodium Ion	0.0006	0.0483	µg/m ³	V0
Ammonium Ion	0.00004	0.2662	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.0200	µg/m ³	V0
Fluoride Ion	0.00001	0.0037	µg/m ³	V0
Chloride Ion	0.0014	0.0049	µg/m ³	V0
Nitrate Ion	0.0002	0.1841	µg/m ³	V0
Sulphate Ion	0.0001	0.6946	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-03-06 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-07 00:00

Set Index: 1
WBEA ID: 220300825
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.8	°C	
Pressure		728.4	mmHg	
Particulate Matter	0.042	2.542	µg/m ³	V0
Sodium Ion	0.0006	0.0182	µg/m ³	V0
Ammonium Ion	0.00004	0.3437	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0142	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0051	µg/m ³	V0
Nitrate Ion	0.0002	0.0416	µg/m ³	V0
Sulphate Ion	0.0001	0.9136	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300866
Start Date:	2022-03-10 16:15	End Date:	2022-03-10 16:16	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0023	µg/m ³	V0
Ammonium Ion	0.00004	0.0020	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0255	µg/m ³	V0
Nitrate Ion	0.0002	0.0065	µg/m ³	V0
Sulphate Ion	0.0001	0.0009	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300839
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.5	°C	
Pressure		728.8	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Sodium Ion	0.0006	0.0957	µg/m ³	V0
Ammonium Ion	0.00004	0.2885	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0153	µg/m ³	V0
Calcium Ion	0.0021	0.0269	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0038	µg/m ³	V0
Nitrate Ion	0.0002	0.3930	µg/m ³	V0
Sulphate Ion	0.0001	0.7957	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300848
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		728.6	mmHg	
Particulate Matter	0.042	1.875	µg/m ³	V0
Sodium Ion	0.0006	0.1638	µg/m ³	V0
Ammonium Ion	0.00004	0.1364	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0251	µg/m ³	V0
Calcium Ion	0.0021	0.0199	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1514	µg/m ³	V0
Nitrate Ion	0.0002	0.2070	µg/m ³	V0
Sulphate Ion	0.0001	0.4496	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Conklin
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300872
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.9	°C	
Pressure		702.0	mmHg	
Particulate Matter	0.042	2.875	µg/m ³	V0
Sodium Ion	0.0006	0.0345	µg/m ³	V0
Ammonium Ion	0.00004	0.3552	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0045	µg/m ³	V0
Calcium Ion	0.0021	0.0153	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0022	µg/m ³	V0
Nitrate Ion	0.0002	0.2016	µg/m ³	V0
Sulphate Ion	0.0001	0.9109	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300877
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.6	°C	
Pressure		708.8	mmHg	
Particulate Matter	0.042	3.167	µg/m ³	V0
Sodium Ion	0.0006	0.0410	µg/m ³	V0
Ammonium Ion	0.00004	0.4744	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0055	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0022	µg/m ³	V0
Nitrate Ion	0.0002	0.4577	µg/m ³	V0
Sulphate Ion	0.0001	1.0242	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300886
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.0	°C	
Pressure		708.1	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Sodium Ion	0.0006	0.0680	µg/m ³	V0
Ammonium Ion	0.00004	0.3934	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0102	µg/m ³	V0
Calcium Ion	0.0021	0.0201	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0027	µg/m ³	V0
Nitrate Ion	0.0002	0.2560	µg/m ³	V0
Sulphate Ion	0.0001	1.0583	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300892
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.6	°C	
Pressure		730.9	mmHg	
Particulate Matter	0.042	6.500	µg/m ³	V0
Sodium Ion	0.0006	0.1611	µg/m ³	V0
Ammonium Ion	0.00004	0.4359	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0194	µg/m ³	V0
Calcium Ion	0.0021	0.1180	µg/m ³	V0
Fluoride Ion	0.00001	0.0019	µg/m ³	V0
Chloride Ion	0.0014	0.0826	µg/m ³	V0
Nitrate Ion	0.0002	0.8603	µg/m ³	V0
Sulphate Ion	0.0001	0.9825	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300896
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.9	°C	
Pressure		716.3	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Sodium Ion	0.0006	0.0753	µg/m ³	V0
Ammonium Ion	0.00004	0.4097	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0111	µg/m ³	V0
Calcium Ion	0.0021	0.0209	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0198	µg/m ³	V0
Nitrate Ion	0.0002	0.4088	µg/m ³	V0
Sulphate Ion	0.0001	1.0080	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300904
Start Date:	2022-03-14 10:15	End Date:	2022-03-14 10:16	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.375	µg/m ³	V0
Sodium Ion	0.0006	0.0036	µg/m ³	V0
Ammonium Ion	0.00004	0.0021	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0138	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0022	µg/m ³	V0
Nitrate Ion	0.0002	0.0104	µg/m ³	V0
Sulphate Ion	0.0001	0.0011	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-03-18 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-03-19 00:00

Set Index: 1
WBEA ID: 220100249
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.3	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	1.708	µg/m ³	V0
Sodium Ion	0.0006	0.0160	µg/m ³	V0
Ammonium Ion	0.00004	0.1406	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0037	µg/m ³	V0
Calcium Ion	0.0021	0.0155	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0040	µg/m ³	V0
Nitrate Ion	0.0002	0.0294	µg/m ³	V0
Sulphate Ion	0.0001	0.4090	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300908
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.6	°C	
Pressure		711.7	mmHg	
Particulate Matter	0.042	3.625	µg/m ³	V0
Sodium Ion	0.0006	0.0187	µg/m ³	V0
Ammonium Ion	0.00004	0.0787	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	0.0618	µg/m ³	V0
Nitrate Ion	0.0002	0.0278	µg/m ³	V0
Sulphate Ion	0.0001	0.1489	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300919
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		704.9	mmHg	
Particulate Matter	0.042	1.500	µg/m ³	V0
Sodium Ion	0.0006	0.0198	µg/m ³	V0
Ammonium Ion	0.00004	0.0420	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0165	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0160	µg/m ³	V0
Nitrate Ion	0.0002	0.0353	µg/m ³	V0
Sulphate Ion	0.0001	0.1164	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300936
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.8	°C	
Pressure		729.0	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Sodium Ion	0.0006	0.0092	µg/m ³	V0
Ammonium Ion	0.00004	0.0815	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0028	µg/m ³	V0
Calcium Ion	0.0021	0.0146	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0278	µg/m ³	V0
Nitrate Ion	0.0002	0.0414	µg/m ³	V0
Sulphate Ion	0.0001	0.2103	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-03-18 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-19 00:00

Set Index: 1
WBEA ID: 220300970
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.5	°C	
Pressure		716.7	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Sodium Ion	0.0006	0.0179	µg/m ³	V0
Ammonium Ion	0.00004	0.0875	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0116	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0040	µg/m ³	V0
Nitrate Ion	0.0002	0.0510	µg/m ³	V0
Sulphate Ion	0.0001	0.2558	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300977
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.4	°C	
Pressure		710.2	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Sodium Ion	0.0006	0.0094	µg/m ³	V0
Ammonium Ion	0.00004	0.0605	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0091	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0045	µg/m ³	V0
Nitrate Ion	0.0002	0.0252	µg/m ³	V0
Sulphate Ion	0.0001	0.1674	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-03-18 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-19 00:00

Set Index: 1
WBEA ID: 220300983
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.0	°C	
Pressure		732.0	mmHg	
Particulate Matter	0.042	3.917	µg/m ³	V0
Sodium Ion	0.0006	0.1147	µg/m ³	V0
Ammonium Ion	0.00004	0.0624	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0032	µg/m ³	V0
Calcium Ion	0.0021	0.0226	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1127	µg/m ³	V0
Nitrate Ion	0.0002	0.1296	µg/m ³	V0
Sulphate Ion	0.0001	0.2023	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301012
Start Date:	2022-03-22 12:20	End Date:	2022-03-22 12:21	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.375	µg/m ³	V0
Sodium Ion	0.0006	0.0014	µg/m ³	V0
Ammonium Ion	0.00004	0.0019	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0026	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0007	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300987
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		740.1	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Sodium Ion	0.0006	0.2091	µg/m ³	V0
Ammonium Ion	0.00004	0.2059	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0289	µg/m ³	V0
Calcium Ion	0.0021	0.0268	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1484	µg/m ³	V0
Nitrate Ion	0.0002	0.2002	µg/m ³	V0
Sulphate Ion	0.0001	0.8069	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300999
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.7	°C	
Pressure		712.1	mmHg	
Particulate Matter	0.042	2.583	µg/m ³	V0
Sodium Ion	0.0006	0.0358	µg/m ³	V0
Ammonium Ion	0.00004	0.2033	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0063	µg/m ³	V0
Calcium Ion	0.0021	0.0165	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0025	µg/m ³	V0
Nitrate Ion	0.0002	0.0578	µg/m ³	V0
Sulphate Ion	0.0001	0.6825	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301017
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.5	°C	
Pressure		740.4	mmHg	
Particulate Matter	0.042	2.708	µg/m ³	V0
Sodium Ion	0.0006	0.1405	µg/m ³	V0
Ammonium Ion	0.00004	0.2107	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0202	µg/m ³	V0
Calcium Ion	0.0021	0.0294	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0828	µg/m ³	V0
Nitrate Ion	0.0002	0.1553	µg/m ³	V0
Sulphate Ion	0.0001	0.7271	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301034
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.4	°C	
Pressure		719.9	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Sodium Ion	0.0006	0.0577	µg/m ³	V0
Ammonium Ion	0.00004	0.4118	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0112	µg/m ³	V0
Calcium Ion	0.0021	0.0136	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0027	µg/m ³	V0
Nitrate Ion	0.0002	0.0719	µg/m ³	V0
Sulphate Ion	0.0001	1.5973	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-03-24 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-25 00:00

Set Index: 1
WBEA ID: 220301053
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.0	°C	
Pressure		728.9	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Sodium Ion	0.0006	0.1520	µg/m ³	V0
Ammonium Ion	0.00004	0.5047	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0231	µg/m ³	V0
Calcium Ion	0.0021	0.1961	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1027	µg/m ³	V0
Nitrate Ion	0.0002	0.1843	µg/m ³	V0
Sulphate Ion	0.0001	1.5238	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301060
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.0	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Sodium Ion	0.0006	0.0871	µg/m ³	V0
Ammonium Ion	0.00004	0.3770	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0125	µg/m ³	V0
Calcium Ion	0.0021	0.0201	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0189	µg/m ³	V0
Nitrate Ion	0.0002	0.1177	µg/m ³	V0
Sulphate Ion	0.0001	1.2404	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-03-24 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-25 00:00

Set Index: 1
WBEA ID: 220301068
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.5	°C	
Pressure		742.3	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Sodium Ion	0.0006	0.1263	µg/m ³	V0
Ammonium Ion	0.00004	0.4025	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0173	µg/m ³	V0
Calcium Ion	0.0021	0.0330	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0452	µg/m ³	V0
Nitrate Ion	0.0002	0.1669	µg/m ³	V0
Sulphate Ion	0.0001	1.2295	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301078
Start Date:	2022-03-25 08:04	End Date:	2022-03-25 08:05	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.500	µg/m ³	V0
Sodium Ion	0.0006	0.0043	µg/m ³	V0
Ammonium Ion	0.00004	0.0022	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0284	µg/m ³	V0
Nitrate Ion	0.0002	0.0050	µg/m ³	V0
Sulphate Ion	0.0001	0.0008	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301080
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.3	°C	
Pressure		716.0	mmHg	
Particulate Matter	0.042	6.208	µg/m ³	V0
Sodium Ion	0.0006	0.0338	µg/m ³	V0
Ammonium Ion	0.00004	0.5299	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0084	µg/m ³	V0
Calcium Ion	0.0021	0.0679	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0014	µg/m ³	V0
Nitrate Ion	0.0002	0.1039	µg/m ³	V0
Sulphate Ion	0.0001	1.3972	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301087
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.5	°C	
Pressure		709.6	mmHg	
Particulate Matter	0.042	4.125	µg/m ³	V0
Sodium Ion	0.0006	0.0199	µg/m ³	V0
Ammonium Ion	0.00004	0.3071	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0052	µg/m ³	V0
Calcium Ion	0.0021	0.0560	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0318	µg/m ³	V0
Nitrate Ion	0.0002	0.0522	µg/m ³	V0
Sulphate Ion	0.0001	0.8486	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-31 00:00

Set Index: 1
WBEA ID: 220301098
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.5	°C	
Pressure		731.5	mmHg	
Particulate Matter	0.042	5.958	µg/m ³	V0
Sodium Ion	0.0006	0.0553	µg/m ³	V0
Ammonium Ion	0.00004	0.4541	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0097	µg/m ³	V0
Calcium Ion	0.0021	0.1066	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0174	µg/m ³	V0
Nitrate Ion	0.0002	0.1276	µg/m ³	V0
Sulphate Ion	0.0001	1.2548	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301104
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.0	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	6.000	µg/m ³	V0
Sodium Ion	0.0006	0.0394	µg/m ³	V0
Ammonium Ion	0.00004	0.3592	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0129	µg/m ³	V0
Calcium Ion	0.0021	0.1137	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0255	µg/m ³	V0
Nitrate Ion	0.0002	0.0985	µg/m ³	V0
Sulphate Ion	0.0001	0.9728	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220301146
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.8	°C	
Pressure		703.5	mmHg	
Particulate Matter	0.042	9.000	µg/m ³	V0
Sodium Ion	0.0006	0.0310	µg/m ³	V0
Ammonium Ion	0.00004	0.3577	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0150	µg/m ³	V0
Calcium Ion	0.0021	0.1030	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	0.0437	µg/m ³	V0
Nitrate Ion	0.0002	0.0674	µg/m ³	V0
Sulphate Ion	0.0001	0.9863	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301152
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.5	°C	
Pressure		710.6	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Sodium Ion	0.0006	0.0197	µg/m ³	V0
Ammonium Ion	0.00004	0.3084	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0127	µg/m ³	V0
Calcium Ion	0.0021	0.0350	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0111	µg/m ³	V0
Nitrate Ion	0.0002	0.0461	µg/m ³	V0
Sulphate Ion	0.0001	0.8526	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-03-31 00:00

Set Index: 1
WBEA ID: 220301131
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	
Temperature		-0.4	°C	
Pressure		729.0	mmHg	
Particulate Matter	0.042	2.625	µg/m ³	
Sodium Ion	0.0006	0.0700	µg/m ³	
Ammonium Ion	0.00004	0.2675	µg/m ³	
Potassium Ion	0.0001	0.0000	µg/m ³	
Magnesium Ion	0.00005	0.0106	µg/m ³	
Calcium Ion	0.0021	0.0199	µg/m ³	
Fluoride Ion	0.00001	0.0006	µg/m ³	
Chloride Ion	0.0014	0.1575	µg/m ³	
Nitrate Ion	0.0002	0.1160	µg/m ³	
Sulphate Ion	0.0001	0.7303	µg/m ³	
Phosphate Ion	0.0018	0.0000	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220301201
Start Date:	2022-03-31 11:24	End Date:	2022-03-31 11:25	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.458	µg/m ³	V0
Sodium Ion	0.0006	0.0024	µg/m ³	V0
Ammonium Ion	0.00004	0.0028	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0081	µg/m ³	V0
Fluoride Ion	0.00001	0.0013	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0078	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220301183
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.4	°C	
Pressure		713.3	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Sodium Ion	0.0006	0.0111	µg/m ³	V0
Ammonium Ion	0.00004	0.3072	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0189	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1190	µg/m ³	V0
Nitrate Ion	0.0002	0.0288	µg/m ³	V0
Sulphate Ion	0.0001	0.7364	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301190
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		707.1	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Sodium Ion	0.0006	0.0099	µg/m ³	V0
Ammonium Ion	0.00004	0.2819	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0038	µg/m ³	V0
Calcium Ion	0.0021	0.0350	µg/m ³	V0
Fluoride Ion	0.00001	0.0046	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0328	µg/m ³	V0
Sulphate Ion	0.0001	0.6549	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220301205
Duration: 24.0 hr

Notes

When deploying the disc, it was dropped and in the attempt to catch it, a gloved (nitrile) finger touched the filter and the filter ripped a little bit.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.9	°C	
Pressure		729.2	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Sodium Ion	0.0006	0.0114	µg/m ³	V0
Ammonium Ion	0.00004	0.1285	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0022	µg/m ³	V0
Calcium Ion	0.0021	0.0197	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0394	µg/m ³	V0
Sulphate Ion	0.0001	0.3279	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401220
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87060/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V6
Temperature		7.7	°C	
Pressure		726.5	mmHg	
Particulate Matter	0.042	3.471	µg/m ³	V0
Sodium Ion	0.0006	0.0102	µg/m ³	V0
Ammonium Ion	0.00004	0.3231	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0036	µg/m ³	V0
Calcium Ion	0.0021	0.0222	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0023	µg/m ³	V0
Nitrate Ion	0.0002	0.1568	µg/m ³	V0
Sulphate Ion	0.0001	0.7377	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220401234
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.5	°C	
Pressure		725.8	mmHg	
Particulate Matter	0.042	1.833	µg/m ³	V0
Sodium Ion	0.0006	0.0086	µg/m ³	V0
Ammonium Ion	0.00004	0.1882	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0041	µg/m ³	V0
Calcium Ion	0.0021	0.0120	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0906	µg/m ³	V0
Nitrate Ion	0.0002	0.0109	µg/m ³	V0
Sulphate Ion	0.0001	0.4805	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401242
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.6	°C	
Pressure		701.0	mmHg	
Particulate Matter	0.042	1.833	µg/m ³	V0
Sodium Ion	0.0006	0.0035	µg/m ³	V0
Ammonium Ion	0.00004	0.2280	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0086	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1364	µg/m ³	V0
Nitrate Ion	0.0002	0.0137	µg/m ³	V0
Sulphate Ion	0.0001	0.5495	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Janvier
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220401254
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.3	°C	
Pressure		708.1	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Sodium Ion	0.0006	0.0070	µg/m ³	V0
Ammonium Ion	0.00004	0.2514	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0081	µg/m ³	V0
Calcium Ion	0.0021	0.0109	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0144	µg/m ³	V0
Sulphate Ion	0.0001	0.6442	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401263
Start Date:	2022-04-06 09:00	End Date:	2022-04-06 09:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Sodium Ion	0.0006	0.0024	µg/m ³	V0
Ammonium Ion	0.00004	0.0031	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0066	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0064	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401280
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.3	°C	
Pressure		710.2	mmHg	
Particulate Matter	0.042	1.833	µg/m ³	V0
Sodium Ion	0.0006	0.0203	µg/m ³	V0
Ammonium Ion	0.00004	0.1985	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0042	µg/m ³	V0
Calcium Ion	0.0021	0.0276	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0069	µg/m ³	V0
Nitrate Ion	0.0002	0.0335	µg/m ³	V0
Sulphate Ion	0.0001	0.6272	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401285
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.6	°C	
Pressure		717.7	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Sodium Ion	0.0006	0.0187	µg/m ³	V0
Ammonium Ion	0.00004	0.2036	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0054	µg/m ³	V0
Calcium Ion	0.0021	0.0189	µg/m ³	V0
Fluoride Ion	0.00001	0.0012	µg/m ³	V0
Chloride Ion	0.0014	0.0076	µg/m ³	V0
Nitrate Ion	0.0002	0.0328	µg/m ³	V0
Sulphate Ion	0.0001	0.6930	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401305
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		717.4	mmHg	
Particulate Matter	0.042	1.417	µg/m ³	V0
Sodium Ion	0.0006	0.0154	µg/m ³	V0
Ammonium Ion	0.00004	0.1180	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0033	µg/m ³	V0
Calcium Ion	0.0021	0.0123	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0020	µg/m ³	V0
Nitrate Ion	0.0002	0.0336	µg/m ³	V0
Sulphate Ion	0.0001	0.3407	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401325
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.3	°C	
Pressure		739.1	mmHg	
Particulate Matter	0.042	1.792	µg/m ³	V0
Sodium Ion	0.0006	0.0209	µg/m ³	V0
Ammonium Ion	0.00004	0.1271	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0046	µg/m ³	V0
Calcium Ion	0.0021	0.0246	µg/m ³	V0
Fluoride Ion	0.00001	0.0011	µg/m ³	V0
Chloride Ion	0.0014	0.0077	µg/m ³	V0
Nitrate Ion	0.0002	0.0411	µg/m ³	V0
Sulphate Ion	0.0001	0.3747	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-04-11 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-04-12 00:00

Set Index: 1
WBEA ID: 220401336
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.5	°C	
Pressure		740.8	mmHg	
Particulate Matter	0.042	2.125	µg/m ³	V0
Sodium Ion	0.0006	0.0215	µg/m ³	V0
Ammonium Ion	0.00004	0.2067	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0046	µg/m ³	V0
Calcium Ion	0.0021	0.0226	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	0.0037	µg/m ³	V0
Nitrate Ion	0.0002	0.0465	µg/m ³	V0
Sulphate Ion	0.0001	0.5737	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-04-11 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-04-12 00:00

Set Index: 1
WBEA ID: 220401343
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		722.4	mmHg	
Particulate Matter	0.042	2.542	µg/m ³	V0
Sodium Ion	0.0006	0.0196	µg/m ³	V0
Ammonium Ion	0.00004	0.1793	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0043	µg/m ³	V0
Calcium Ion	0.0021	0.0212	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0437	µg/m ³	V0
Sulphate Ion	0.0001	0.4840	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-04-11 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-04-12 00:00

Set Index: 1
WBEA ID: 220401413
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		739.3	mmHg	
Particulate Matter	0.042	1.125	µg/m ³	V0
Sodium Ion	0.0006	0.0025	µg/m ³	V0
Ammonium Ion	0.00004	0.0026	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0126	µg/m ³	V0
Fluoride Ion	0.00001	0.0052	µg/m ³	V0
Chloride Ion	0.0014	0.0056	µg/m ³	V0
Nitrate Ion	0.0002	0.0094	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401422
Start Date:	2022-04-14 08:19	End Date:	2022-04-14 08:20	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Sodium Ion	0.0006	0.0012	µg/m ³	V0
Ammonium Ion	0.00004	0.0022	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Conklin
Start Date: 2022-04-17 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-04-18 00:00

Set Index: 1
WBEA ID: 220401352
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.9	°C	
Pressure		715.4	mmHg	
Particulate Matter	0.042	4.125	µg/m ³	V0
Sodium Ion	0.0006	0.0134	µg/m ³	V0
Ammonium Ion	0.00004	0.2657	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0089	µg/m ³	V0
Calcium Ion	0.0021	0.0621	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0351	µg/m ³	V0
Sulphate Ion	0.0001	0.7017	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401364
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.8	°C	
Pressure		723.0	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Sodium Ion	0.0006	0.0114	µg/m ³	V0
Ammonium Ion	0.00004	0.2442	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0049	µg/m ³	V0
Calcium Ion	0.0021	0.0253	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1410	µg/m ³	V0
Nitrate Ion	0.0002	0.0284	µg/m ³	V0
Sulphate Ion	0.0001	0.6688	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401370
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

Small piece of grass found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.9	°C	
Pressure		742.5	mmHg	
Particulate Matter	0.042	5.042	µg/m ³	V0
Sodium Ion	0.0006	0.0316	µg/m ³	V0
Ammonium Ion	0.00004	0.2976	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0122	µg/m ³	V0
Calcium Ion	0.0021	0.1188	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0053	µg/m ³	V0
Nitrate Ion	0.0002	0.0828	µg/m ³	V0
Sulphate Ion	0.0001	0.8446	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-04-17 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-04-18 00:00**

Set Index: **1**
WBEA ID: **220401391**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.2	°C	
Pressure		744.6	mmHg	
Particulate Matter	0.042	6.625	µg/m ³	V0
Sodium Ion	0.0006	0.0320	µg/m ³	V0
Ammonium Ion	0.00004	0.4328	µg/m ³	V0
Potassium Ion	0.0001	0.0288	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0569	µg/m ³	V0
Fluoride Ion	0.00001	0.0055	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0869	µg/m ³	V0
Sulphate Ion	0.0001	1.1129	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401396
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.9	°C	
Pressure		743.5	mmHg	
Particulate Matter	0.042	1.875	µg/m ³	V0
Sodium Ion	0.0006	0.0995	µg/m ³	V4
Ammonium Ion	0.00004	0.2068	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0147	µg/m ³	V0
Calcium Ion	0.0021	0.0212	µg/m ³	V0
Fluoride Ion	0.00001	0.0001	µg/m ³	V0
Chloride Ion	0.0014	0.0811	µg/m ³	V0
Nitrate Ion	0.0002	0.1228	µg/m ³	V0
Sulphate Ion	0.0001	0.6262	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401401
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.3	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	4.292	µg/m ³	V0
Sodium Ion	0.0006	0.0250	µg/m ³	V0
Ammonium Ion	0.00004	0.4867	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0054	µg/m ³	V0
Calcium Ion	0.0021	0.0467	µg/m ³	V0
Fluoride Ion	0.00001	0.0019	µg/m ³	V0
Chloride Ion	0.0014	0.0038	µg/m ³	V0
Nitrate Ion	0.0002	0.0787	µg/m ³	V0
Sulphate Ion	0.0001	1.2239	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401416
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.7	°C	
Pressure		721.9	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Sodium Ion	0.0006	0.0124	µg/m ³	V0
Ammonium Ion	0.00004	0.2957	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.0252	µg/m ³	V0
Fluoride Ion	0.00001	0.0017	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0312	µg/m ³	V0
Sulphate Ion	0.0001	0.7607	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401830
Start Date:	2022-04-20 14:25	End Date:	2022-04-20 14:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.
Filter holder broke apart during deployment/collection. I do not believe sample was impacted.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-0.250	µg/m ³	V0
Sodium Ion	0.0006	0.0011	µg/m ³	V0
Ammonium Ion	0.00004	0.0014	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0058	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401431
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.3	°C	
Pressure		741.3	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Sodium Ion	0.0006	0.0147	µg/m ³	V0
Ammonium Ion	0.00004	0.4269	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0214	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0421	µg/m ³	V0
Sulphate Ion	0.0001	1.0852	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401864
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.2	°C	
Pressure		714.7	mmHg	
Particulate Matter	0.042	3.958	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.4490	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0440	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0040	µg/m ³	V0
Nitrate Ion	0.0002	0.0270	µg/m ³	V0
Sulphate Ion	0.0001	1.1650	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401876
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

Low sample volume and short sampling duration due to power outage.(85200/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		9.1	°C	
Pressure		722.1	mmHg	
Particulate Matter	0.042	5.485	µg/m ³	V0
Sodium Ion	0.0006	0.0093	µg/m ³	V0
Ammonium Ion	0.00004	0.4218	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0085	µg/m ³	V0
Calcium Ion	0.0021	0.0537	µg/m ³	V0
Fluoride Ion	0.00001	0.0008	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0422	µg/m ³	V0
Sulphate Ion	0.0001	1.1052	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401888
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.3	°C	
Pressure		741.1	mmHg	
Particulate Matter	0.042	5.333	µg/m ³	V0
Sodium Ion	0.0006	0.0113	µg/m ³	V0
Ammonium Ion	0.00004	0.4089	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	0.1096	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0466	µg/m ³	V0
Sulphate Ion	0.0001	1.0207	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401915
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.2	°C	
Pressure		721.1	mmHg	
Particulate Matter	0.042	3.958	µg/m ³	V0
Sodium Ion	0.0006	0.0079	µg/m ³	V0
Ammonium Ion	0.00004	0.3934	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.0394	µg/m ³	V0
Fluoride Ion	0.00001	0.0017	µg/m ³	V0
Chloride Ion	0.0014	0.0045	µg/m ³	V0
Nitrate Ion	0.0002	0.0394	µg/m ³	V0
Sulphate Ion	0.0001	1.0256	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401921
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.3	°C	
Pressure		743.3	mmHg	
Particulate Matter	0.042	6.417	µg/m ³	V0
Sodium Ion	0.0006	0.0230	µg/m ³	V0
Ammonium Ion	0.00004	0.5020	µg/m ³	V0
Potassium Ion	0.0001	0.0450	µg/m ³	V0
Magnesium Ion	0.00005	0.0090	µg/m ³	V0
Calcium Ion	0.0021	0.1460	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0060	µg/m ³	V0
Nitrate Ion	0.0002	0.0950	µg/m ³	V0
Sulphate Ion	0.0001	1.3380	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401925
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.7	°C	
Pressure		729.8	mmHg	
Particulate Matter	0.042	6.875	µg/m ³	V0
Sodium Ion	0.0006	0.0230	µg/m ³	V0
Ammonium Ion	0.00004	0.5048	µg/m ³	V0
Potassium Ion	0.0001	0.0182	µg/m ³	V0
Magnesium Ion	0.00005	0.0111	µg/m ³	V0
Calcium Ion	0.0021	0.1938	µg/m ³	V0
Fluoride Ion	0.00001	0.0026	µg/m ³	V0
Chloride Ion	0.0014	0.0066	µg/m ³	V0
Nitrate Ion	0.0002	0.0823	µg/m ³	V0
Sulphate Ion	0.0001	1.3146	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401974
Start Date:	2022-04-26 14:10	End Date:	2022-04-26 14:11	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0022	µg/m ³	V0
Ammonium Ion	0.00004	0.0017	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0093	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0047	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-04-29 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-04-30 00:00

Set Index: 1
WBEA ID: 220401967
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.8	°C	
Pressure		740.5	mmHg	
Particulate Matter	0.042	7.792	µg/m ³	V0
Sodium Ion	0.0006	0.0692	µg/m ³	V0
Ammonium Ion	0.00004	0.2288	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0128	µg/m ³	V0
Calcium Ion	0.0021	0.3830	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0464	µg/m ³	V0
Nitrate Ion	0.0002	0.1345	µg/m ³	V0
Sulphate Ion	0.0001	0.6400	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401976
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.4	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	1.083	µg/m ³	V0
Sodium Ion	0.0006	0.0032	µg/m ³	V0
Ammonium Ion	0.00004	0.0908	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0047	µg/m ³	V0
Calcium Ion	0.0021	0.0142	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0047	µg/m ³	V0
Nitrate Ion	0.0002	0.0184	µg/m ³	V0
Sulphate Ion	0.0001	0.2669	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-04-29 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-04-30 00:00

Set Index: 1
WBEA ID: 220401982
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.1	°C	
Pressure		726.3	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Sodium Ion	0.0006	0.0197	µg/m ³	V0
Ammonium Ion	0.00004	0.2956	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0054	µg/m ³	V0
Calcium Ion	0.0021	0.0440	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0068	µg/m ³	V0
Nitrate Ion	0.0002	0.0532	µg/m ³	V0
Sulphate Ion	0.0001	0.7602	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401987
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.2	°C	
Pressure		712.1	mmHg	
Particulate Matter	0.042	1.042	µg/m ³	V0
Sodium Ion	0.0006	0.0037	µg/m ³	V0
Ammonium Ion	0.00004	0.0641	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0233	µg/m ³	V0
Fluoride Ion	0.00001	0.0015	µg/m ³	V0
Chloride Ion	0.0014	0.0056	µg/m ³	V0
Nitrate Ion	0.0002	0.0172	µg/m ³	V0
Sulphate Ion	0.0001	0.1912	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401995
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.7	°C	
Pressure		718.1	mmHg	
Particulate Matter	0.042	1.833	µg/m ³	V0
Sodium Ion	0.0006	0.0081	µg/m ³	V0
Ammonium Ion	0.00004	0.1596	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0025	µg/m ³	V0
Calcium Ion	0.0021	0.0172	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0215	µg/m ³	V0
Sulphate Ion	0.0001	0.4104	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220402029
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.0	°C	
Pressure		738.2	mmHg	
Particulate Matter	0.042	3.375	µg/m ³	V0
Sodium Ion	0.0006	0.0223	µg/m ³	V0
Ammonium Ion	0.00004	0.2148	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0075	µg/m ³	V0
Calcium Ion	0.0021	0.0531	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0051	µg/m ³	V0
Nitrate Ion	0.0002	0.0404	µg/m ³	V0
Sulphate Ion	0.0001	0.5579	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Ion	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502103	
Start Date:	2022-05-03 15:40	End Date:	2022-05-03 15:41	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0023	µg/m ³	V0
Ammonium Ion	0.00004	0.0009	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0049	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0064	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502059
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.5	°C	
Pressure		708.6	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Sodium Ion	0.0006	0.0050	µg/m ³	V0
Ammonium Ion	0.00004	0.1741	µg/m ³	V0
Potassium Ion	0.0001	0.0077	µg/m ³	V0
Magnesium Ion	0.00005	0.0029	µg/m ³	V0
Calcium Ion	0.0021	0.0255	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0183	µg/m ³	V0
Sulphate Ion	0.0001	0.4106	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-05-05 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-05-06 00:00

Set Index: 1
WBEA ID: 220502065
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.3	°C	
Pressure		730.0	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Sodium Ion	0.0006	0.0379	µg/m ³	V0
Ammonium Ion	0.00004	0.1455	µg/m ³	V0
Potassium Ion	0.0001	0.0101	µg/m ³	V0
Magnesium Ion	0.00005	0.0096	µg/m ³	V0
Calcium Ion	0.0021	0.1036	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0484	µg/m ³	V0
Nitrate Ion	0.0002	0.0255	µg/m ³	V0
Sulphate Ion	0.0001	0.3358	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-05-05 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-06 00:00

Set Index: 1
WBEA ID: 220502080
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.2	°C	
Pressure		714.4	mmHg	
Particulate Matter	0.042	2.625	µg/m ³	V0
Sodium Ion	0.0006	0.0120	µg/m ³	V0
Ammonium Ion	0.00004	0.1414	µg/m ³	V0
Potassium Ion	0.0001	0.0104	µg/m ³	V0
Magnesium Ion	0.00005	0.0043	µg/m ³	V0
Calcium Ion	0.0021	0.0406	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.0097	µg/m ³	V0
Nitrate Ion	0.0002	0.0209	µg/m ³	V0
Sulphate Ion	0.0001	0.3312	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502107
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.4	°C	
Pressure		727.2	mmHg	
Particulate Matter	0.042	7.625	µg/m ³	V0
Sodium Ion	0.0006	0.0118	µg/m ³	V0
Ammonium Ion	0.00004	0.9958	µg/m ³	V0
Potassium Ion	0.0001	0.0152	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.1498	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0311	µg/m ³	V0
Sulphate Ion	0.0001	2.6692	µg/m ³	V4
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Conklin
Start Date: 2022-05-05 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-05-06 00:00

Set Index: 1
WBEA ID: 220502134
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.9	°C	
Pressure		702.2	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Sodium Ion	0.0006	0.0071	µg/m ³	V0
Ammonium Ion	0.00004	0.1922	µg/m ³	V0
Potassium Ion	0.0001	0.0098	µg/m ³	V0
Magnesium Ion	0.00005	0.0064	µg/m ³	V0
Calcium Ion	0.0021	0.0380	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	0.0049	µg/m ³	V0
Nitrate Ion	0.0002	0.0200	µg/m ³	V0
Sulphate Ion	0.0001	0.4598	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502142
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.6	°C	
Pressure		709.5	mmHg	
Particulate Matter	0.042	2.125	µg/m ³	V0
Sodium Ion	0.0006	0.0067	µg/m ³	V0
Ammonium Ion	0.00004	0.1475	µg/m ³	V0
Potassium Ion	0.0001	0.0085	µg/m ³	V0
Magnesium Ion	0.00005	0.0034	µg/m ³	V0
Calcium Ion	0.0021	0.0205	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0059	µg/m ³	V0
Nitrate Ion	0.0002	0.0200	µg/m ³	V0
Sulphate Ion	0.0001	0.3785	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502146
Start Date:	2022-05-06 10:00	End Date:	2022-05-06 10:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0017	µg/m ³	V0
Ammonium Ion	0.00004	0.0009	µg/m ³	V0
Potassium Ion	0.0001	0.0023	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0056	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502152
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.7	°C	
Pressure		725.1	mmHg	
Particulate Matter	0.042	3.375	µg/m ³	V0
Sodium Ion	0.0006	0.0178	µg/m ³	V0
Ammonium Ion	0.00004	0.2083	µg/m ³	V0
Potassium Ion	0.0001	0.0104	µg/m ³	V0
Magnesium Ion	0.00005	0.0053	µg/m ³	V0
Calcium Ion	0.0021	0.0438	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0049	µg/m ³	V0
Nitrate Ion	0.0002	0.0386	µg/m ³	V0
Sulphate Ion	0.0001	0.5225	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502176
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.9	°C	
Pressure		736.8	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Sodium Ion	0.0006	0.0209	µg/m ³	V0
Ammonium Ion	0.00004	0.1361	µg/m ³	V0
Potassium Ion	0.0001	0.0049	µg/m ³	V0
Magnesium Ion	0.00005	0.0047	µg/m ³	V0
Calcium Ion	0.0021	0.0659	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0036	µg/m ³	V0
Nitrate Ion	0.0002	0.0453	µg/m ³	V0
Sulphate Ion	0.0001	0.3520	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-05-12 00:00

Set Index: 1
WBEA ID: 220502186
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		739.3	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Sodium Ion	0.0006	0.0156	µg/m ³	V0
Ammonium Ion	0.00004	0.2167	µg/m ³	V0
Potassium Ion	0.0001	0.0062	µg/m ³	V0
Magnesium Ion	0.00005	0.0049	µg/m ³	V0
Calcium Ion	0.0021	0.0376	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0053	µg/m ³	V0
Nitrate Ion	0.0002	0.0296	µg/m ³	V0
Sulphate Ion	0.0001	0.5314	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-05-12 00:00

Set Index: 1
WBEA ID: 220502200
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		740.7	mmHg	
Particulate Matter	0.042	0.792	µg/m ³	V0
Sodium Ion	0.0006	0.0023	µg/m ³	V0
Ammonium Ion	0.00004	0.0039	µg/m ³	V0
Potassium Ion	0.0001	0.0017	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0041	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0051	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0273	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Conklin
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-05-12 00:00

Set Index: 1
WBEA ID: 220502206
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.0	°C	
Pressure		711.3	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Sodium Ion	0.0006	0.0122	µg/m ³	V0
Ammonium Ion	0.00004	0.1663	µg/m ³	V0
Potassium Ion	0.0001	0.0061	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0378	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0078	µg/m ³	V0
Nitrate Ion	0.0002	0.0292	µg/m ³	V0
Sulphate Ion	0.0001	0.4339	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502212
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.6	°C	
Pressure		718.8	mmHg	
Particulate Matter	0.042	1.458	µg/m ³	V0
Sodium Ion	0.0006	0.0085	µg/m ³	V0
Ammonium Ion	0.00004	0.1449	µg/m ³	V0
Potassium Ion	0.0001	0.0051	µg/m ³	V0
Magnesium Ion	0.00005	0.0014	µg/m ³	V0
Calcium Ion	0.0021	0.0146	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.0032	µg/m ³	V0
Nitrate Ion	0.0002	0.0225	µg/m ³	V0
Sulphate Ion	0.0001	0.4055	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502220
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.8	°C	
Pressure		717.5	mmHg	
Particulate Matter	0.042	1.083	µg/m ³	V0
Sodium Ion	0.0006	0.0092	µg/m ³	V0
Ammonium Ion	0.00004	0.1745	µg/m ³	V0
Potassium Ion	0.0001	0.0042	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0128	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0054	µg/m ³	V0
Nitrate Ion	0.0002	0.0153	µg/m ³	V0
Sulphate Ion	0.0001	0.4430	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502227
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.6	°C	
Pressure		737.8	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Sodium Ion	0.0006	0.0035	µg/m ³	V0
Ammonium Ion	0.00004	0.1620	µg/m ³	V0
Potassium Ion	0.0001	0.0041	µg/m ³	V0
Magnesium Ion	0.00005	0.0019	µg/m ³	V0
Calcium Ion	0.0021	0.0212	µg/m ³	V0
Fluoride Ion	0.00001	0.0208	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0069	µg/m ³	V0
Sulphate Ion	0.0001	0.3901	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502242
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		734.3	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Sodium Ion	0.0006	0.0035	µg/m ³	V0
Ammonium Ion	0.00004	0.2479	µg/m ³	V0
Potassium Ion	0.0001	0.0033	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0430	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0027	µg/m ³	V0
Nitrate Ion	0.0002	0.0238	µg/m ³	V0
Sulphate Ion	0.0001	0.5777	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-05-17 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-05-18 00:00

Set Index: 1
WBEA ID: 220502261
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.8	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Sodium Ion	0.0006	0.0147	µg/m ³	V0
Ammonium Ion	0.00004	0.1490	µg/m ³	V0
Potassium Ion	0.0001	0.0089	µg/m ³	V0
Magnesium Ion	0.00005	0.0116	µg/m ³	V0
Calcium Ion	0.0021	0.1595	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0213	µg/m ³	V0
Nitrate Ion	0.0002	0.0347	µg/m ³	V0
Sulphate Ion	0.0001	0.3667	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-05-17 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-18 00:00

Set Index: 1
WBEA ID: 220502268
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.5	°C	
Pressure		722.4	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Sodium Ion	0.0006	0.0045	µg/m ³	V0
Ammonium Ion	0.00004	0.1551	µg/m ³	V0
Potassium Ion	0.0001	0.0059	µg/m ³	V0
Magnesium Ion	0.00005	0.0023	µg/m ³	V0
Calcium Ion	0.0021	0.0188	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0037	µg/m ³	V0
Nitrate Ion	0.0002	0.0175	µg/m ³	V0
Sulphate Ion	0.0001	0.3767	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502279
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.3	°C	
Pressure		709.5	mmHg	
Particulate Matter	0.042	1.292	µg/m ³	V0
Sodium Ion	0.0006	0.0053	µg/m ³	V0
Ammonium Ion	0.00004	0.0660	µg/m ³	V0
Potassium Ion	0.0001	0.0096	µg/m ³	V0
Magnesium Ion	0.00005	0.0038	µg/m ³	V0
Calcium Ion	0.0021	0.0280	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0090	µg/m ³	V0
Nitrate Ion	0.0002	0.0185	µg/m ³	V0
Sulphate Ion	0.0001	0.1905	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502285
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.0	°C	
Pressure		716.8	mmHg	
Particulate Matter	0.042	1.500	µg/m ³	V0
Sodium Ion	0.0006	0.0028	µg/m ³	V0
Ammonium Ion	0.00004	0.0546	µg/m ³	V0
Potassium Ion	0.0001	0.0050	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0131	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0024	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1641	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502291
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.7	°C	
Pressure		715.5	mmHg	
Particulate Matter	0.042	1.375	µg/m ³	V0
Sodium Ion	0.0006	0.0035	µg/m ³	V0
Ammonium Ion	0.00004	0.0943	µg/m ³	V0
Potassium Ion	0.0001	0.0047	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0159	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0019	µg/m ³	V0
Nitrate Ion	0.0002	0.0079	µg/m ³	V0
Sulphate Ion	0.0001	0.2475	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502303
Start Date:	2022-05-19 08:14	End Date:	2022-05-19 08:15	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0014	µg/m ³	V0
Ammonium Ion	0.00004	0.0009	µg/m ³	V0
Potassium Ion	0.0001	0.0017	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0028	µg/m ³	V0
Chloride Ion	0.0014	0.0017	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502305
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.6	°C	
Pressure		716.5	mmHg	
Particulate Matter	0.042	1.250	µg/m ³	V0
Sodium Ion	0.0006	0.0032	µg/m ³	V0
Ammonium Ion	0.00004	0.1180	µg/m ³	V0
Potassium Ion	0.0001	0.0044	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0326	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0064	µg/m ³	V0
Nitrate Ion	0.0002	0.0098	µg/m ³	V0
Sulphate Ion	0.0001	0.2997	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502321
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.2	°C	
Pressure		738.6	mmHg	
Particulate Matter	0.042	2.625	µg/m ³	V0
Sodium Ion	0.0006	0.0078	µg/m ³	V0
Ammonium Ion	0.00004	0.1745	µg/m ³	V0
Potassium Ion	0.0001	0.0115	µg/m ³	V0
Magnesium Ion	0.00005	0.0033	µg/m ³	V0
Calcium Ion	0.0021	0.0836	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0055	µg/m ³	V0
Nitrate Ion	0.0002	0.0245	µg/m ³	V0
Sulphate Ion	0.0001	0.4194	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502328
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.5	°C	
Pressure		724.2	mmHg	
Particulate Matter	0.042	4.000	µg/m ³	V0
Sodium Ion	0.0006	0.0110	µg/m ³	V0
Ammonium Ion	0.00004	0.2470	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.1230	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0170	µg/m ³	V0
Nitrate Ion	0.0002	0.0290	µg/m ³	V0
Sulphate Ion	0.0001	0.5890	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Conklin
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502345
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.7	°C	
Pressure		709.8	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Sodium Ion	0.0006	0.0079	µg/m ³	V0
Ammonium Ion	0.00004	0.1845	µg/m ³	V0
Potassium Ion	0.0001	0.0073	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0209	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0161	µg/m ³	V0
Nitrate Ion	0.0002	0.0132	µg/m ³	V0
Sulphate Ion	0.0001	0.4864	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502352
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.8	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	2.333	µg/m ³	V0
Sodium Ion	0.0006	0.0045	µg/m ³	V0
Ammonium Ion	0.00004	0.0718	µg/m ³	V0
Potassium Ion	0.0001	0.0029	µg/m ³	V0
Magnesium Ion	0.00005	0.0032	µg/m ³	V0
Calcium Ion	0.0021	0.1457	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0019	µg/m ³	V0
Nitrate Ion	0.0002	0.0126	µg/m ³	V0
Sulphate Ion	0.0001	0.2043	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502371
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.3	°C	
Pressure		717.3	mmHg	
Particulate Matter	0.042	1.500	µg/m ³	V0
Sodium Ion	0.0006	0.0016	µg/m ³	V0
Ammonium Ion	0.00004	0.1353	µg/m ³	V0
Potassium Ion	0.0001	0.0022	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0103	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0113	µg/m ³	V0
Sulphate Ion	0.0001	0.3677	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502314
Start Date:	2022-05-24 00:00	End Date:	2022-05-25 00:00	Duration:	24.0 hr

Notes

Sample deployed on day after NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.8	°C	
Pressure		740.1	mmHg	
Particulate Matter	0.042	1.167	µg/m ³	V0
Sodium Ion	0.0006	0.0072	µg/m ³	V0
Ammonium Ion	0.00004	0.1564	µg/m ³	V0
Potassium Ion	0.0001	0.0041	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0078	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0033	µg/m ³	V0
Nitrate Ion	0.0002	0.0121	µg/m ³	V0
Sulphate Ion	0.0001	0.4104	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502396
Start Date:	2022-05-24 11:51	End Date:	2022-05-24 11:52	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0029	µg/m ³	V0
Ammonium Ion	0.00004	0.0007	µg/m ³	V0
Potassium Ion	0.0001	0.0042	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0175	µg/m ³	V0
Fluoride Ion	0.00001	0.0013	µg/m ³	V0
Chloride Ion	0.0014	0.0086	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502392
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		704.1	mmHg	
Particulate Matter	0.042	1.750	µg/m ³	V0
Sodium Ion	0.0006	0.0015	µg/m ³	V0
Ammonium Ion	0.00004	0.0996	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0089	µg/m ³	V0
Fluoride Ion	0.00001	0.0015	µg/m ³	V0
Chloride Ion	0.0014	0.0024	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2640	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502406
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.0	°C	
Pressure		710.9	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Sodium Ion	0.0006	0.0016	µg/m ³	V0
Ammonium Ion	0.00004	0.1195	µg/m ³	V0
Potassium Ion	0.0001	0.0073	µg/m ³	V0
Magnesium Ion	0.00005	0.0016	µg/m ³	V0
Calcium Ion	0.0021	0.0069	µg/m ³	V0
Fluoride Ion	0.00001	0.0005	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0086	µg/m ³	V0
Sulphate Ion	0.0001	0.3011	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502411
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		710.2	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Sodium Ion	0.0006	0.0059	µg/m ³	V0
Ammonium Ion	0.00004	0.1023	µg/m ³	V0
Potassium Ion	0.0001	0.0161	µg/m ³	V0
Magnesium Ion	0.00005	0.0055	µg/m ³	V0
Calcium Ion	0.0021	0.0098	µg/m ³	V0
Fluoride Ion	0.00001	0.0026	µg/m ³	V0
Chloride Ion	0.0014	0.0043	µg/m ³	V0
Nitrate Ion	0.0002	0.0112	µg/m ³	V0
Sulphate Ion	0.0001	0.3088	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502419
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.7	°C	
Pressure		729.3	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Sodium Ion	0.0006	0.0027	µg/m ³	V0
Ammonium Ion	0.00004	0.0729	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0174	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0024	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1906	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-05-29 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-05-30 00:00

Set Index: 1
WBEA ID: 220502435
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	3.958	µg/m ³	V0
Sodium Ion	0.0006	0.0034	µg/m ³	V0
Ammonium Ion	0.00004	0.0949	µg/m ³	V0
Potassium Ion	0.0001	0.0174	µg/m ³	V0
Magnesium Ion	0.00005	0.0019	µg/m ³	V0
Calcium Ion	0.0021	0.0362	µg/m ³	V0
Fluoride Ion	0.00001	0.0037	µg/m ³	V0
Chloride Ion	0.0014	0.0014	µg/m ³	V0
Nitrate Ion	0.0002	0.0188	µg/m ³	V0
Sulphate Ion	0.0001	0.2608	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-05-29 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-30 00:00

Set Index: 1
WBEA ID: 220502441
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.1	°C	
Pressure		716.2	mmHg	
Particulate Matter	0.042	2.875	µg/m ³	V0
Sodium Ion	0.0006	0.0032	µg/m ³	V0
Ammonium Ion	0.00004	0.1338	µg/m ³	V0
Potassium Ion	0.0001	0.0059	µg/m ³	V0
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.0271	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0045	µg/m ³	V0
Nitrate Ion	0.0002	0.0129	µg/m ³	V0
Sulphate Ion	0.0001	0.3400	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-05-29 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-05-30 00:00

Set Index: 1
WBEA ID: 220502450
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.1	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Sodium Ion	0.0006	0.0065	µg/m ³	V0
Ammonium Ion	0.00004	0.0007	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0237	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0284	µg/m ³	V0
Nitrate Ion	0.0002	0.0077	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602563
Start Date:	2022-06-03 11:25	End Date:	2022-06-03 11:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0019	µg/m ³	V0
Ammonium Ion	0.00004	0.0002	µg/m ³	V0
Potassium Ion	0.0001	0.0016	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0105	µg/m ³	V0
Chloride Ion	0.0014	0.0017	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602511
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.4	°C	
Pressure		737.3	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Sodium Ion	0.0006	0.0047	µg/m ³	V0
Ammonium Ion	0.00004	0.0941	µg/m ³	V0
Potassium Ion	0.0001	0.0070	µg/m ³	V0
Magnesium Ion	0.00005	0.0032	µg/m ³	V0
Calcium Ion	0.0021	0.0134	µg/m ³	V0
Fluoride Ion	0.00001	0.0074	µg/m ³	V0
Chloride Ion	0.0014	0.0054	µg/m ³	V0
Nitrate Ion	0.0002	0.0094	µg/m ³	V0
Sulphate Ion	0.0001	0.2458	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602527
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.7	°C	
Pressure		733.6	mmHg	
Particulate Matter	0.042	5.042	µg/m ³	V0
Sodium Ion	0.0006	0.0199	µg/m ³	V0
Ammonium Ion	0.00004	0.1093	µg/m ³	V0
Potassium Ion	0.0001	0.0067	µg/m ³	V0
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	0.3245	µg/m ³	V0
Fluoride Ion	0.00001	0.0101	µg/m ³	V0
Chloride Ion	0.0014	0.0072	µg/m ³	V0
Nitrate Ion	0.0002	0.0131	µg/m ³	V0
Sulphate Ion	0.0001	0.2684	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-06-04 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-05 00:00

Set Index: 1
WBEA ID: 220602551
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.6	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Sodium Ion	0.0006	0.0169	µg/m ³	V0
Ammonium Ion	0.00004	0.1005	µg/m ³	V0
Potassium Ion	0.0001	0.0133	µg/m ³	V0
Magnesium Ion	0.00005	0.0176	µg/m ³	V0
Calcium Ion	0.0021	0.1886	µg/m ³	V0
Fluoride Ion	0.00001	0.0106	µg/m ³	V0
Chloride Ion	0.0014	0.0176	µg/m ³	V0
Nitrate Ion	0.0002	0.0260	µg/m ³	V0
Sulphate Ion	0.0001	0.2446	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-06-04 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-06-05 00:00

Set Index: 1
WBEA ID: 220602556
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		721.3	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Sodium Ion	0.0006	0.0094	µg/m ³	V0
Ammonium Ion	0.00004	0.1011	µg/m ³	V0
Potassium Ion	0.0001	0.0195	µg/m ³	V0
Magnesium Ion	0.00005	0.0048	µg/m ³	V0
Calcium Ion	0.0021	0.0461	µg/m ³	V0
Fluoride Ion	0.00001	0.0107	µg/m ³	V0
Chloride Ion	0.0014	0.0031	µg/m ³	V0
Nitrate Ion	0.0002	0.0118	µg/m ³	V0
Sulphate Ion	0.0001	0.2435	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602569
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		717.0	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Sodium Ion	0.0006	0.0034	µg/m ³	V0
Ammonium Ion	0.00004	0.0934	µg/m ³	V0
Potassium Ion	0.0001	0.0053	µg/m ³	V0
Magnesium Ion	0.00005	0.0032	µg/m ³	V0
Calcium Ion	0.0021	0.0217	µg/m ³	V0
Fluoride Ion	0.00001	0.0090	µg/m ³	V0
Chloride Ion	0.0014	0.0040	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2400	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602576
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		715.4	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Sodium Ion	0.0006	0.0072	µg/m ³	V0
Ammonium Ion	0.00004	0.1159	µg/m ³	V0
Potassium Ion	0.0001	0.0081	µg/m ³	V0
Magnesium Ion	0.00005	0.0036	µg/m ³	V0
Calcium Ion	0.0021	0.0435	µg/m ³	V0
Fluoride Ion	0.00001	0.0101	µg/m ³	V0
Chloride Ion	0.0014	0.0074	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2608	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602582
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		708.9	mmHg	
Particulate Matter	0.042	3.667	µg/m ³	V0
Sodium Ion	0.0006	0.0086	µg/m ³	V0
Ammonium Ion	0.00004	0.1289	µg/m ³	V0
Potassium Ion	0.0001	0.0122	µg/m ³	V0
Magnesium Ion	0.00005	0.0101	µg/m ³	V0
Calcium Ion	0.0021	0.0677	µg/m ³	V0
Fluoride Ion	0.00001	0.0108	µg/m ³	V0
Chloride Ion	0.0014	0.0083	µg/m ³	V0
Nitrate Ion	0.0002	0.0131	µg/m ³	V0
Sulphate Ion	0.0001	0.3098	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602639
Start Date:	2022-06-09 12:35	End Date:	2022-06-09 12:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0029	µg/m ³	V0
Ammonium Ion	0.00004	0.0002	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0100	µg/m ³	V0
Chloride Ion	0.0014	0.0043	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602594
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		702.9	mmHg	
Particulate Matter	0.042	3.833	µg/m ³	V0
Sodium Ion	0.0006	0.0055	µg/m ³	V0
Ammonium Ion	0.00004	0.2061	µg/m ³	V0
Potassium Ion	0.0001	0.0064	µg/m ³	V0
Magnesium Ion	0.00005	0.0067	µg/m ³	V0
Calcium Ion	0.0021	0.0174	µg/m ³	V0
Fluoride Ion	0.00001	0.0051	µg/m ³	V0
Chloride Ion	0.0014	0.0035	µg/m ³	V0
Nitrate Ion	0.0002	0.0125	µg/m ³	V0
Sulphate Ion	0.0001	0.5522	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602600
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.1	°C	
Pressure		711.0	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Sodium Ion	0.0006	0.0037	µg/m ³	V0
Ammonium Ion	0.00004	0.1557	µg/m ³	V0
Potassium Ion	0.0001	0.0085	µg/m ³	V0
Magnesium Ion	0.00005	0.0138	µg/m ³	V0
Calcium Ion	0.0021	0.0142	µg/m ³	V0
Fluoride Ion	0.00001	0.0109	µg/m ³	V0
Chloride Ion	0.0014	0.0023	µg/m ³	V0
Nitrate Ion	0.0002	0.0169	µg/m ³	V0
Sulphate Ion	0.0001	0.4720	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602608
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Sodium Ion	0.0006	0.0044	µg/m ³	V0
Ammonium Ion	0.00004	0.2110	µg/m ³	V0
Potassium Ion	0.0001	0.0065	µg/m ³	V0
Magnesium Ion	0.00005	0.0065	µg/m ³	V0
Calcium Ion	0.0021	0.0291	µg/m ³	V0
Fluoride Ion	0.00001	0.0085	µg/m ³	V0
Chloride Ion	0.0014	0.0054	µg/m ³	V0
Nitrate Ion	0.0002	0.0115	µg/m ³	V0
Sulphate Ion	0.0001	0.5421	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602620
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

Power outage caused short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.9	m ³	V6
Temperature		13.9	°C	
Pressure		709.6	mmHg	
Particulate Matter	0.042	4.477	µg/m ³	V0
Sodium Ion	0.0006	0.0049	µg/m ³	V0
Ammonium Ion	0.00004	0.2261	µg/m ³	V0
Potassium Ion	0.0001	0.0089	µg/m ³	V0
Magnesium Ion	0.00005	0.0029	µg/m ³	V0
Calcium Ion	0.0021	0.0153	µg/m ³	V0
Fluoride Ion	0.00001	0.0083	µg/m ³	V0
Chloride Ion	0.0014	0.0023	µg/m ³	V0
Nitrate Ion	0.0002	0.0147	µg/m ³	V0
Sulphate Ion	0.0001	0.6129	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-06-10 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-11 00:00

Set Index: 1
WBEA ID: 220602626
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.9	°C	
Pressure		730.3	mmHg	
Particulate Matter	0.042	6.833	µg/m ³	V0
Sodium Ion	0.0006	0.0144	µg/m ³	V0
Ammonium Ion	0.00004	0.2001	µg/m ³	V0
Potassium Ion	0.0001	0.0128	µg/m ³	V0
Magnesium Ion	0.00005	0.0047	µg/m ³	V0
Calcium Ion	0.0021	0.0832	µg/m ³	V0
Fluoride Ion	0.00001	0.0119	µg/m ³	V0
Chloride Ion	0.0014	0.0067	µg/m ³	V0
Nitrate Ion	0.0002	0.0491	µg/m ³	V0
Sulphate Ion	0.0001	0.5764	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602629
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.9	°C	
Pressure		714.5	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Sodium Ion	0.0006	0.0064	µg/m ³	V0
Ammonium Ion	0.00004	0.2141	µg/m ³	V0
Potassium Ion	0.0001	0.0086	µg/m ³	V0
Magnesium Ion	0.00005	0.0043	µg/m ³	V0
Calcium Ion	0.0021	0.0228	µg/m ³	V0
Fluoride Ion	0.00001	0.0097	µg/m ³	V0
Chloride Ion	0.0014	0.0051	µg/m ³	V0
Nitrate Ion	0.0002	0.0192	µg/m ³	V0
Sulphate Ion	0.0001	0.5538	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602643
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.5	°C	
Pressure		729.0	mmHg	
Particulate Matter	0.042	6.833	µg/m ³	V0
Sodium Ion	0.0006	0.0068	µg/m ³	V0
Ammonium Ion	0.00004	0.3852	µg/m ³	V0
Potassium Ion	0.0001	0.0073	µg/m ³	V0
Magnesium Ion	0.00005	0.0021	µg/m ³	V0
Calcium Ion	0.0021	0.0583	µg/m ³	V0
Fluoride Ion	0.00001	0.0110	µg/m ³	V0
Chloride Ion	0.0014	0.0024	µg/m ³	V0
Nitrate Ion	0.0002	0.0485	µg/m ³	V0
Sulphate Ion	0.0001	0.9824	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602675
Start Date:	2022-06-13 11:19	End Date:	2022-06-13 11:20	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	0.0025	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0024	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0076	µg/m ³	V0
Chloride Ion	0.0014	0.0051	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602679
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		730.3	mmHg	
Particulate Matter	0.042	6.625	µg/m ³	V0
Sodium Ion	0.0006	0.0054	µg/m ³	V0
Ammonium Ion	0.00004	0.1130	µg/m ³	V0
Potassium Ion	0.0001	0.0162	µg/m ³	V0
Magnesium Ion	0.00005	0.0089	µg/m ³	V0
Calcium Ion	0.0021	0.0308	µg/m ³	V0
Fluoride Ion	0.00001	0.0109	µg/m ³	V0
Chloride Ion	0.0014	0.0032	µg/m ³	V0
Nitrate Ion	0.0002	0.0123	µg/m ³	V0
Sulphate Ion	0.0001	0.2666	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-06-16 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-17 00:00

Set Index: 1
WBEA ID: 220602684
Duration: 24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.1	m ³	V0
Temperature		17.8	°C	
Pressure		737.6	mmHg	
Particulate Matter	0.042	7.925	µg/m ³	V0
Sodium Ion	0.0006	0.0099	µg/m ³	V0
Ammonium Ion	0.00004	0.1004	µg/m ³	V0
Potassium Ion	0.0001	0.0417	µg/m ³	V0
Magnesium Ion	0.00005	0.0057	µg/m ³	V0
Calcium Ion	0.0021	0.0692	µg/m ³	V0
Fluoride Ion	0.00001	0.0122	µg/m ³	V0
Chloride Ion	0.0014	0.0048	µg/m ³	V0
Nitrate Ion	0.0002	0.0414	µg/m ³	V0
Sulphate Ion	0.0001	0.2536	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602690
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Upon collection of sample, filter was white while other filters collected were dirty. Proceeded to leak check partisol. Found leak at v-seals. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2
Temperature		19.0	°C	
Pressure		737.6	mmHg	
Particulate Matter	0.042	-9999	µg/m ³	M2
Sodium Ion	0.0006	-9999	µg/m ³	M2
Ammonium Ion	0.00004	-9999	µg/m ³	M2
Potassium Ion	0.0001	-9999	µg/m ³	M2
Magnesium Ion	0.00005	-9999	µg/m ³	M2
Calcium Ion	0.0021	-9999	µg/m ³	M2
Fluoride Ion	0.00001	-9999	µg/m ³	M2
Chloride Ion	0.0014	-9999	µg/m ³	M2
Nitrate Ion	0.0002	-9999	µg/m ³	M2
Sulphate Ion	0.0001	-9999	µg/m ³	M2
Phosphate Ion	0.0018	-9999	µg/m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602707
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		718.6	mmHg	
Particulate Matter	0.042	5.125	µg/m ³	V0
Sodium Ion	0.0006	0.0047	µg/m ³	V0
Ammonium Ion	0.00004	0.0484	µg/m ³	V0
Potassium Ion	0.0001	0.0191	µg/m ³	V0
Magnesium Ion	0.00005	0.0111	µg/m ³	V0
Calcium Ion	0.0021	0.0093	µg/m ³	V0
Fluoride Ion	0.00001	0.0106	µg/m ³	V0
Chloride Ion	0.0014	0.0033	µg/m ³	V0
Nitrate Ion	0.0002	0.0037	µg/m ³	V0
Sulphate Ion	0.0001	0.1391	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602711
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.1	°C	
Pressure		710.6	mmHg	
Particulate Matter	0.042	6.333	µg/m ³	V0
Sodium Ion	0.0006	0.0057	µg/m ³	V0
Ammonium Ion	0.00004	0.0713	µg/m ³	V0
Potassium Ion	0.0001	0.0242	µg/m ³	V0
Magnesium Ion	0.00005	0.0039	µg/m ³	V0
Calcium Ion	0.0021	0.0293	µg/m ³	V0
Fluoride Ion	0.00001	0.0098	µg/m ³	V0
Chloride Ion	0.0014	0.0077	µg/m ³	V0
Nitrate Ion	0.0002	0.0109	µg/m ³	V0
Sulphate Ion	0.0001	0.1732	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602721
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.0	°C	
Pressure		717.4	mmHg	
Particulate Matter	0.042	5.667	µg/m ³	V0
Sodium Ion	0.0006	0.0044	µg/m ³	V0
Ammonium Ion	0.00004	0.0709	µg/m ³	V0
Potassium Ion	0.0001	0.0198	µg/m ³	V0
Magnesium Ion	0.00005	0.0034	µg/m ³	V0
Calcium Ion	0.0021	0.0120	µg/m ³	V0
Fluoride Ion	0.00001	0.0119	µg/m ³	V0
Chloride Ion	0.0014	0.0016	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1474	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602726
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.2	°C	
Pressure		740.3	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Sodium Ion	0.0006	0.0049	µg/m ³	V0
Ammonium Ion	0.00004	0.0934	µg/m ³	V0
Potassium Ion	0.0001	0.0475	µg/m ³	V0
Magnesium Ion	0.00005	0.0072	µg/m ³	V0
Calcium Ion	0.0021	0.0076	µg/m ³	V0
Fluoride Ion	0.00001	0.0123	µg/m ³	V0
Chloride Ion	0.0014	0.0024	µg/m ³	V0
Nitrate Ion	0.0002	0.0118	µg/m ³	V0
Sulphate Ion	0.0001	0.2671	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602754
Start Date:	2022-06-17 08:25	End Date:	2022-06-17 08:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.
Field Blank -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.458	µg/m ³	V0
Sodium Ion	0.0006	0.0026	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0075	µg/m ³	V0
Chloride Ion	0.0014	0.0021	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-06-22 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-06-23 00:00

Set Index: 1
WBEA ID: 220602751
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		725.3	mmHg	
Particulate Matter	0.042	5.417	µg/m ³	V0
Sodium Ion	0.0006	0.0062	µg/m ³	V0
Ammonium Ion	0.00004	0.2648	µg/m ³	V0
Potassium Ion	0.0001	0.0117	µg/m ³	V0
Magnesium Ion	0.00005	0.0044	µg/m ³	V0
Calcium Ion	0.0021	0.0303	µg/m ³	V0
Fluoride Ion	0.00001	0.0091	µg/m ³	V0
Chloride Ion	0.0014	0.0067	µg/m ³	V0
Nitrate Ion	0.0002	0.0240	µg/m ³	V0
Sulphate Ion	0.0001	0.6247	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-06-22 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-23 00:00

Set Index: 1
WBEA ID: 220602761
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	8.750	µg/m ³	V0
Sodium Ion	0.0006	0.0137	µg/m ³	V0
Ammonium Ion	0.00004	0.2773	µg/m ³	V0
Potassium Ion	0.0001	0.0216	µg/m ³	V0
Magnesium Ion	0.00005	0.0041	µg/m ³	V0
Calcium Ion	0.0021	0.1366	µg/m ³	V0
Fluoride Ion	0.00001	0.0089	µg/m ³	V0
Chloride Ion	0.0014	0.0136	µg/m ³	V0
Nitrate Ion	0.0002	0.0439	µg/m ³	V0
Sulphate Ion	0.0001	0.6651	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-06-22 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-06-23 00:00

Set Index: 1
WBEA ID: 220602767
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.1	°C	
Pressure		734.6	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Sodium Ion	0.0006	0.0032	µg/m ³	V0
Ammonium Ion	0.00004	0.0440	µg/m ³	V0
Potassium Ion	0.0001	0.0065	µg/m ³	V0
Magnesium Ion	0.00005	0.0072	µg/m ³	V0
Calcium Ion	0.0021	0.0153	µg/m ³	V0
Fluoride Ion	0.00001	0.0100	µg/m ³	V0
Chloride Ion	0.0014	0.0022	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1355	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602776
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.4	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	6.542	µg/m ³	V0
Sodium Ion	0.0006	0.0066	µg/m ³	V0
Ammonium Ion	0.00004	0.1660	µg/m ³	V0
Potassium Ion	0.0001	0.0077	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0791	µg/m ³	V0
Fluoride Ion	0.00001	0.0093	µg/m ³	V0
Chloride Ion	0.0014	0.0041	µg/m ³	V0
Nitrate Ion	0.0002	0.0342	µg/m ³	V0
Sulphate Ion	0.0001	0.3749	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602802
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.5	°C	
Pressure		707.1	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Sodium Ion	0.0006	0.0037	µg/m ³	V0
Ammonium Ion	0.00004	0.0433	µg/m ³	V0
Potassium Ion	0.0001	0.0077	µg/m ³	V0
Magnesium Ion	0.00005	0.0037	µg/m ³	V0
Calcium Ion	0.0021	0.0364	µg/m ³	V0
Fluoride Ion	0.00001	0.0078	µg/m ³	V0
Chloride Ion	0.0014	0.0045	µg/m ³	V0
Nitrate Ion	0.0002	0.0058	µg/m ³	V0
Sulphate Ion	0.0001	0.1277	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602810
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		714.9	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Sodium Ion	0.0006	0.0037	µg/m ³	V0
Ammonium Ion	0.00004	0.0477	µg/m ³	V0
Potassium Ion	0.0001	0.0081	µg/m ³	V0
Magnesium Ion	0.00005	0.0111	µg/m ³	V0
Calcium Ion	0.0021	0.0108	µg/m ³	V0
Fluoride Ion	0.00001	0.0066	µg/m ³	V0
Chloride Ion	0.0014	0.0027	µg/m ³	V0
Nitrate Ion	0.0002	0.0057	µg/m ³	V0
Sulphate Ion	0.0001	0.1663	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602820
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		713.4	mmHg	
Particulate Matter	0.042	3.750	µg/m ³	V0
Sodium Ion	0.0006	0.0065	µg/m ³	V0
Ammonium Ion	0.00004	0.1378	µg/m ³	V0
Potassium Ion	0.0001	0.0113	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	0.0081	µg/m ³	V0
Chloride Ion	0.0014	0.0040	µg/m ³	V0
Nitrate Ion	0.0002	0.0111	µg/m ³	V0
Sulphate Ion	0.0001	0.3368	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602872
Start Date:	2022-06-23 00:00	End Date:	2022-06-23 00:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Temperature		14.6	°C	
Pressure		739.5	mmHg	
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0032	µg/m ³	V0
Ammonium Ion	0.00004	0.0007	µg/m ³	V0
Potassium Ion	0.0001	0.0029	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0092	µg/m ³	V0
Fluoride Ion	0.00001	0.0113	µg/m ³	V0
Chloride Ion	0.0014	0.0059	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602868
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in a short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		21.7	m ³	V6
Temperature		18.0	°C	
Pressure		739.0	mmHg	
Particulate Matter	0.042	3.687	µg/m ³	V0
Sodium Ion	0.0006	0.0056	µg/m ³	V0
Ammonium Ion	0.00004	0.1056	µg/m ³	V0
Potassium Ion	0.0001	0.0117	µg/m ³	V0
Magnesium Ion	0.00005	0.0036	µg/m ³	V0
Calcium Ion	0.0021	0.0426	µg/m ³	V0
Fluoride Ion	0.00001	0.0094	µg/m ³	V0
Chloride Ion	0.0014	0.0058	µg/m ³	V0
Nitrate Ion	0.0002	0.0094	µg/m ³	V0
Sulphate Ion	0.0001	0.2448	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-06-28 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-29 00:00

Set Index: 1
WBEA ID: 220602887
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		739.1	mmHg	
Particulate Matter	0.042	5.167	µg/m ³	V0
Sodium Ion	0.0006	0.0082	µg/m ³	V0
Ammonium Ion	0.00004	0.1708	µg/m ³	V0
Potassium Ion	0.0001	0.0152	µg/m ³	V0
Magnesium Ion	0.00005	0.0015	µg/m ³	V0
Calcium Ion	0.0021	0.0590	µg/m ³	V0
Fluoride Ion	0.00001	0.0084	µg/m ³	V0
Chloride Ion	0.0014	0.0077	µg/m ³	V0
Nitrate Ion	0.0002	0.0191	µg/m ³	V0
Sulphate Ion	0.0001	0.3926	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602896
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		731.7	mmHg	
Particulate Matter	0.042	5.292	µg/m ³	V0
Sodium Ion	0.0006	0.0051	µg/m ³	V0
Ammonium Ion	0.00004	0.2705	µg/m ³	V0
Potassium Ion	0.0001	0.0146	µg/m ³	V0
Magnesium Ion	0.00005	0.0033	µg/m ³	V0
Calcium Ion	0.0021	0.0266	µg/m ³	V0
Fluoride Ion	0.00001	0.0078	µg/m ³	V0
Chloride Ion	0.0014	0.0039	µg/m ³	V0
Nitrate Ion	0.0002	0.0206	µg/m ³	V0
Sulphate Ion	0.0001	0.6412	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602902
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		712.8	mmHg	
Particulate Matter	0.042	8.833	µg/m ³	V0
Sodium Ion	0.0006	0.0058	µg/m ³	V0
Ammonium Ion	0.00004	0.2260	µg/m ³	V0
Potassium Ion	0.0001	0.0103	µg/m ³	V0
Magnesium Ion	0.00005	0.0016	µg/m ³	V0
Calcium Ion	0.0021	0.0537	µg/m ³	V0
Fluoride Ion	0.00001	0.0279	µg/m ³	V0
Chloride Ion	0.0014	0.0083	µg/m ³	V0
Nitrate Ion	0.0002	0.0219	µg/m ³	V0
Sulphate Ion	0.0001	0.6087	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602908
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		720.9	mmHg	
Particulate Matter	0.042	5.625	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	0.2263	µg/m ³	V0
Potassium Ion	0.0001	0.0117	µg/m ³	V0
Magnesium Ion	0.00005	0.0047	µg/m ³	V0
Calcium Ion	0.0021	0.0952	µg/m ³	V0
Fluoride Ion	0.00001	0.0110	µg/m ³	V0
Chloride Ion	0.0014	0.0055	µg/m ³	V0
Nitrate Ion	0.0002	0.0271	µg/m ³	V0
Sulphate Ion	0.0001	0.5677	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602915
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		719.0	mmHg	
Particulate Matter	0.042	4.833	µg/m ³	V0
Sodium Ion	0.0006	0.0039	µg/m ³	V0
Ammonium Ion	0.00004	0.3147	µg/m ³	V0
Potassium Ion	0.0001	0.0142	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0192	µg/m ³	V0
Fluoride Ion	0.00001	0.0104	µg/m ³	V0
Chloride Ion	0.0014	0.0037	µg/m ³	V0
Nitrate Ion	0.0002	0.0230	µg/m ³	V0
Sulphate Ion	0.0001	0.7355	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-06-28 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-06-29 00:00

Set Index: 1
WBEA ID: 220602879
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		739.0	mmHg	
Particulate Matter	0.042	2.667	µg/m ³	V0
Sodium Ion	0.0006	0.0122	µg/m ³	V0
Ammonium Ion	0.00004	0.0392	µg/m ³	V0
Potassium Ion	0.0001	0.0098	µg/m ³	V0
Magnesium Ion	0.00005	0.0039	µg/m ³	V0
Calcium Ion	0.0021	0.0236	µg/m ³	V0
Fluoride Ion	0.00001	0.0013	µg/m ³	V0
Chloride Ion	0.0014	0.0099	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1474	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220603003
Start Date:	2022-06-30 14:15	End Date:	2022-06-30 14:16	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	
Particulate Matter	0.042	0.000	µg/m ³	
Sodium Ion	0.0006	0.0081	µg/m ³	
Ammonium Ion	0.00004	0.0000	µg/m ³	
Potassium Ion	0.0001	0.0019	µg/m ³	
Magnesium Ion	0.00005	0.0000	µg/m ³	
Calcium Ion	0.0021	0.0103	µg/m ³	
Fluoride Ion	0.00001	0.0010	µg/m ³	
Chloride Ion	0.0014	0.0136	µg/m ³	
Nitrate Ion	0.0002	0.0000	µg/m ³	
Sulphate Ion	0.0001	0.0000	µg/m ³	
Phosphate Ion	0.0018	0.0000	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602942
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		740.2	mmHg	
Particulate Matter	0.042	9.042	µg/m ³	V0
Sodium Ion	0.0006	0.0196	µg/m ³	V0
Ammonium Ion	0.00004	0.0498	µg/m ³	V0
Potassium Ion	0.0001	0.0099	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.6191	µg/m ³	V0
Fluoride Ion	0.00001	0.0082	µg/m ³	V0
Chloride Ion	0.0014	0.0091	µg/m ³	V0
Nitrate Ion	0.0002	0.0222	µg/m ³	V0
Sulphate Ion	0.0001	0.1492	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602961
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		732.9	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Sodium Ion	0.0006	0.0126	µg/m ³	V0
Ammonium Ion	0.00004	0.0349	µg/m ³	V0
Potassium Ion	0.0001	0.0182	µg/m ³	V0
Magnesium Ion	0.00005	0.0059	µg/m ³	V0
Calcium Ion	0.0021	0.0622	µg/m ³	V0
Fluoride Ion	0.00001	0.0059	µg/m ³	V0
Chloride Ion	0.0014	0.0109	µg/m ³	V0
Nitrate Ion	0.0002	0.0088	µg/m ³	V0
Sulphate Ion	0.0001	0.1027	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-07-04 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-05 00:00

Set Index: 1
WBEA ID: 220602971
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		740.1	mmHg	
Particulate Matter	0.042	4.792	µg/m ³	V0
Sodium Ion	0.0006	0.0104	µg/m ³	V0
Ammonium Ion	0.00004	0.0356	µg/m ³	V0
Potassium Ion	0.0001	0.0179	µg/m ³	V0
Magnesium Ion	0.00005	0.0046	µg/m ³	V0
Calcium Ion	0.0021	0.0534	µg/m ³	V0
Fluoride Ion	0.00001	0.0056	µg/m ³	V0
Chloride Ion	0.0014	0.0054	µg/m ³	V0
Nitrate Ion	0.0002	0.0063	µg/m ³	V0
Sulphate Ion	0.0001	0.0987	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602981
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.4	°C	
Pressure		742.4	mmHg	
Particulate Matter	0.042	1.167	µg/m ³	V0
Sodium Ion	0.0006	0.0107	µg/m ³	V0
Ammonium Ion	0.00004	0.0202	µg/m ³	V0
Potassium Ion	0.0001	0.0058	µg/m ³	V0
Magnesium Ion	0.00005	0.0025	µg/m ³	V0
Calcium Ion	0.0021	0.0149	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0053	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1109	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602992
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		713.0	mmHg	
Particulate Matter	0.042	6.708	µg/m ³	V0
Sodium Ion	0.0006	0.0113	µg/m ³	V0
Ammonium Ion	0.00004	0.1428	µg/m ³	V0
Potassium Ion	0.0001	0.0157	µg/m ³	V0
Magnesium Ion	0.00005	0.0108	µg/m ³	V0
Calcium Ion	0.0021	0.0526	µg/m ³	V0
Fluoride Ion	0.00001	0.0092	µg/m ³	V0
Chloride Ion	0.0014	0.0072	µg/m ³	V0
Nitrate Ion	0.0002	0.0085	µg/m ³	V0
Sulphate Ion	0.0001	0.3184	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602999
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.5	°C	
Pressure		721.2	mmHg	
Particulate Matter	0.042	5.833	µg/m ³	V0
Sodium Ion	0.0006	0.0079	µg/m ³	V0
Ammonium Ion	0.00004	0.1118	µg/m ³	V0
Potassium Ion	0.0001	0.0154	µg/m ³	V0
Magnesium Ion	0.00005	0.0075	µg/m ³	V0
Calcium Ion	0.0021	0.0118	µg/m ³	V0
Fluoride Ion	0.00001	0.0074	µg/m ³	V0
Chloride Ion	0.0014	0.0130	µg/m ³	V0
Nitrate Ion	0.0002	0.0097	µg/m ³	V0
Sulphate Ion	0.0001	0.2776	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220603007
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		719.9	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Sodium Ion	0.0006	0.0088	µg/m ³	V0
Ammonium Ion	0.00004	0.0462	µg/m ³	V0
Potassium Ion	0.0001	0.0152	µg/m ³	V0
Magnesium Ion	0.00005	0.0027	µg/m ³	V0
Calcium Ion	0.0021	0.0246	µg/m ³	V0
Fluoride Ion	0.00001	0.0053	µg/m ³	V0
Chloride Ion	0.0014	0.0067	µg/m ³	V0
Nitrate Ion	0.0002	0.0076	µg/m ³	V0
Sulphate Ion	0.0001	0.1059	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703023
Start Date:	2022-07-05 11:40	End Date:	2022-07-05 11:41	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0089	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0023	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0099	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	0.0133	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703015
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		715.6	mmHg	
Particulate Matter	0.042	4.458	µg/m ³	V0
Sodium Ion	0.0006	0.0089	µg/m ³	V0
Ammonium Ion	0.00004	0.0422	µg/m ³	V0
Potassium Ion	0.0001	0.0136	µg/m ³	V0
Magnesium Ion	0.00005	0.0077	µg/m ³	V0
Calcium Ion	0.0021	0.0194	µg/m ³	V0
Fluoride Ion	0.00001	0.0018	µg/m ³	V0
Chloride Ion	0.0014	0.0076	µg/m ³	V0
Nitrate Ion	0.0002	0.0069	µg/m ³	V0
Sulphate Ion	0.0001	0.1325	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703027
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.1	°C	
Pressure		708.1	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Sodium Ion	0.0006	0.0703	µg/m ³	V4
Ammonium Ion	0.00004	0.0375	µg/m ³	V0
Potassium Ion	0.0001	0.1655	µg/m ³	V4
Magnesium Ion	0.00005	0.0057	µg/m ³	V0
Calcium Ion	0.0021	0.0366	µg/m ³	V0
Fluoride Ion	0.00001	0.0334	µg/m ³	V0
Chloride Ion	0.0014	0.1376	µg/m ³	V4
Nitrate Ion	0.0002	0.0247	µg/m ³	V0
Sulphate Ion	0.0001	0.1240	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703052
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.0	°C	
Pressure		732.6	mmHg	
Particulate Matter	0.042	3.542	µg/m ³	V0
Sodium Ion	0.0006	0.0091	µg/m ³	V0
Ammonium Ion	0.00004	0.0424	µg/m ³	V0
Potassium Ion	0.0001	0.0096	µg/m ³	V0
Magnesium Ion	0.00005	0.0044	µg/m ³	V0
Calcium Ion	0.0021	0.0315	µg/m ³	V0
Fluoride Ion	0.00001	0.0023	µg/m ³	V0
Chloride Ion	0.0014	0.0073	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1423	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-07-10 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-07-11 00:00**

Set Index: **1**
WBEA ID: **220703073**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		733.2	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Sodium Ion	0.0006	0.0117	µg/m ³	V0
Ammonium Ion	0.00004	0.0450	µg/m ³	V0
Potassium Ion	0.0001	0.0176	µg/m ³	V0
Magnesium Ion	0.00005	0.0037	µg/m ³	V0
Calcium Ion	0.0021	0.0237	µg/m ³	V0
Fluoride Ion	0.00001	0.0056	µg/m ³	V0
Chloride Ion	0.0014	0.0075	µg/m ³	V0
Nitrate Ion	0.0002	0.0089	µg/m ³	V0
Sulphate Ion	0.0001	0.1344	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703081
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		712.3	mmHg	
Particulate Matter	0.042	3.917	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.0606	µg/m ³	V0
Potassium Ion	0.0001	0.0134	µg/m ³	V0
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.0235	µg/m ³	V0
Fluoride Ion	0.00001	0.0063	µg/m ³	V0
Chloride Ion	0.0014	0.0051	µg/m ³	V0
Nitrate Ion	0.0002	0.0057	µg/m ³	V0
Sulphate Ion	0.0001	0.1560	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Patricia McInnes**
Start Date: **2022-07-10 00:00**

Samp Use: **Exposure**
Loc ID: **PATM**
End Date: **2022-07-11 00:00**

Set Index: **1**
WBEA ID: **220703089**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		725.4	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Sodium Ion	0.0006	0.0107	µg/m ³	V0
Ammonium Ion	0.00004	0.0501	µg/m ³	V0
Potassium Ion	0.0001	0.0136	µg/m ³	V0
Magnesium Ion	0.00005	0.0056	µg/m ³	V0
Calcium Ion	0.0021	0.0361	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0052	µg/m ³	V0
Nitrate Ion	0.0002	0.0077	µg/m ³	V0
Sulphate Ion	0.0001	0.1400	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703093
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.9	°C	
Pressure		732.7	mmHg	
Particulate Matter	0.042	1.708	µg/m ³	V0
Sodium Ion	0.0006	0.0089	µg/m ³	V0
Ammonium Ion	0.00004	0.0103	µg/m ³	V0
Potassium Ion	0.0001	0.0053	µg/m ³	V0
Magnesium Ion	0.00005	0.0032	µg/m ³	V0
Calcium Ion	0.0021	0.0188	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0049	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0784	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703109
Start Date:	2022-07-11 13:30	End Date:	2022-07-11 13:31	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0089	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0012	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0111	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0072	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703101
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.2	°C	
Pressure		707.2	mmHg	
Particulate Matter	0.042	9.000	µg/m ³	V0
Sodium Ion	0.0006	0.0170	µg/m ³	V0
Ammonium Ion	0.00004	0.1096	µg/m ³	V0
Potassium Ion	0.0001	0.0128	µg/m ³	V0
Magnesium Ion	0.00005	0.0361	µg/m ³	V0
Calcium Ion	0.0021	0.2790	µg/m ³	V0
Fluoride Ion	0.00001	0.0137	µg/m ³	V0
Chloride Ion	0.0014	0.0139	µg/m ³	V0
Nitrate Ion	0.0002	0.0163	µg/m ³	V0
Sulphate Ion	0.0001	0.3062	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703113
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.6	°C	
Pressure		714.9	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Sodium Ion	0.0006	0.0112	µg/m ³	V0
Ammonium Ion	0.00004	0.0915	µg/m ³	V0
Potassium Ion	0.0001	0.0127	µg/m ³	V0
Magnesium Ion	0.00005	0.0147	µg/m ³	V0
Calcium Ion	0.0021	0.0256	µg/m ³	V0
Fluoride Ion	0.00001	0.0064	µg/m ³	V0
Chloride Ion	0.0014	0.0045	µg/m ³	V0
Nitrate Ion	0.0002	0.0118	µg/m ³	V0
Sulphate Ion	0.0001	0.2758	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703135
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(87240/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V6
Temperature		20.5	°C	
Pressure		732.8	mmHg	
Particulate Matter	0.042	4.835	µg/m ³	V0
Sodium Ion	0.0006	0.0122	µg/m ³	V0
Ammonium Ion	0.00004	0.0685	µg/m ³	V0
Potassium Ion	0.0001	0.0131	µg/m ³	V0
Magnesium Ion	0.00005	0.0044	µg/m ³	V0
Calcium Ion	0.0021	0.0364	µg/m ³	V0
Fluoride Ion	0.00001	0.0076	µg/m ³	V0
Chloride Ion	0.0014	0.0042	µg/m ³	V0
Nitrate Ion	0.0002	0.0233	µg/m ³	V0
Sulphate Ion	0.0001	0.1846	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703144
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.5	°C	
Pressure		733.6	mmHg	
Particulate Matter	0.042	3.667	µg/m ³	V0
Sodium Ion	0.0006	0.0106	µg/m ³	V0
Ammonium Ion	0.00004	0.0311	µg/m ³	V0
Potassium Ion	0.0001	0.0088	µg/m ³	V0
Magnesium Ion	0.00005	0.0073	µg/m ³	V0
Calcium Ion	0.0021	0.0245	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0080	µg/m ³	V0
Nitrate Ion	0.0002	0.0055	µg/m ³	V0
Sulphate Ion	0.0001	0.0996	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703160
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.0	°C	
Pressure		713.4	mmHg	
Particulate Matter	0.042	4.333	µg/m ³	V0
Sodium Ion	0.0006	0.0125	µg/m ³	V0
Ammonium Ion	0.00004	0.0747	µg/m ³	V0
Potassium Ion	0.0001	0.0183	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0266	µg/m ³	V0
Fluoride Ion	0.00001	0.0069	µg/m ³	V0
Chloride Ion	0.0014	0.0064	µg/m ³	V0
Nitrate Ion	0.0002	0.0121	µg/m ³	V0
Sulphate Ion	0.0001	0.1944	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703163
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.1	°C	
Pressure		733.2	mmHg	
Particulate Matter	0.042	4.792	µg/m ³	V0
Sodium Ion	0.0006	0.0141	µg/m ³	V0
Ammonium Ion	0.00004	0.0951	µg/m ³	V0
Potassium Ion	0.0001	0.1249	µg/m ³	V0
Magnesium Ion	0.00005	0.0065	µg/m ³	V0
Calcium Ion	0.0021	0.0351	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	0.0084	µg/m ³	V0
Nitrate Ion	0.0002	0.0268	µg/m ³	V0
Sulphate Ion	0.0001	0.3707	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703173
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.9	°C	
Pressure		724.7	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Sodium Ion	0.0006	0.0127	µg/m ³	V0
Ammonium Ion	0.00004	0.1463	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0036	µg/m ³	V0
Calcium Ion	0.0021	0.0291	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	0.0067	µg/m ³	V0
Nitrate Ion	0.0002	0.0163	µg/m ³	V0
Sulphate Ion	0.0001	0.3436	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Ion	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703206	
Start Date:	2022-07-19 11:45	End Date:	2022-07-19 11:46	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0080	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0052	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0109	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0052	µg/m ³	V0
Nitrate Ion	0.0002	0.0093	µg/m ³	V0
Sulphate Ion	0.0001	0.0062	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703188
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		709.6	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Sodium Ion	0.0006	0.0082	µg/m ³	V0
Ammonium Ion	0.00004	0.2295	µg/m ³	V0
Potassium Ion	0.0001	0.0085	µg/m ³	V0
Magnesium Ion	0.00005	0.0051	µg/m ³	V0
Calcium Ion	0.0021	0.0243	µg/m ³	V0
Fluoride Ion	0.00001	0.0039	µg/m ³	V0
Chloride Ion	0.0014	0.0033	µg/m ³	V0
Nitrate Ion	0.0002	0.0096	µg/m ³	V0
Sulphate Ion	0.0001	0.6218	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703201
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		717.5	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Sodium Ion	0.0006	0.0084	µg/m ³	V0
Ammonium Ion	0.00004	0.0314	µg/m ³	V0
Potassium Ion	0.0001	0.0165	µg/m ³	V0
Magnesium Ion	0.00005	0.0086	µg/m ³	V0
Calcium Ion	0.0021	0.0167	µg/m ³	V0
Fluoride Ion	0.00001	0.0057	µg/m ³	V0
Chloride Ion	0.0014	0.0068	µg/m ³	V0
Nitrate Ion	0.0002	0.0228	µg/m ³	V0
Sulphate Ion	0.0001	0.1851	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703210
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.9	°C	
Pressure		736.7	mmHg	
Particulate Matter	0.042	2.333	µg/m ³	V0
Sodium Ion	0.0006	0.0101	µg/m ³	V0
Ammonium Ion	0.00004	0.0293	µg/m ³	V0
Potassium Ion	0.0001	0.0115	µg/m ³	V0
Magnesium Ion	0.00005	0.0029	µg/m ³	V0
Calcium Ion	0.0021	0.0169	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.0052	µg/m ³	V0
Nitrate Ion	0.0002	0.0123	µg/m ³	V0
Sulphate Ion	0.0001	0.1009	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703228
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		738.8	mmHg	
Particulate Matter	0.042	1.500	µg/m ³	V0
Sodium Ion	0.0006	0.0145	µg/m ³	V0
Ammonium Ion	0.00004	0.0362	µg/m ³	V0
Potassium Ion	0.0001	0.0065	µg/m ³	V0
Magnesium Ion	0.00005	0.0041	µg/m ³	V0
Calcium Ion	0.0021	0.0134	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0071	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1387	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703236
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.3	°C	
Pressure		716.1	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	0.0528	µg/m ³	V0
Potassium Ion	0.0001	0.0183	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0089	µg/m ³	V0
Fluoride Ion	0.00001	0.0026	µg/m ³	V0
Chloride Ion	0.0014	0.0050	µg/m ³	V0
Nitrate Ion	0.0002	0.0134	µg/m ³	V0
Sulphate Ion	0.0001	0.1705	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-07-22 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-23 00:00

Set Index: 1
WBEA ID: 220703241
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.9	°C	
Pressure		736.5	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Sodium Ion	0.0006	0.0048	µg/m ³	V0
Ammonium Ion	0.00004	0.1975	µg/m ³	V0
Potassium Ion	0.0001	0.0113	µg/m ³	V0
Magnesium Ion	0.00005	0.0025	µg/m ³	V0
Calcium Ion	0.0021	0.0171	µg/m ³	V0
Fluoride Ion	0.00001	0.0035	µg/m ³	V0
Chloride Ion	0.0014	0.0070	µg/m ³	V0
Nitrate Ion	0.0002	0.0113	µg/m ³	V0
Sulphate Ion	0.0001	0.4723	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-07-22 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-23 00:00

Set Index: 1
WBEA ID: 220703250
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.2	°C	
Pressure		729.0	mmHg	
Particulate Matter	0.042	3.375	µg/m ³	V0
Sodium Ion	0.0006	0.0063	µg/m ³	V0
Ammonium Ion	0.00004	0.2333	µg/m ³	V0
Potassium Ion	0.0001	0.0113	µg/m ³	V0
Magnesium Ion	0.00005	0.0029	µg/m ³	V0
Calcium Ion	0.0021	0.0215	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0042	µg/m ³	V0
Nitrate Ion	0.0002	0.0137	µg/m ³	V0
Sulphate Ion	0.0001	0.5733	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703295
Start Date:	2022-07-25 10:14	End Date:	2022-07-25 10:15	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Sodium Ion	0.0006	0.0079	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0035	µg/m ³	V0
Magnesium Ion	0.00005	0.0006	µg/m ³	V0
Calcium Ion	0.0021	0.0093	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0052	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0036	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703287
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.5	°C	
Pressure		735.2	mmHg	
Particulate Matter	0.042	8.333	µg/m ³	V0
Sodium Ion	0.0006	0.0167	µg/m ³	V0
Ammonium Ion	0.00004	0.1569	µg/m ³	V0
Potassium Ion	0.0001	0.0257	µg/m ³	V0
Magnesium Ion	0.00005	0.0064	µg/m ³	V0
Calcium Ion	0.0021	0.0554	µg/m ³	V0
Fluoride Ion	0.00001	0.0129	µg/m ³	V0
Chloride Ion	0.0014	0.0109	µg/m ³	V0
Nitrate Ion	0.0002	0.0179	µg/m ³	V0
Sulphate Ion	0.0001	0.2850	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703299
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		23.5	°C	
Pressure		726.5	mmHg	
Particulate Matter	0.042	9.208	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.2060	µg/m ³	V0
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0470	µg/m ³	V0
Fluoride Ion	0.00001	0.0120	µg/m ³	V0
Chloride Ion	0.0014	0.0050	µg/m ³	V0
Nitrate Ion	0.0002	0.0070	µg/m ³	V0
Sulphate Ion	0.0001	0.3770	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703308
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

Power Failure(86880/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.1	m ³	V0
Temperature		24.3	°C	
Pressure		715.3	mmHg	
Particulate Matter	0.042	9.627	µg/m ³	V0
Sodium Ion	0.0006	0.0189	µg/m ³	V0
Ammonium Ion	0.00004	0.1627	µg/m ³	V0
Potassium Ion	0.0001	0.0305	µg/m ³	V0
Magnesium Ion	0.00005	0.0088	µg/m ³	V0
Calcium Ion	0.0021	0.1169	µg/m ³	V0
Fluoride Ion	0.00001	0.0134	µg/m ³	V0
Chloride Ion	0.0014	0.0065	µg/m ³	V0
Nitrate Ion	0.0002	0.0173	µg/m ³	V0
Sulphate Ion	0.0001	0.3188	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703318
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.0	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	15.833	µg/m ³	V0
Sodium Ion	0.0006	0.0716	µg/m ³	V4
Ammonium Ion	0.00004	0.5068	µg/m ³	V0
Potassium Ion	0.0001	0.0327	µg/m ³	V0
Magnesium Ion	0.00005	0.0178	µg/m ³	V0
Calcium Ion	0.0021	0.2045	µg/m ³	V0
Fluoride Ion	0.00001	0.0153	µg/m ³	V0
Chloride Ion	0.0014	0.0109	µg/m ³	V0
Nitrate Ion	0.0002	0.0304	µg/m ³	V0
Sulphate Ion	0.0001	1.5251	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703342
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		27.5	°C	
Pressure		709.6	mmHg	
Particulate Matter	0.042	9.667	µg/m ³	V0
Sodium Ion	0.0006	0.0129	µg/m ³	V0
Ammonium Ion	0.00004	0.2238	µg/m ³	V0
Potassium Ion	0.0001	0.0197	µg/m ³	V0
Magnesium Ion	0.00005	0.0145	µg/m ³	V0
Calcium Ion	0.0021	0.0999	µg/m ³	V0
Fluoride Ion	0.00001	0.0108	µg/m ³	V0
Chloride Ion	0.0014	0.0067	µg/m ³	V0
Nitrate Ion	0.0002	0.0146	µg/m ³	V0
Sulphate Ion	0.0001	0.4414	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703349
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		23.6	°C	
Pressure		717.4	mmHg	
Particulate Matter	0.042	8.833	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.2020	µg/m ³	V0
Potassium Ion	0.0001	0.0230	µg/m ³	V0
Magnesium Ion	0.00005	0.0140	µg/m ³	V0
Calcium Ion	0.0021	0.0550	µg/m ³	V0
Fluoride Ion	0.00001	0.0110	µg/m ³	V0
Chloride Ion	0.0014	0.0040	µg/m ³	V0
Nitrate Ion	0.0002	0.0090	µg/m ³	V0
Sulphate Ion	0.0001	0.4090	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703302
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.1	°C	
Pressure		735.9	mmHg	
Particulate Matter	0.042	11.125	µg/m ³	V0
Sodium Ion	0.0006	0.0033	µg/m ³	V0
Ammonium Ion	0.00004	0.1766	µg/m ³	V0
Potassium Ion	0.0001	0.0276	µg/m ³	V0
Magnesium Ion	0.00005	0.0078	µg/m ³	V0
Calcium Ion	0.0021	0.0263	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0083	µg/m ³	V0
Nitrate Ion	0.0002	0.0195	µg/m ³	V0
Sulphate Ion	0.0001	0.4411	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803410
Start Date:	2022-08-02 08:12	End Date:	2022-08-02 08:13	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0027	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0180	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703395
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.5	°C	
Pressure		732.8	mmHg	
Particulate Matter	0.042	7.292	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.6315	µg/m ³	V0
Potassium Ion	0.0001	0.0067	µg/m ³	V0
Magnesium Ion	0.00005	0.0054	µg/m ³	V0
Calcium Ion	0.0021	0.1176	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0203	µg/m ³	V0
Nitrate Ion	0.0002	0.0276	µg/m ³	V0
Sulphate Ion	0.0001	1.9468	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220803408
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.2	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Sodium Ion	0.0006	0.0033	µg/m ³	V0
Ammonium Ion	0.00004	0.1262	µg/m ³	V0
Potassium Ion	0.0001	0.0113	µg/m ³	V0
Magnesium Ion	0.00005	0.0106	µg/m ³	V0
Calcium Ion	0.0021	0.0246	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.0073	µg/m ³	V0
Nitrate Ion	0.0002	0.0324	µg/m ³	V0
Sulphate Ion	0.0001	0.4229	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Anzac
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220803424
Duration: 24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		713.1	mmHg	
Particulate Matter	0.042	4.375	µg/m ³	V0
Sodium Ion	0.0006	0.0026	µg/m ³	V0
Ammonium Ion	0.00004	0.1665	µg/m ³	V0
Potassium Ion	0.0001	0.0071	µg/m ³	V0
Magnesium Ion	0.00005	0.0025	µg/m ³	V0
Calcium Ion	0.0021	0.0385	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0089	µg/m ³	V0
Nitrate Ion	0.0002	0.0437	µg/m ³	V0
Sulphate Ion	0.0001	0.4406	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220803432
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		734.7	mmHg	
Particulate Matter	0.042	1.375	µg/m ³	V0
Sodium Ion	0.0006	0.0026	µg/m ³	V0
Ammonium Ion	0.00004	0.0012	µg/m ³	V0
Potassium Ion	0.0001	0.0057	µg/m ³	V0
Magnesium Ion	0.00005	0.0033	µg/m ³	V0
Calcium Ion	0.0021	0.0101	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0160	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1303	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803441
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.6	°C	
Pressure		706.7	mmHg	
Particulate Matter	0.042	4.167	µg/m ³	V0
Sodium Ion	0.0006	0.0031	µg/m ³	V0
Ammonium Ion	0.00004	0.2448	µg/m ³	V0
Potassium Ion	0.0001	0.0042	µg/m ³	V0
Magnesium Ion	0.00005	0.0026	µg/m ³	V0
Calcium Ion	0.0021	0.0165	µg/m ³	V0
Fluoride Ion	0.00001	0.0013	µg/m ³	V0
Chloride Ion	0.0014	0.0092	µg/m ³	V0
Nitrate Ion	0.0002	0.0373	µg/m ³	V0
Sulphate Ion	0.0001	0.6324	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803448
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.5	°C	
Pressure		724.8	mmHg	
Particulate Matter	0.042	5.042	µg/m ³	V0
Sodium Ion	0.0006	0.0047	µg/m ³	V0
Ammonium Ion	0.00004	0.1609	µg/m ³	V0
Potassium Ion	0.0001	0.0104	µg/m ³	V0
Magnesium Ion	0.00005	0.0036	µg/m ³	V0
Calcium Ion	0.0021	0.0295	µg/m ³	V0
Fluoride Ion	0.00001	0.0023	µg/m ³	V0
Chloride Ion	0.0014	0.0071	µg/m ³	V0
Nitrate Ion	0.0002	0.0271	µg/m ³	V0
Sulphate Ion	0.0001	0.4842	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Janvier
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220803455
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.0	°C	
Pressure		714.7	mmHg	
Particulate Matter	0.042	6.500	µg/m ³	V0
Sodium Ion	0.0006	0.0038	µg/m ³	V0
Ammonium Ion	0.00004	0.2369	µg/m ³	V0
Potassium Ion	0.0001	0.0121	µg/m ³	V0
Magnesium Ion	0.00005	0.0084	µg/m ³	V0
Calcium Ion	0.0021	0.0336	µg/m ³	V0
Fluoride Ion	0.00001	0.0025	µg/m ³	V0
Chloride Ion	0.0014	0.0082	µg/m ³	V0
Nitrate Ion	0.0002	0.0375	µg/m ³	V0
Sulphate Ion	0.0001	0.7267	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803481
Start Date:	2022-08-05 15:25	End Date:	2022-08-05 15:26	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Sodium Ion	0.0006	0.0008	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0016	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0044	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0945	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Anzac
Start Date: 2022-08-09 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-08-10 00:00

Set Index: 1
WBEA ID: 220803461
Duration: 24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		720.9	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Sodium Ion	0.0006	0.0026	µg/m ³	V0
Ammonium Ion	0.00004	0.2001	µg/m ³	V0
Potassium Ion	0.0001	0.0084	µg/m ³	V0
Magnesium Ion	0.00005	0.0018	µg/m ³	V0
Calcium Ion	0.0021	0.0106	µg/m ³	V0
Fluoride Ion	0.00001	0.0012	µg/m ³	V0
Chloride Ion	0.0014	0.0089	µg/m ³	V0
Nitrate Ion	0.0002	0.0250	µg/m ³	V0
Sulphate Ion	0.0001	0.6090	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-08-09 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-10 00:00

Set Index: 1
WBEA ID: 220803465
Duration: 24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.0	°C	
Pressure		741.3	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Sodium Ion	0.0006	0.0022	µg/m ³	V0
Ammonium Ion	0.00004	0.3363	µg/m ³	V0
Potassium Ion	0.0001	0.0066	µg/m ³	V0
Magnesium Ion	0.00005	0.0025	µg/m ³	V0
Calcium Ion	0.0021	0.0183	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0072	µg/m ³	V0
Nitrate Ion	0.0002	0.0402	µg/m ³	V0
Sulphate Ion	0.0001	0.8842	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-08-09 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-08-10 00:00

Set Index: 1
WBEA ID: 220803476
Duration: 24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.5	°C	
Pressure		733.9	mmHg	
Particulate Matter	0.042	5.292	µg/m ³	V0
Sodium Ion	0.0006	0.0041	µg/m ³	V0
Ammonium Ion	0.00004	0.3071	µg/m ³	V0
Potassium Ion	0.0001	0.0161	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0118	µg/m ³	V0
Fluoride Ion	0.00001	0.0038	µg/m ³	V0
Chloride Ion	0.0014	0.0087	µg/m ³	V0
Nitrate Ion	0.0002	0.0264	µg/m ³	V0
Sulphate Ion	0.0001	0.9055	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803508
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.5	°C	
Pressure		714.8	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Sodium Ion	0.0006	0.0022	µg/m ³	V0
Ammonium Ion	0.00004	0.0243	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0074	µg/m ³	V0
Calcium Ion	0.0021	0.0517	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0169	µg/m ³	V0
Nitrate Ion	0.0002	0.0124	µg/m ³	V0
Sulphate Ion	0.0001	0.1488	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803518
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		722.8	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Sodium Ion	0.0006	0.0022	µg/m ³	V0
Ammonium Ion	0.00004	0.0325	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0062	µg/m ³	V0
Calcium Ion	0.0021	0.0209	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0132	µg/m ³	V0
Nitrate Ion	0.0002	0.0189	µg/m ³	V0
Sulphate Ion	0.0001	0.1984	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803527
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		740.8	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Sodium Ion	0.0006	0.0026	µg/m ³	V0
Ammonium Ion	0.00004	0.2729	µg/m ³	V0
Potassium Ion	0.0001	0.0207	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0259	µg/m ³	V0
Fluoride Ion	0.00001	0.0036	µg/m ³	V0
Chloride Ion	0.0014	0.0091	µg/m ³	V0
Nitrate Ion	0.0002	0.0661	µg/m ³	V0
Sulphate Ion	0.0001	0.7651	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803487
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Power outage resulted in a short sampling duration and low sample volume.(82320/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		22.9	m ³	V6
Temperature		17.6	°C	
Pressure		741.9	mmHg	
Particulate Matter	0.042	1.397	µg/m ³	V0
Sodium Ion	0.0006	0.0041	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0071	µg/m ³	V0
Magnesium Ion	0.00005	0.0018	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0016	µg/m ³	V0
Chloride Ion	0.0014	0.0186	µg/m ³	V0
Nitrate Ion	0.0002	0.0169	µg/m ³	V0
Sulphate Ion	0.0001	0.1092	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803604
Start Date:	2022-08-14 16:51	End Date:	2022-08-14 16:52	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0132	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803543
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.8	°C	
Pressure		710.3	mmHg	
Particulate Matter	0.042	6.208	µg/m ³	V0
Sodium Ion	0.0006	0.0052	µg/m ³	V0
Ammonium Ion	0.00004	0.0039	µg/m ³	V0
Potassium Ion	0.0001	0.0099	µg/m ³	V0
Magnesium Ion	0.00005	0.0095	µg/m ³	V0
Calcium Ion	0.0021	0.0669	µg/m ³	V0
Fluoride Ion	0.00001	0.0011	µg/m ³	V0
Chloride Ion	0.0014	0.0207	µg/m ³	V0
Nitrate Ion	0.0002	0.0304	µg/m ³	V0
Sulphate Ion	0.0001	0.1121	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803555
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.2	°C	
Pressure		718.0	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Sodium Ion	0.0006	0.0034	µg/m ³	V0
Ammonium Ion	0.00004	0.0118	µg/m ³	V0
Potassium Ion	0.0001	0.0097	µg/m ³	V0
Magnesium Ion	0.00005	0.0079	µg/m ³	V0
Calcium Ion	0.0021	0.0221	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0093	µg/m ³	V0
Nitrate Ion	0.0002	0.0258	µg/m ³	V0
Sulphate Ion	0.0001	0.1196	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803576
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.9	°C	
Pressure		734.5	mmHg	
Particulate Matter	0.042	3.833	µg/m ³	V0
Sodium Ion	0.0006	0.0047	µg/m ³	V0
Ammonium Ion	0.00004	0.1644	µg/m ³	V0
Potassium Ion	0.0001	0.0056	µg/m ³	V0
Magnesium Ion	0.00005	0.0038	µg/m ³	V0
Calcium Ion	0.0021	0.0212	µg/m ³	V0
Fluoride Ion	0.00001	0.0023	µg/m ³	V0
Chloride Ion	0.0014	0.0113	µg/m ³	V0
Nitrate Ion	0.0002	0.0074	µg/m ³	V0
Sulphate Ion	0.0001	0.4616	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-08-15 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-08-16 00:00

Set Index: 1
WBEA ID: 220803583
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.3	°C	
Pressure		724.7	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Sodium Ion	0.0006	0.0041	µg/m ³	V0
Ammonium Ion	0.00004	0.0284	µg/m ³	V0
Potassium Ion	0.0001	0.0058	µg/m ³	V0
Magnesium Ion	0.00005	0.0044	µg/m ³	V0
Calcium Ion	0.0021	0.0149	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	0.0168	µg/m ³	V0
Nitrate Ion	0.0002	0.0116	µg/m ³	V0
Sulphate Ion	0.0001	0.1598	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-08-15 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-16 00:00

Set Index: 1
WBEA ID: 220803589
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.3	°C	
Pressure		735.5	mmHg	
Particulate Matter	0.042	3.375	µg/m ³	V0
Sodium Ion	0.0006	0.0046	µg/m ³	V0
Ammonium Ion	0.00004	0.0384	µg/m ³	V0
Potassium Ion	0.0001	0.0084	µg/m ³	V0
Magnesium Ion	0.00005	0.0034	µg/m ³	V0
Calcium Ion	0.0021	0.0194	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0117	µg/m ³	V0
Nitrate Ion	0.0002	0.0141	µg/m ³	V0
Sulphate Ion	0.0001	0.1546	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803610
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

Power outage(78660/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		21.8	m ³	V6
Temperature		19.8	°C	
Pressure		716.0	mmHg	
Particulate Matter	0.042	2.523	µg/m ³	V0
Sodium Ion	0.0006	0.0050	µg/m ³	V0
Ammonium Ion	0.00004	0.0400	µg/m ³	V0
Potassium Ion	0.0001	0.0110	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0120	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0170	µg/m ³	V0
Nitrate Ion	0.0002	0.0230	µg/m ³	V0
Sulphate Ion	0.0001	0.1910	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803596
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

Field Flag: 'V', Invalid sample (Void).
Field Flag: 'P', Power failure during sampling.
power failed PM2.5 A
Sample did not run due to power failure.(0/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803626
Start Date:	2022-08-16 09:30	End Date:	2022-08-16 09:31	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0016	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	0.0122	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803622
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.9	°C	
Pressure		714.0	mmHg	
Particulate Matter	0.042	26.958	µg/m ³	V0
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	0.2511	µg/m ³	V0
Potassium Ion	0.0001	0.0707	µg/m ³	V0
Magnesium Ion	0.00005	0.0054	µg/m ³	V0
Calcium Ion	0.0021	0.0180	µg/m ³	V0
Fluoride Ion	0.00001	0.0338	µg/m ³	V0
Chloride Ion	0.0014	0.0191	µg/m ³	V0
Nitrate Ion	0.0002	0.0231	µg/m ³	V0
Sulphate Ion	0.0001	0.3319	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803634
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.8	°C	
Pressure		727.2	mmHg	
Particulate Matter	0.042	27.250	µg/m ³	V0
Sodium Ion	0.0006	0.0014	µg/m ³	V0
Ammonium Ion	0.00004	0.2510	µg/m ³	V0
Potassium Ion	0.0001	0.0714	µg/m ³	V0
Magnesium Ion	0.00005	0.0077	µg/m ³	V0
Calcium Ion	0.0021	0.0069	µg/m ³	V0
Fluoride Ion	0.00001	0.0357	µg/m ³	V0
Chloride Ion	0.0014	0.0384	µg/m ³	V0
Nitrate Ion	0.0002	0.0188	µg/m ³	V0
Sulphate Ion	0.0001	0.3599	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803640
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		720.9	mmHg	
Particulate Matter	0.042	21.917	µg/m ³	V0
Sodium Ion	0.0006	0.0023	µg/m ³	V0
Ammonium Ion	0.00004	0.2381	µg/m ³	V0
Potassium Ion	0.0001	0.0452	µg/m ³	V0
Magnesium Ion	0.00005	0.0036	µg/m ³	V0
Calcium Ion	0.0021	0.0288	µg/m ³	V0
Fluoride Ion	0.00001	0.0268	µg/m ³	V0
Chloride Ion	0.0014	0.0076	µg/m ³	V0
Nitrate Ion	0.0002	0.0467	µg/m ³	V0
Sulphate Ion	0.0001	0.3549	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-08-21 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-22 00:00

Set Index: 1
WBEA ID: 220803656
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.6	°C	
Pressure		743.2	mmHg	
Particulate Matter	0.042	18.708	µg/m ³	V0
Sodium Ion	0.0006	0.0066	µg/m ³	V0
Ammonium Ion	0.00004	0.2489	µg/m ³	V0
Potassium Ion	0.0001	0.0376	µg/m ³	V0
Magnesium Ion	0.00005	0.0075	µg/m ³	V0
Calcium Ion	0.0021	0.1458	µg/m ³	V0
Fluoride Ion	0.00001	0.0130	µg/m ³	V0
Chloride Ion	0.0014	0.0111	µg/m ³	V0
Nitrate Ion	0.0002	0.0739	µg/m ³	V0
Sulphate Ion	0.0001	0.4338	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803666
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		731.5	mmHg	
Particulate Matter	0.042	16.875	µg/m ³	V0
Sodium Ion	0.0006	0.0036	µg/m ³	V0
Ammonium Ion	0.00004	0.2686	µg/m ³	V0
Potassium Ion	0.0001	0.0253	µg/m ³	V0
Magnesium Ion	0.00005	0.0074	µg/m ³	V0
Calcium Ion	0.0021	0.1037	µg/m ³	V0
Fluoride Ion	0.00001	0.0015	µg/m ³	V0
Chloride Ion	0.0014	0.0069	µg/m ³	V0
Nitrate Ion	0.0002	0.0484	µg/m ³	V0
Sulphate Ion	0.0001	0.5025	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803685
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.7	°C	
Pressure		741.4	mmHg	
Particulate Matter	0.042	17.167	µg/m ³	V0
Sodium Ion	0.0006	0.0048	µg/m ³	V0
Ammonium Ion	0.00004	0.1379	µg/m ³	V0
Potassium Ion	0.0001	0.0210	µg/m ³	V0
Magnesium Ion	0.00005	0.0069	µg/m ³	V0
Calcium Ion	0.0021	0.1962	µg/m ³	V0
Fluoride Ion	0.00001	0.0140	µg/m ³	V0
Chloride Ion	0.0014	0.0068	µg/m ³	V0
Nitrate Ion	0.0002	0.0250	µg/m ³	V0
Sulphate Ion	0.0001	0.2236	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-08-21 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-08-22 00:00

Set Index: 1
WBEA ID: 220803614
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.4	°C	
Pressure		743.4	mmHg	
Particulate Matter	0.042	13.958	µg/m ³	V0
Sodium Ion	0.0006	0.0017	µg/m ³	V0
Ammonium Ion	0.00004	0.1055	µg/m ³	V0
Potassium Ion	0.0001	0.0247	µg/m ³	V0
Magnesium Ion	0.00005	0.0025	µg/m ³	V0
Calcium Ion	0.0021	0.0043	µg/m ³	V0
Fluoride Ion	0.00001	0.0140	µg/m ³	V0
Chloride Ion	0.0014	0.0425	µg/m ³	V0
Nitrate Ion	0.0002	0.0196	µg/m ³	V0
Sulphate Ion	0.0001	0.2169	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804154
Start Date:	2022-08-23 13:50	End Date:	2022-08-23 13:51	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0008	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0141	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Anzac
Start Date: 2022-08-27 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-08-28 00:00

Set Index: 1
WBEA ID: 220803847
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		703.7	mmHg	
Particulate Matter	0.042	30.875	µg/m ³	V0
Sodium Ion	0.0006	0.0130	µg/m ³	V0
Ammonium Ion	0.00004	0.5978	µg/m ³	V0
Potassium Ion	0.0001	0.0634	µg/m ³	V0
Magnesium Ion	0.00005	0.0086	µg/m ³	V0
Calcium Ion	0.0021	0.0396	µg/m ³	V0
Fluoride Ion	0.00001	0.0457	µg/m ³	V0
Chloride Ion	0.0014	0.0168	µg/m ³	V0
Nitrate Ion	0.0002	0.0777	µg/m ³	V0
Sulphate Ion	0.0001	1.2204	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-08-27 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-28 00:00

Set Index: 1
WBEA ID: 220803947
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.9	°C	
Pressure		725.7	mmHg	
Particulate Matter	0.042	32.042	µg/m ³	V0
Sodium Ion	0.0006	0.0182	µg/m ³	V0
Ammonium Ion	0.00004	0.4683	µg/m ³	V0
Potassium Ion	0.0001	0.0641	µg/m ³	V0
Magnesium Ion	0.00005	0.0213	µg/m ³	V0
Calcium Ion	0.0021	0.3672	µg/m ³	V0
Fluoride Ion	0.00001	0.0426	µg/m ³	V0
Chloride Ion	0.0014	0.0249	µg/m ³	V0
Nitrate Ion	0.0002	0.1427	µg/m ³	V0
Sulphate Ion	0.0001	0.9767	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803962
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		711.4	mmHg	
Particulate Matter	0.042	26.667	µg/m ³	V0
Sodium Ion	0.0006	0.0045	µg/m ³	V0
Ammonium Ion	0.00004	0.5739	µg/m ³	V0
Potassium Ion	0.0001	0.0525	µg/m ³	V0
Magnesium Ion	0.00005	0.0085	µg/m ³	V0
Calcium Ion	0.0021	0.0472	µg/m ³	V0
Fluoride Ion	0.00001	0.0385	µg/m ³	V0
Chloride Ion	0.0014	0.0098	µg/m ³	V0
Nitrate Ion	0.0002	0.0878	µg/m ³	V0
Sulphate Ion	0.0001	1.1305	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220804148
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.9	°C	
Pressure		697.3	mmHg	
Particulate Matter	0.042	17.708	µg/m ³	V0
Sodium Ion	0.0006	0.0030	µg/m ³	V0
Ammonium Ion	0.00004	0.5427	µg/m ³	V0
Potassium Ion	0.0001	0.0298	µg/m ³	V0
Magnesium Ion	0.00005	0.0123	µg/m ³	V0
Calcium Ion	0.0021	0.0815	µg/m ³	V0
Fluoride Ion	0.00001	0.0196	µg/m ³	V0
Chloride Ion	0.0014	0.0105	µg/m ³	V0
Nitrate Ion	0.0002	0.0171	µg/m ³	V0
Sulphate Ion	0.0001	1.4297	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804158
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(87780/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.4	m ³	V6
Temperature		18.9	°C	
Pressure		704.3	mmHg	
Particulate Matter	0.042	26.311	µg/m ³	V0
Sodium Ion	0.0006	0.0024	µg/m ³	V0
Ammonium Ion	0.00004	0.6022	µg/m ³	V0
Potassium Ion	0.0001	0.0583	µg/m ³	V0
Magnesium Ion	0.00005	0.0096	µg/m ³	V0
Calcium Ion	0.0021	0.0499	µg/m ³	V0
Fluoride Ion	0.00001	0.0373	µg/m ³	V0
Chloride Ion	0.0014	0.0056	µg/m ³	V0
Nitrate Ion	0.0002	0.0210	µg/m ³	V0
Sulphate Ion	0.0001	1.5091	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220804228
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.3	°C	
Pressure		723.4	mmHg	
Particulate Matter	0.042	17.542	µg/m ³	V0
Sodium Ion	0.0006	0.0055	µg/m ³	V0
Ammonium Ion	0.00004	0.2384	µg/m ³	V0
Potassium Ion	0.0001	0.0401	µg/m ³	V0
Magnesium Ion	0.00005	0.0044	µg/m ³	V0
Calcium Ion	0.0021	0.0118	µg/m ³	V0
Fluoride Ion	0.00001	0.0224	µg/m ³	V0
Chloride Ion	0.0014	0.0236	µg/m ³	V0
Nitrate Ion	0.0002	0.0067	µg/m ³	V0
Sulphate Ion	0.0001	0.3489	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904310
Start Date:	2022-09-01 11:20	End Date:	2022-09-01 11:21	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0014	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0022	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0137	µg/m ³	V0
Nitrate Ion	0.0002	0.9151	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220804247
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		735.1	mmHg	
Particulate Matter	0.042	6.875	µg/m ³	V0
Sodium Ion	0.0006	0.0022	µg/m ³	V0
Ammonium Ion	0.00004	0.0634	µg/m ³	V0
Potassium Ion	0.0001	0.0134	µg/m ³	V0
Magnesium Ion	0.00005	0.0027	µg/m ³	V0
Calcium Ion	0.0021	0.0130	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0520	µg/m ³	V0
Nitrate Ion	0.0002	0.0264	µg/m ³	V0
Sulphate Ion	0.0001	0.1519	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220804261
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.2	°C	
Pressure		709.2	mmHg	
Particulate Matter	0.042	7.750	µg/m ³	V0
Sodium Ion	0.0006	0.0094	µg/m ³	V0
Ammonium Ion	0.00004	0.0261	µg/m ³	V0
Potassium Ion	0.0001	0.0072	µg/m ³	V0
Magnesium Ion	0.00005	0.0229	µg/m ³	V0
Calcium Ion	0.0021	0.1645	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0227	µg/m ³	V0
Nitrate Ion	0.0002	0.0205	µg/m ³	V0
Sulphate Ion	0.0001	0.1815	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Janvier
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220804268
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.4	°C	
Pressure		716.7	mmHg	
Particulate Matter	0.042	5.083	µg/m ³	V0
Sodium Ion	0.0006	0.0037	µg/m ³	V0
Ammonium Ion	0.00004	0.0366	µg/m ³	V0
Potassium Ion	0.0001	0.0112	µg/m ³	V0
Magnesium Ion	0.00005	0.0051	µg/m ³	V0
Calcium Ion	0.0021	0.0342	µg/m ³	V0
Fluoride Ion	0.00001	0.0025	µg/m ³	V0
Chloride Ion	0.0014	0.0430	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1820	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220804274
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		714.9	mmHg	
Particulate Matter	0.042	6.042	µg/m ³	V0
Sodium Ion	0.0006	0.0031	µg/m ³	V0
Ammonium Ion	0.00004	0.0464	µg/m ³	V0
Potassium Ion	0.0001	0.0132	µg/m ³	V0
Magnesium Ion	0.00005	0.0027	µg/m ³	V0
Calcium Ion	0.0021	0.0185	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0764	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1781	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220804280
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.5	°C	
Pressure		736.8	mmHg	
Particulate Matter	0.042	6.292	µg/m ³	V0
Sodium Ion	0.0006	0.0050	µg/m ³	V0
Ammonium Ion	0.00004	0.0265	µg/m ³	V0
Potassium Ion	0.0001	0.0193	µg/m ³	V0
Magnesium Ion	0.00005	0.0031	µg/m ³	V0
Calcium Ion	0.0021	0.0215	µg/m ³	V0
Fluoride Ion	0.00001	0.0018	µg/m ³	V0
Chloride Ion	0.0014	0.0139	µg/m ³	V0
Nitrate Ion	0.0002	0.0289	µg/m ³	V0
Sulphate Ion	0.0001	0.1413	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220904296
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		723.9	mmHg	
Particulate Matter	0.042	5.542	µg/m ³	V0
Sodium Ion	0.0006	0.0042	µg/m ³	V0
Ammonium Ion	0.00004	0.0152	µg/m ³	V0
Potassium Ion	0.0001	0.0187	µg/m ³	V0
Magnesium Ion	0.00005	0.0043	µg/m ³	V0
Calcium Ion	0.0021	0.0247	µg/m ³	V0
Fluoride Ion	0.00001	0.0011	µg/m ³	V0
Chloride Ion	0.0014	0.0220	µg/m ³	V0
Nitrate Ion	0.0002	0.0271	µg/m ³	V0
Sulphate Ion	0.0001	0.1353	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Bertha Ganter - Fort McKay
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220904315
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.2	°C	
Pressure		733.6	mmHg	
Particulate Matter	0.042	6.125	µg/m ³	V0
Sodium Ion	0.0006	0.0072	µg/m ³	V0
Ammonium Ion	0.00004	0.0901	µg/m ³	V0
Potassium Ion	0.0001	0.0131	µg/m ³	V0
Magnesium Ion	0.00005	0.0073	µg/m ³	V0
Calcium Ion	0.0021	0.0792	µg/m ³	V0
Fluoride Ion	0.00001	0.0033	µg/m ³	V0
Chloride Ion	0.0014	0.0157	µg/m ³	V0
Nitrate Ion	0.0002	0.0303	µg/m ³	V0
Sulphate Ion	0.0001	0.3440	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904383
Start Date:	2022-09-07 07:27	End Date:	2022-09-07 07:28	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.375	µg/m ³	V0
Sodium Ion	0.0006	0.0014	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0087	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	0.0235	µg/m ³	V0
Nitrate Ion	0.0002	0.0233	µg/m ³	V0
Sulphate Ion	0.0001	0.0125	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-09-08 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-09-09 00:00

Set Index: 1
WBEA ID: 220904336
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.0	°C	
Pressure		736.8	mmHg	
Particulate Matter	0.042	0.708	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0030	µg/m ³	V0
Magnesium Ion	0.00005	0.0011	µg/m ³	V0
Calcium Ion	0.0021	0.0057	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	0.0239	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1251	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904353
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.9	°C	
Pressure		710.2	mmHg	
Particulate Matter	0.042	1.750	µg/m ³	V0
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	0.0126	µg/m ³	V0
Potassium Ion	0.0001	0.0035	µg/m ³	V0
Magnesium Ion	0.00005	0.0024	µg/m ³	V0
Calcium Ion	0.0021	0.0053	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0575	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2104	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904360
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.9	°C	
Pressure		717.4	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Sodium Ion	0.0006	0.0029	µg/m ³	V0
Ammonium Ion	0.00004	0.0306	µg/m ³	V0
Potassium Ion	0.0001	0.0038	µg/m ³	V0
Magnesium Ion	0.00005	0.0022	µg/m ³	V0
Calcium Ion	0.0021	0.0055	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0226	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2614	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904363
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.5	°C	
Pressure		715.9	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Sodium Ion	0.0006	0.0033	µg/m ³	V0
Ammonium Ion	0.00004	0.0091	µg/m ³	V0
Potassium Ion	0.0001	0.0046	µg/m ³	V0
Magnesium Ion	0.00005	0.0017	µg/m ³	V0
Calcium Ion	0.0021	0.0072	µg/m ³	V0
Fluoride Ion	0.00001	0.0006	µg/m ³	V0
Chloride Ion	0.0014	0.0255	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1897	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-09-08 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-09-09 00:00

Set Index: 1
WBEA ID: 220904372
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		738.5	mmHg	
Particulate Matter	0.042	1.708	µg/m ³	V0
Sodium Ion	0.0006	0.0028	µg/m ³	V0
Ammonium Ion	0.00004	0.0083	µg/m ³	V0
Potassium Ion	0.0001	0.0038	µg/m ³	V0
Magnesium Ion	0.00005	0.0019	µg/m ³	V0
Calcium Ion	0.0021	0.0112	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	0.0262	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1815	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904378
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.3	°C	
Pressure		726.1	mmHg	
Particulate Matter	0.042	1.958	µg/m ³	V0
Sodium Ion	0.0006	0.0031	µg/m ³	V0
Ammonium Ion	0.00004	0.0370	µg/m ³	V0
Potassium Ion	0.0001	0.0036	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0151	µg/m ³	V0
Fluoride Ion	0.00001	0.0011	µg/m ³	V0
Chloride Ion	0.0014	0.0160	µg/m ³	V0
Nitrate Ion	0.0002	0.0228	µg/m ³	V0
Sulphate Ion	0.0001	0.2483	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904390
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

Short sampling duration and low sample volume due to power outage.(85380/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		12.4	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	0.759	µg/m ³	V0
Sodium Ion	0.0006	0.0041	µg/m ³	V0
Ammonium Ion	0.00004	0.0001	µg/m ³	V0
Potassium Ion	0.0001	0.0030	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0066	µg/m ³	V0
Fluoride Ion	0.00001	0.0003	µg/m ³	V0
Chloride Ion	0.0014	0.0236	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1367	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-09-09 09:23**

Samp Use: **Field Procedure Blank**
Loc ID: **ATHV**
End Date: **2022-09-09 09:24**

Set Index: **1**
WBEA ID: **220904437**
Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0011	µg/m ³	V0
Chloride Ion	0.0014	0.0360	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904425
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		715.8	mmHg	
Particulate Matter	0.042	5.167	µg/m ³	V0
Sodium Ion	0.0006	0.0048	µg/m ³	V0
Ammonium Ion	0.00004	0.1262	µg/m ³	V0
Potassium Ion	0.0001	0.0082	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0335	µg/m ³	V0
Fluoride Ion	0.00001	0.0029	µg/m ³	V0
Chloride Ion	0.0014	0.0092	µg/m ³	V0
Nitrate Ion	0.0002	0.0185	µg/m ³	V0
Sulphate Ion	0.0001	0.3744	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-09-14 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-09-15 00:00

Set Index: 1
WBEA ID: 220904443
Duration: 24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.2	°C	
Pressure		738.1	mmHg	
Particulate Matter	0.042	6.042	µg/m ³	V0
Sodium Ion	0.0006	0.0069	µg/m ³	V0
Ammonium Ion	0.00004	0.1160	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0084	µg/m ³	V0
Calcium Ion	0.0021	0.0661	µg/m ³	V0
Fluoride Ion	0.00001	0.0023	µg/m ³	V0
Chloride Ion	0.0014	0.0162	µg/m ³	V0
Nitrate Ion	0.0002	0.0315	µg/m ³	V0
Sulphate Ion	0.0001	0.3803	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-09-14 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-09-15 00:00

Set Index: 1
WBEA ID: 220904452
Duration: 24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		725.5	mmHg	
Particulate Matter	0.042	4.875	µg/m ³	V0
Sodium Ion	0.0006	0.0065	µg/m ³	V0
Ammonium Ion	0.00004	0.0377	µg/m ³	V0
Potassium Ion	0.0001	0.0072	µg/m ³	V0
Magnesium Ion	0.00005	0.0073	µg/m ³	V0
Calcium Ion	0.0021	0.0451	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.0250	µg/m ³	V0
Nitrate Ion	0.0002	0.0169	µg/m ³	V0
Sulphate Ion	0.0001	0.1975	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904456
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		735.0	mmHg	
Particulate Matter	0.042	7.167	µg/m ³	V0
Sodium Ion	0.0006	0.0097	µg/m ³	V0
Ammonium Ion	0.00004	0.1276	µg/m ³	V0
Potassium Ion	0.0001	0.0047	µg/m ³	V0
Magnesium Ion	0.00005	0.0107	µg/m ³	V0
Calcium Ion	0.0021	0.2158	µg/m ³	V0
Fluoride Ion	0.00001	0.0032	µg/m ³	V0
Chloride Ion	0.0014	0.0234	µg/m ³	V0
Nitrate Ion	0.0002	0.0365	µg/m ³	V0
Sulphate Ion	0.0001	0.3621	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904481
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.4	°C	
Pressure		709.5	mmHg	
Particulate Matter	0.042	15.833	µg/m ³	V0
Sodium Ion	0.0006	0.0117	µg/m ³	V0
Ammonium Ion	0.00004	0.0154	µg/m ³	V0
Potassium Ion	0.0001	0.0152	µg/m ³	V0
Magnesium Ion	0.00005	0.0242	µg/m ³	V0
Calcium Ion	0.0021	0.8834	µg/m ³	V4
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0789	µg/m ³	V0
Nitrate Ion	0.0002	0.0390	µg/m ³	V0
Sulphate Ion	0.0001	0.2608	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Janvier
Start Date: 2022-09-14 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-09-15 00:00

Set Index: 1
WBEA ID: 220904491
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.3	°C	
Pressure		717.1	mmHg	
Particulate Matter	0.042	6.708	µg/m ³	V0
Sodium Ion	0.0006	0.0038	µg/m ³	V0
Ammonium Ion	0.00004	0.1192	µg/m ³	V0
Potassium Ion	0.0001	0.0133	µg/m ³	V0
Magnesium Ion	0.00005	0.0077	µg/m ³	V0
Calcium Ion	0.0021	0.0401	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.0547	µg/m ³	V0
Nitrate Ion	0.0002	0.0291	µg/m ³	V0
Sulphate Ion	0.0001	0.3074	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904485
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.4	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	3.375	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.0590	µg/m ³	V0
Potassium Ion	0.0001	0.0030	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0230	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0440	µg/m ³	V0
Sulphate Ion	0.0001	0.2010	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904534
Start Date:	2022-09-16 16:25	End Date:	2022-09-16 16:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Sodium Ion	0.0006	0.0030	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0030	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0340	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904511
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.4	°C	
Pressure		740.3	mmHg	
Particulate Matter	0.042	1.958	µg/m ³	V0
Sodium Ion	0.0006	0.0130	µg/m ³	V0
Ammonium Ion	0.00004	0.0030	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0180	µg/m ³	V0
Nitrate Ion	0.0002	0.0280	µg/m ³	V0
Sulphate Ion	0.0001	0.1910	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-09-20 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-09-21 00:00

Set Index: 1
WBEA ID: 220904547
Duration: 24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.5	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Sodium Ion	0.0006	0.0160	µg/m ³	V0
Ammonium Ion	0.00004	0.0030	µg/m ³	V0
Potassium Ion	0.0001	0.0050	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0270	µg/m ³	V0
Nitrate Ion	0.0002	0.0230	µg/m ³	V0
Sulphate Ion	0.0001	0.2020	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904558
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.7	°C	
Pressure		713.9	mmHg	
Particulate Matter	0.042	2.083	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.0950	µg/m ³	V0
Potassium Ion	0.0001	0.0090	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0180	µg/m ³	V0
Nitrate Ion	0.0002	0.0200	µg/m ³	V0
Sulphate Ion	0.0001	0.4290	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-09-20 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-09-21 00:00

Set Index: 1
WBEA ID: 220904560
Duration: 24.0 hr

Notes

Short sampling duration and low sample volume due to power failure.(85680/86400)
Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.8	m ³	V6
Temperature		10.0	°C	
Pressure		743.0	mmHg	
Particulate Matter	0.042	3.235	µg/m ³	V0
Sodium Ion	0.0006	0.0161	µg/m ³	V0
Ammonium Ion	0.00004	0.0246	µg/m ³	V0
Potassium Ion	0.0001	0.0059	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0328	µg/m ³	V0
Fluoride Ion	0.00001	0.0003	µg/m ³	V0
Chloride Ion	0.0014	0.0226	µg/m ³	V0
Nitrate Ion	0.0002	0.0354	µg/m ³	V0
Sulphate Ion	0.0001	0.2633	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904569
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		721.5	mmHg	
Particulate Matter	0.042	2.208	µg/m ³	V0
Sodium Ion	0.0006	0.0096	µg/m ³	V0
Ammonium Ion	0.00004	0.1391	µg/m ³	V0
Potassium Ion	0.0001	0.0058	µg/m ³	V0
Magnesium Ion	0.00005	0.0021	µg/m ³	V0
Calcium Ion	0.0021	0.0055	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0143	µg/m ³	V0
Nitrate Ion	0.0002	0.0267	µg/m ³	V0
Sulphate Ion	0.0001	0.4648	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904573
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.0	°C	
Pressure		720.3	mmHg	
Particulate Matter	0.042	2.042	µg/m ³	V0
Sodium Ion	0.0006	0.0140	µg/m ³	V0
Ammonium Ion	0.00004	0.0390	µg/m ³	V0
Potassium Ion	0.0001	0.0060	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0240	µg/m ³	V0
Nitrate Ion	0.0002	0.0250	µg/m ³	V0
Sulphate Ion	0.0001	0.2910	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904541
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.5	°C	
Pressure		742.0	mmHg	
Particulate Matter	0.042	0.958	µg/m ³	V0
Sodium Ion	0.0006	0.0290	µg/m ³	V0
Ammonium Ion	0.00004	0.0130	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0620	µg/m ³	V0
Sulphate Ion	0.0001	0.1890	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904678
Start Date:	2022-09-23 14:25	End Date:	2022-09-23 14:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	0.0015	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0199	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904586
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.6	°C	
Pressure		739.5	mmHg	
Particulate Matter	0.042	6.417	µg/m ³	V0
Sodium Ion	0.0006	0.0118	µg/m ³	V0
Ammonium Ion	0.00004	0.3148	µg/m ³	V0
Potassium Ion	0.0001	0.0070	µg/m ³	V0
Magnesium Ion	0.00005	0.0058	µg/m ³	V0
Calcium Ion	0.0021	0.1799	µg/m ³	V0
Fluoride Ion	0.00001	0.0008	µg/m ³	V0
Chloride Ion	0.0014	0.0156	µg/m ³	V0
Nitrate Ion	0.0002	0.0381	µg/m ³	V0
Sulphate Ion	0.0001	0.8920	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-09-26 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-09-27 00:00

Set Index: 1
WBEA ID: 220904651
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.1	°C	
Pressure		742.2	mmHg	
Particulate Matter	0.042	3.583	µg/m ³	V0
Sodium Ion	0.0006	0.0081	µg/m ³	V0
Ammonium Ion	0.00004	0.0826	µg/m ³	V0
Potassium Ion	0.0001	0.0060	µg/m ³	V0
Magnesium Ion	0.00005	0.0029	µg/m ³	V0
Calcium Ion	0.0021	0.0207	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0233	µg/m ³	V0
Nitrate Ion	0.0002	0.0264	µg/m ³	V0
Sulphate Ion	0.0001	0.3660	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904659
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.7	°C	
Pressure		730.3	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Sodium Ion	0.0006	0.0090	µg/m ³	V0
Ammonium Ion	0.00004	0.1240	µg/m ³	V0
Potassium Ion	0.0001	0.0050	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0170	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0190	µg/m ³	V0
Nitrate Ion	0.0002	0.0200	µg/m ³	V0
Sulphate Ion	0.0001	0.4650	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904664
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		713.4	mmHg	
Particulate Matter	0.042	6.583	µg/m ³	V0
Sodium Ion	0.0006	0.0090	µg/m ³	V0
Ammonium Ion	0.00004	0.0090	µg/m ³	V0
Potassium Ion	0.0001	0.0050	µg/m ³	V0
Magnesium Ion	0.00005	0.0190	µg/m ³	V0
Calcium Ion	0.0021	0.4340	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0280	µg/m ³	V0
Nitrate Ion	0.0002	0.0230	µg/m ³	V0
Sulphate Ion	0.0001	0.1980	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904672
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.6	°C	
Pressure		721.2	mmHg	
Particulate Matter	0.042	2.583	µg/m ³	V0
Sodium Ion	0.0006	0.0034	µg/m ³	V0
Ammonium Ion	0.00004	0.0422	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0024	µg/m ³	V0
Calcium Ion	0.0021	0.0143	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0441	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2668	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Anzac
Start Date: 2022-09-26 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-09-27 00:00

Set Index: 1
WBEA ID: 220904682
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.6	°C	
Pressure		719.9	mmHg	
Particulate Matter	0.042	2.542	µg/m ³	V0
Sodium Ion	0.0006	0.0082	µg/m ³	V0
Ammonium Ion	0.00004	0.0678	µg/m ³	V0
Potassium Ion	0.0001	0.0048	µg/m ³	V0
Magnesium Ion	0.00005	0.0031	µg/m ³	V0
Calcium Ion	0.0021	0.0185	µg/m ³	V0
Fluoride Ion	0.00001	0.0008	µg/m ³	V0
Chloride Ion	0.0014	0.0254	µg/m ³	V0
Nitrate Ion	0.0002	0.0198	µg/m ³	V0
Sulphate Ion	0.0001	0.3096	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-09-26 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-09-27 00:00

Set Index: 1
WBEA ID: 220904604
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.7	°C	
Pressure		741.5	mmHg	
Particulate Matter	0.042	5.125	µg/m ³	V0
Sodium Ion	0.0006	0.0120	µg/m ³	V0
Ammonium Ion	0.00004	0.0420	µg/m ³	V0
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0490	µg/m ³	V0
Sulphate Ion	0.0001	0.1680	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904697
Start Date:	2022-09-27 12:00	End Date:	2022-09-27 12:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904689
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.5	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Sodium Ion	0.0006	0.0043	µg/m ³	V0
Ammonium Ion	0.00004	0.1953	µg/m ³	V0
Potassium Ion	0.0001	0.0181	µg/m ³	V0
Magnesium Ion	0.00005	0.0024	µg/m ³	V0
Calcium Ion	0.0021	0.0232	µg/m ³	V0
Fluoride Ion	0.00001	0.0035	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0405	µg/m ³	V0
Sulphate Ion	0.0001	0.5242	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904701
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.1	°C	
Pressure		710.7	mmHg	
Particulate Matter	0.042	5.875	µg/m ³	V0
Sodium Ion	0.0006	0.0050	µg/m ³	V0
Ammonium Ion	0.00004	0.1958	µg/m ³	V0
Potassium Ion	0.0001	0.0269	µg/m ³	V0
Magnesium Ion	0.00005	0.0177	µg/m ³	V0
Calcium Ion	0.0021	0.1760	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0809	µg/m ³	V0
Sulphate Ion	0.0001	0.5470	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904711
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		718.2	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Sodium Ion	0.0006	0.0051	µg/m ³	V0
Ammonium Ion	0.00004	0.2493	µg/m ³	V0
Potassium Ion	0.0001	0.0161	µg/m ³	V0
Magnesium Ion	0.00005	0.0099	µg/m ³	V0
Calcium Ion	0.0021	0.0589	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0684	µg/m ³	V0
Sulphate Ion	0.0001	0.6448	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904720
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		726.2	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Sodium Ion	0.0006	0.0050	µg/m ³	V0
Ammonium Ion	0.00004	0.2000	µg/m ³	V0
Potassium Ion	0.0001	0.0150	µg/m ³	V0
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	0.0340	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0560	µg/m ³	V0
Sulphate Ion	0.0001	0.4960	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904731
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.8	°C	
Pressure		716.4	mmHg	
Particulate Matter	0.042	4.833	µg/m ³	V0
Sodium Ion	0.0006	0.0051	µg/m ³	V0
Ammonium Ion	0.00004	0.1851	µg/m ³	V0
Potassium Ion	0.0001	0.0157	µg/m ³	V0
Magnesium Ion	0.00005	0.0068	µg/m ³	V0
Calcium Ion	0.0021	0.0486	µg/m ³	V0
Fluoride Ion	0.00001	0.0023	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0644	µg/m ³	V0
Sulphate Ion	0.0001	0.4587	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904744
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.0	°C	
Pressure		738.5	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Sodium Ion	0.0006	0.0051	µg/m ³	V0
Ammonium Ion	0.00004	0.2123	µg/m ³	V0
Potassium Ion	0.0001	0.0169	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0401	µg/m ³	V0
Fluoride Ion	0.00001	0.0025	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0605	µg/m ³	V0
Sulphate Ion	0.0001	0.5450	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904750
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.2	°C	
Pressure		735.6	mmHg	
Particulate Matter	0.042	5.375	µg/m ³	V0
Sodium Ion	0.0006	0.0058	µg/m ³	V0
Ammonium Ion	0.00004	0.2902	µg/m ³	V0
Potassium Ion	0.0001	0.0183	µg/m ³	V0
Magnesium Ion	0.00005	0.0005	µg/m ³	V0
Calcium Ion	0.0021	0.0186	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0430	µg/m ³	V0
Sulphate Ion	0.0001	0.7218	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004814
Start Date:	2022-10-04 14:35	End Date:	2022-10-04 14:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0013	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0024	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0033	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0259	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004781
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		719.9	mmHg	
Particulate Matter	0.042	13.750	µg/m ³	V0
Sodium Ion	0.0006	0.0030	µg/m ³	V0
Ammonium Ion	0.00004	0.2680	µg/m ³	V0
Potassium Ion	0.0001	0.0330	µg/m ³	V0
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	0.0230	µg/m ³	V0
Fluoride Ion	0.00001	0.0080	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0270	µg/m ³	V0
Sulphate Ion	0.0001	0.4400	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221004788
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.3	°C	
Pressure		742.3	mmHg	
Particulate Matter	0.042	16.500	µg/m ³	V0
Sodium Ion	0.0006	0.0116	µg/m ³	V0
Ammonium Ion	0.00004	0.2657	µg/m ³	V0
Potassium Ion	0.0001	0.0461	µg/m ³	V0
Magnesium Ion	0.00005	0.0208	µg/m ³	V0
Calcium Ion	0.0021	0.1902	µg/m ³	V4
Fluoride Ion	0.00001	0.0103	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0477	µg/m ³	V0
Sulphate Ion	0.0001	0.5678	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004792
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		730.5	mmHg	
Particulate Matter	0.042	11.917	µg/m ³	V0
Sodium Ion	0.0006	0.0043	µg/m ³	V0
Ammonium Ion	0.00004	0.2771	µg/m ³	V0
Potassium Ion	0.0001	0.0339	µg/m ³	V0
Magnesium Ion	0.00005	0.0009	µg/m ³	V0
Calcium Ion	0.0021	0.0180	µg/m ³	V0
Fluoride Ion	0.00001	0.0080	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0401	µg/m ³	V0
Sulphate Ion	0.0001	0.5587	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Conklin
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004805
Duration: 24.0 hr

Notes

High spiking PM2.5 in evening.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.9	°C	
Pressure		713.6	mmHg	
Particulate Matter	0.042	20.208	µg/m ³	V0
Sodium Ion	0.0006	0.0162	µg/m ³	V0
Ammonium Ion	0.00004	0.1211	µg/m ³	V0
Potassium Ion	0.0001	0.0253	µg/m ³	V0
Magnesium Ion	0.00005	0.0388	µg/m ³	V0
Calcium Ion	0.0021	1.1671	µg/m ³	V4
Fluoride Ion	0.00001	0.0029	µg/m ³	V0
Chloride Ion	0.0014	0.0074	µg/m ³	V0
Nitrate Ion	0.0002	0.0446	µg/m ³	V0
Sulphate Ion	0.0001	0.3949	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Janvier
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004816
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		721.3	mmHg	
Particulate Matter	0.042	7.417	µg/m ³	V0
Sodium Ion	0.0006	0.0031	µg/m ³	V0
Ammonium Ion	0.00004	0.2026	µg/m ³	V0
Potassium Ion	0.0001	0.0199	µg/m ³	V0
Magnesium Ion	0.00005	0.0018	µg/m ³	V0
Calcium Ion	0.0021	0.0227	µg/m ³	V0
Fluoride Ion	0.00001	0.0049	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0354	µg/m ³	V0
Sulphate Ion	0.0001	0.4690	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004823
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.9	°C	
Pressure		741.6	mmHg	
Particulate Matter	0.042	9.292	µg/m ³	V0
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	0.0990	µg/m ³	V0
Potassium Ion	0.0001	0.0150	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0070	µg/m ³	V0
Fluoride Ion	0.00001	0.0070	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1950	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004863
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.9	°C	
Pressure		739.6	mmHg	
Particulate Matter	0.042	21.958	µg/m ³	V0
Sodium Ion	0.0006	0.0107	µg/m ³	V0
Ammonium Ion	0.00004	1.4099	µg/m ³	V0
Potassium Ion	0.0001	0.0454	µg/m ³	V0
Magnesium Ion	0.00005	0.0013	µg/m ³	V0
Calcium Ion	0.0021	0.2705	µg/m ³	V4
Fluoride Ion	0.00001	0.0099	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0698	µg/m ³	V0
Sulphate Ion	0.0001	3.8958	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Ion	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004941	
Start Date:	2022-10-13 13:05	End Date:	2022-10-13 13:06	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Sodium Ion	0.0006	0.0011	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0016	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0069	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0453	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004875
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.9	°C	
Pressure		707.9	mmHg	
Particulate Matter	0.042	6.875	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	0.1911	µg/m ³	V0
Potassium Ion	0.0001	0.0199	µg/m ³	V0
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.0545	µg/m ³	V0
Fluoride Ion	0.00001	0.0037	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0464	µg/m ³	V0
Sulphate Ion	0.0001	0.5388	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004881
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.6	°C	
Pressure		715.6	mmHg	
Particulate Matter	0.042	5.083	µg/m ³	V0
Sodium Ion	0.0006	0.0042	µg/m ³	V0
Ammonium Ion	0.00004	0.1051	µg/m ³	V0
Potassium Ion	0.0001	0.0101	µg/m ³	V0
Magnesium Ion	0.00005	0.0019	µg/m ³	V0
Calcium Ion	0.0021	0.0215	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0412	µg/m ³	V0
Sulphate Ion	0.0001	0.3221	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004888
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.1	°C	
Pressure		714.7	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Sodium Ion	0.0006	0.0066	µg/m ³	V0
Ammonium Ion	0.00004	0.0986	µg/m ³	V0
Potassium Ion	0.0001	0.0089	µg/m ³	V0
Magnesium Ion	0.00005	0.0015	µg/m ³	V0
Calcium Ion	0.0021	0.0214	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0524	µg/m ³	V0
Sulphate Ion	0.0001	0.3170	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-10-14 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-10-15 00:00

Set Index: 1
WBEA ID: 221004893
Duration: 24.0 hr

Notes

Power outage resulted in short sampling duration and low sample volume.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.8	m ³	V6
Temperature		4.4	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	2.563	µg/m ³	V0
Sodium Ion	0.0006	0.0051	µg/m ³	V0
Ammonium Ion	0.00004	0.0341	µg/m ³	V0
Potassium Ion	0.0001	0.0039	µg/m ³	V0
Magnesium Ion	0.00005	0.0008	µg/m ³	V0
Calcium Ion	0.0021	0.0087	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0373	µg/m ³	V0
Sulphate Ion	0.0001	0.1649	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-10-14 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-10-15 00:00

Set Index: 1
WBEA ID: 221004906
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.6	°C	
Pressure		737.7	mmHg	
Particulate Matter	0.042	3.833	µg/m ³	V0
Sodium Ion	0.0006	0.0056	µg/m ³	V0
Ammonium Ion	0.00004	0.0574	µg/m ³	V0
Potassium Ion	0.0001	0.0164	µg/m ³	V0
Magnesium Ion	0.00005	0.0022	µg/m ³	V0
Calcium Ion	0.0021	0.0283	µg/m ³	V0
Fluoride Ion	0.00001	0.0016	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0426	µg/m ³	V0
Sulphate Ion	0.0001	0.2415	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004918
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.6	°C	
Pressure		725.2	mmHg	
Particulate Matter	0.042	22.042	µg/m ³	V0
Sodium Ion	0.0006	0.0049	µg/m ³	V0
Ammonium Ion	0.00004	0.1291	µg/m ³	V0
Potassium Ion	0.0001	0.0085	µg/m ³	V0
Magnesium Ion	0.00005	0.0021	µg/m ³	V0
Calcium Ion	0.0021	0.0172	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0323	µg/m ³	V0
Sulphate Ion	0.0001	0.3974	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004945
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.0	°C	
Pressure		735.5	mmHg	
Particulate Matter	0.042	6.917	µg/m ³	V0
Sodium Ion	0.0006	0.0082	µg/m ³	V0
Ammonium Ion	0.00004	0.1880	µg/m ³	V0
Potassium Ion	0.0001	0.0189	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0867	µg/m ³	V0
Fluoride Ion	0.00001	0.0045	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0597	µg/m ³	V0
Sulphate Ion	0.0001	0.5327	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004954
Start Date:	2022-10-17 10:00	End Date:	2022-10-17 10:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.375	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0027	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221004960
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.4	°C	
Pressure		715.6	mmHg	
Particulate Matter	0.042	6.333	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.0080	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0360	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0060	µg/m ³	V0
Nitrate Ion	0.0002	0.0490	µg/m ³	V0
Sulphate Ion	0.0001	0.1100	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004984
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.4	°C	
Pressure		726.3	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Sodium Ion	0.0006	0.0079	µg/m ³	V0
Ammonium Ion	0.00004	0.0072	µg/m ³	V0
Potassium Ion	0.0001	0.0131	µg/m ³	V0
Magnesium Ion	0.00005	0.0017	µg/m ³	V0
Calcium Ion	0.0021	0.0228	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0415	µg/m ³	V0
Sulphate Ion	0.0001	0.0991	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005001
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.2	°C	
Pressure		701.6	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Sodium Ion	0.0006	0.0228	µg/m ³	V0
Ammonium Ion	0.00004	0.0081	µg/m ³	V0
Potassium Ion	0.0001	0.0099	µg/m ³	V0
Magnesium Ion	0.00005	0.0033	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0141	µg/m ³	V0
Nitrate Ion	0.0002	0.0512	µg/m ³	V0
Sulphate Ion	0.0001	0.1564	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005007
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.4	°C	
Pressure		708.7	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Sodium Ion	0.0006	0.0180	µg/m ³	V0
Ammonium Ion	0.00004	0.0087	µg/m ³	V0
Potassium Ion	0.0001	0.0146	µg/m ³	V0
Magnesium Ion	0.00005	0.0024	µg/m ³	V0
Calcium Ion	0.0021	0.0122	µg/m ³	V0
Fluoride Ion	0.00001	0.0025	µg/m ³	V0
Chloride Ion	0.0014	0.0080	µg/m ³	V0
Nitrate Ion	0.0002	0.0502	µg/m ³	V0
Sulphate Ion	0.0001	0.1579	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005013
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.5	°C	
Pressure		707.2	mmHg	
Particulate Matter	0.042	4.458	µg/m ³	V0
Sodium Ion	0.0006	0.0133	µg/m ³	V0
Ammonium Ion	0.00004	0.0146	µg/m ³	V0
Potassium Ion	0.0001	0.0171	µg/m ³	V0
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.0270	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	0.0058	µg/m ³	V0
Nitrate Ion	0.0002	0.0702	µg/m ³	V0
Sulphate Ion	0.0001	0.1566	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221005018
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		727.1	mmHg	
Particulate Matter	0.042	1.417	µg/m ³	V0
Sodium Ion	0.0006	0.0039	µg/m ³	V0
Ammonium Ion	0.00004	0.0082	µg/m ³	V0
Potassium Ion	0.0001	0.0076	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0089	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0447	µg/m ³	V0
Sulphate Ion	0.0001	0.0858	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221005034
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		729.2	mmHg	
Particulate Matter	0.042	9.708	µg/m ³	V0
Sodium Ion	0.0006	0.0233	µg/m ³	V0
Ammonium Ion	0.00004	0.0087	µg/m ³	V0
Potassium Ion	0.0001	0.0245	µg/m ³	V0
Magnesium Ion	0.00005	0.0125	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0152	µg/m ³	V0
Nitrate Ion	0.0002	0.0649	µg/m ³	V0
Sulphate Ion	0.0001	0.1677	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221005200
Start Date:	2022-10-24 14:50	End Date:	2022-10-24 14:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	0.0012	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0017	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005122
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.7	°C	
Pressure		726.0	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Sodium Ion	0.0006	0.0055	µg/m ³	V0
Ammonium Ion	0.00004	0.2711	µg/m ³	V0
Potassium Ion	0.0001	0.0124	µg/m ³	V0
Magnesium Ion	0.00005	0.0009	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0323	µg/m ³	V0
Sulphate Ion	0.0001	0.8605	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221005186
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.0	°C	
Pressure		727.6	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Sodium Ion	0.0006	0.0030	µg/m ³	V0
Ammonium Ion	0.00004	0.2559	µg/m ³	V0
Potassium Ion	0.0001	0.0274	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0046	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0356	µg/m ³	V0
Sulphate Ion	0.0001	0.7507	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-27 00:00

Set Index: 1
WBEA ID: 221005192
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.0	°C	
Pressure		715.1	mmHg	
Particulate Matter	0.042	2.875	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	0.1023	µg/m ³	V0
Potassium Ion	0.0001	0.0105	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0067	µg/m ³	V0
Fluoride Ion	0.00001	0.0025	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0404	µg/m ³	V0
Sulphate Ion	0.0001	0.3735	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-10-26 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-10-27 00:00**

Set Index: **1**
WBEA ID: **221005204**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.5	°C	
Pressure		729.0	mmHg	
Particulate Matter	0.042	1.458	µg/m ³	V0
Sodium Ion	0.0006	0.0025	µg/m ³	V0
Ammonium Ion	0.00004	0.0243	µg/m ³	V0
Potassium Ion	0.0001	0.0116	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0270	µg/m ³	V0
Sulphate Ion	0.0001	0.2318	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005213
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.7	°C	
Pressure		700.6	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Sodium Ion	0.0006	0.0019	µg/m ³	V0
Ammonium Ion	0.00004	0.2064	µg/m ³	V0
Potassium Ion	0.0001	0.0164	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0059	µg/m ³	V0
Fluoride Ion	0.00001	0.0013	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0494	µg/m ³	V0
Sulphate Ion	0.0001	0.5726	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005221
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.8	°C	
Pressure		708.4	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Sodium Ion	0.0006	0.0024	µg/m ³	V0
Ammonium Ion	0.00004	0.2799	µg/m ³	V0
Potassium Ion	0.0001	0.0055	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0046	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0380	µg/m ³	V0
Sulphate Ion	0.0001	0.7692	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Anzac
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-10-27 00:00

Set Index: 1
WBEA ID: 221005232
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.1	°C	
Pressure		706.7	mmHg	
Particulate Matter	0.042	1.250	µg/m ³	V0
Sodium Ion	0.0006	0.0027	µg/m ³	V0
Ammonium Ion	0.00004	0.1120	µg/m ³	V0
Potassium Ion	0.0001	0.0113	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0081	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0397	µg/m ³	V0
Sulphate Ion	0.0001	0.4119	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005246
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.0	°C	
Pressure		714.2	mmHg	
Particulate Matter	0.042	0.958	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	0.0240	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0070	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0410	µg/m ³	V0
Sulphate Ion	0.0001	0.2760	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005251
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.0	°C	
Pressure		734.1	mmHg	
Particulate Matter	0.042	2.875	µg/m ³	V0
Sodium Ion	0.0006	0.0030	µg/m ³	V0
Ammonium Ion	0.00004	0.0090	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0340	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0610	µg/m ³	V0
Sulphate Ion	0.0001	0.2800	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005269
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.1	°C	
Pressure		706.0	mmHg	
Particulate Matter	0.042	1.042	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	0.0200	µg/m ³	V0
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	0.0140	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0530	µg/m ³	V0
Sulphate Ion	0.0001	0.3100	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005285
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.5	°C	
Pressure		713.2	mmHg	
Particulate Matter	0.042	1.333	µg/m ³	V0
Sodium Ion	0.0006	0.0050	µg/m ³	V0
Ammonium Ion	0.00004	0.0290	µg/m ³	V0
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0180	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0380	µg/m ³	V0
Sulphate Ion	0.0001	0.3040	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-11-01 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-11-02 00:00

Set Index: 1
WBEA ID: 221005293
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.6	°C	
Pressure		738.4	mmHg	
Particulate Matter	0.042	0.792	µg/m ³	V0
Sodium Ion	0.0006	0.0090	µg/m ³	V0
Ammonium Ion	0.00004	0.0120	µg/m ³	V0
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0520	µg/m ³	V0
Sulphate Ion	0.0001	0.2680	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-11-01 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-11-02 00:00

Set Index: 1
WBEA ID: 221005298
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.2	°C	
Pressure		723.4	mmHg	
Particulate Matter	0.042	2.833	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.0240	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0200	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0650	µg/m ³	V0
Sulphate Ion	0.0001	0.2890	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-11-01 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-11-02 00:00**

Set Index: **1**
WBEA ID: **221005306**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.2	°C	
Pressure		736.0	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.0220	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0140	µg/m ³	V0
Calcium Ion	0.0021	0.0130	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0620	µg/m ³	V0
Sulphate Ion	0.0001	0.2540	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105355
Start Date:	2022-11-02 13:04	End Date:	2022-11-02 13:05	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0090	µg/m ³	V0
Nitrate Ion	0.0002	0.3390	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105413
Start Date:	2022-11-04 14:10	End Date:	2022-11-04 14:11	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0030	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2060	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Conklin
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105329
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		723.9	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Sodium Ion	0.0006	0.0410	µg/m ³	V0
Ammonium Ion	0.00004	0.1630	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0150	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0140	µg/m ³	V0
Nitrate Ion	0.0002	0.0860	µg/m ³	V0
Sulphate Ion	0.0001	0.7650	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Janvier
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105341
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		733.1	mmHg	
Particulate Matter	0.042	2.042	µg/m ³	V0
Sodium Ion	0.0006	0.0540	µg/m ³	V0
Ammonium Ion	0.00004	0.1580	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0140	µg/m ³	V0
Nitrate Ion	0.0002	0.1210	µg/m ³	V0
Sulphate Ion	0.0001	0.9810	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Anzac
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105349
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		732.1	mmHg	
Particulate Matter	0.042	1.542	µg/m ³	V0
Sodium Ion	0.0006	0.0450	µg/m ³	V0
Ammonium Ion	0.00004	0.1810	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0200	µg/m ³	V0
Nitrate Ion	0.0002	0.0880	µg/m ³	V0
Sulphate Ion	0.0001	1.0140	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105372
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		755.3	mmHg	
Particulate Matter	0.042	2.583	µg/m ³	V0
Sodium Ion	0.0006	0.0220	µg/m ³	V0
Ammonium Ion	0.00004	0.1580	µg/m ³	V0
Potassium Ion	0.0001	0.0050	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0640	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.5770	µg/m ³	V0
Nitrate Ion	0.0002	0.0640	µg/m ³	V0
Sulphate Ion	0.0001	0.8800	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105391
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		756.7	mmHg	
Particulate Matter	0.042	3.417	µg/m ³	V0
Sodium Ion	0.0006	0.0420	µg/m ³	V0
Ammonium Ion	0.00004	0.2380	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0100	µg/m ³	V0
Calcium Ion	0.0021	0.0270	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1940	µg/m ³	V0
Sulphate Ion	0.0001	0.8450	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105399
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		747.9	mmHg	
Particulate Matter	0.042	2.667	µg/m ³	V0
Sodium Ion	0.0006	0.0310	µg/m ³	V0
Ammonium Ion	0.00004	0.2490	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.0610	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1800	µg/m ³	V0
Sulphate Ion	0.0001	1.1100	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105418
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		757.9	mmHg	
Particulate Matter	0.042	1.458	µg/m ³	V0
Sodium Ion	0.0006	0.0150	µg/m ³	V0
Ammonium Ion	0.00004	0.0770	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0590	µg/m ³	V0
Sulphate Ion	0.0001	0.7720	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105482
Start Date:	2022-11-09 11:15	End Date:	2022-11-09 11:16	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1980	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105437
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.2	°C	
Pressure		738.8	mmHg	
Particulate Matter	0.042	8.250	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.4590	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0760	µg/m ³	V0
Calcium Ion	0.0021	0.0070	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.7290	µg/m ³	V0
Sulphate Ion	0.0001	1.1230	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105446
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.6	°C	
Pressure		737.5	mmHg	
Particulate Matter	0.042	8.625	µg/m ³	V0
Sodium Ion	0.0006	0.0090	µg/m ³	V0
Ammonium Ion	0.00004	0.4740	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0850	µg/m ³	V0
Calcium Ion	0.0021	0.0150	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.8620	µg/m ³	V0
Sulphate Ion	0.0001	1.2100	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-11-13 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-11-14 00:00**

Set Index: **1**
WBEA ID: **221105468**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.9	°C	
Pressure		740.4	mmHg	
Particulate Matter	0.042	9.125	µg/m ³	V0
Sodium Ion	0.0006	0.0270	µg/m ³	V0
Ammonium Ion	0.00004	0.3870	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0700	µg/m ³	V0
Calcium Ion	0.0021	0.0190	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.0880	µg/m ³	V0
Sulphate Ion	0.0001	0.8500	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105472
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.1	°C	
Pressure		728.8	mmHg	
Particulate Matter	0.042	6.125	µg/m ³	V0
Sodium Ion	0.0006	0.0080	µg/m ³	V0
Ammonium Ion	0.00004	0.2650	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0510	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.6520	µg/m ³	V0
Sulphate Ion	0.0001	0.5380	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105481
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.0	°C	
Pressure		711.3	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.0750	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0420	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0950	µg/m ³	V0
Sulphate Ion	0.0001	0.4220	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105492
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.5	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	4.417	µg/m ³	V0
Sodium Ion	0.0006	0.0070	µg/m ³	V0
Ammonium Ion	0.00004	0.1280	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0390	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0840	µg/m ³	V0
Sulphate Ion	0.0001	0.5250	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105496
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.6	°C	
Pressure		717.4	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Sodium Ion	0.0006	0.0050	µg/m ³	V0
Ammonium Ion	0.00004	0.1400	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0310	µg/m ³	V0
Calcium Ion	0.0021	0.0050	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0540	µg/m ³	V0
Sulphate Ion	0.0001	0.5450	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105561
Start Date:	2022-11-16 12:47	End Date:	2022-11-16 12:48	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0310	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105529
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.5	°C	
Pressure		734.5	mmHg	
Particulate Matter	0.042	7.208	µg/m ³	V0
Sodium Ion	0.0006	0.0340	µg/m ³	V0
Ammonium Ion	0.00004	0.1880	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0610	µg/m ³	V0
Calcium Ion	0.0021	0.0240	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.4010	µg/m ³	V0
Sulphate Ion	0.0001	0.8460	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105538
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.3	°C	
Pressure		725.5	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Sodium Ion	0.0006	0.0140	µg/m ³	V0
Ammonium Ion	0.00004	0.0400	µg/m ³	V0
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0440	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1360	µg/m ³	V0
Sulphate Ion	0.0001	0.3890	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-11-19 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-11-20 00:00**

Set Index: **1**
WBEA ID: **221105546**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.5	°C	
Pressure		737.2	mmHg	
Particulate Matter	0.042	6.833	µg/m ³	V0
Sodium Ion	0.0006	0.3850	µg/m ³	V0
Ammonium Ion	0.00004	0.0390	µg/m ³	V0
Potassium Ion	0.0001	0.0060	µg/m ³	V0
Magnesium Ion	0.00005	0.0590	µg/m ³	V0
Calcium Ion	0.0021	0.0520	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.4890	µg/m ³	V0
Nitrate Ion	0.0002	0.4190	µg/m ³	V0
Sulphate Ion	0.0001	0.4070	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105552
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.7	°C	
Pressure		714.0	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Sodium Ion	0.0006	0.0150	µg/m ³	V0
Ammonium Ion	0.00004	0.0420	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0410	µg/m ³	V0
Calcium Ion	0.0021	0.0080	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1250	µg/m ³	V0
Sulphate Ion	0.0001	0.4120	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105564
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.1	°C	
Pressure		715.7	mmHg	
Particulate Matter	0.042	3.583	µg/m ³	V0
Sodium Ion	0.0006	0.0230	µg/m ³	V0
Ammonium Ion	0.00004	0.0430	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0380	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1460	µg/m ³	V0
Sulphate Ion	0.0001	0.3980	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105572
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.9	°C	
Pressure		707.9	mmHg	
Particulate Matter	0.042	4.000	µg/m ³	V0
Sodium Ion	0.0006	0.0210	µg/m ³	V0
Ammonium Ion	0.00004	0.0410	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0330	µg/m ³	V0
Calcium Ion	0.0021	0.0250	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1500	µg/m ³	V0
Sulphate Ion	0.0001	0.3190	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-11-19 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-11-20 00:00

Set Index: 1
WBEA ID: 221105581
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.3	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Sodium Ion	0.0006	0.0290	µg/m ³	V0
Ammonium Ion	0.00004	0.0180	µg/m ³	V0
Potassium Ion	0.0001	0.0030	µg/m ³	V0
Magnesium Ion	0.00005	0.0280	µg/m ³	V0
Calcium Ion	0.0021	0.0200	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1600	µg/m ³	V0
Sulphate Ion	0.0001	0.3080	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105665
Start Date:	2022-11-23 15:50	End Date:	2022-11-23 15:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2010	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105586
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		706.3	mmHg	
Particulate Matter	0.042	0.792	µg/m ³	V0
Sodium Ion	0.0006	0.0030	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0090	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0410	µg/m ³	V0
Sulphate Ion	0.0001	0.2300	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105594
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.1	°C	
Pressure		708.1	mmHg	
Particulate Matter	0.042	0.750	µg/m ³	V0
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1810	µg/m ³	V0
Sulphate Ion	0.0001	0.1640	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105598
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.8	°C	
Pressure		700.9	mmHg	
Particulate Matter	0.042	1.583	µg/m ³	V0
Sodium Ion	0.0006	0.0030	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0150	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0520	µg/m ³	V0
Sulphate Ion	0.0001	0.2820	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105670
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.1	°C	
Pressure		725.3	mmHg	
Particulate Matter	0.042	1.208	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0100	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0120	µg/m ³	V0
Nitrate Ion	0.0002	0.0570	µg/m ³	V0
Sulphate Ion	0.0001	0.2420	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105678
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.2	°C	
Pressure		726.2	mmHg	
Particulate Matter	0.042	0.667	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0470	µg/m ³	V0
Sulphate Ion	0.0001	0.2320	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-11-26 00:00

Set Index: 1
WBEA ID: 221105685
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.9	°C	
Pressure		728.7	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0230	µg/m ³	V0
Calcium Ion	0.0021	0.0050	µg/m ³	V0
Fluoride Ion	0.00001	0.0090	µg/m ³	V0
Chloride Ion	0.0014	0.0250	µg/m ³	V0
Nitrate Ion	0.0002	0.0610	µg/m ³	V0
Sulphate Ion	0.0001	0.2140	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-11-26 00:00

Set Index: 1
WBEA ID: 221105693
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.0	°C	
Pressure		715.2	mmHg	
Particulate Matter	0.042	0.583	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0130	µg/m ³	V0
Calcium Ion	0.0021	0.0080	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0560	µg/m ³	V0
Sulphate Ion	0.0001	0.2310	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105720
Start Date:	2022-11-28 15:50	End Date:	2022-11-28 15:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	
Particulate Matter	0.042	0.042	µg/m ³	
Sodium Ion	0.0006	0.0020	µg/m ³	
Ammonium Ion	0.00004	0.0000	µg/m ³	
Potassium Ion	0.0001	0.0000	µg/m ³	
Magnesium Ion	0.00005	0.0000	µg/m ³	
Calcium Ion	0.0021	0.0000	µg/m ³	
Fluoride Ion	0.00001	0.0000	µg/m ³	
Chloride Ion	0.0014	0.0000	µg/m ³	
Nitrate Ion	0.0002	0.3100	µg/m ³	
Sulphate Ion	0.0001	0.0000	µg/m ³	
Phosphate Ion	0.0018	0.0000	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-12-01 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-12-02 00:00**

Set Index: **1**
WBEA ID: **221105711**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		740.7	mmHg	
Particulate Matter	0.042	2.833	µg/m ³	V0
Sodium Ion	0.0006	0.0320	µg/m ³	V0
Ammonium Ion	0.00004	0.0210	µg/m ³	V0
Potassium Ion	0.0001	0.0120	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0240	µg/m ³	V0
Nitrate Ion	0.0002	0.0170	µg/m ³	V0
Sulphate Ion	0.0001	0.3050	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-02 00:00

Set Index: 1
WBEA ID: 221105722
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		730.3	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Sodium Ion	0.0006	0.0300	µg/m ³	V0
Ammonium Ion	0.00004	0.0450	µg/m ³	V0
Potassium Ion	0.0001	0.0090	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0140	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0280	µg/m ³	V0
Sulphate Ion	0.0001	0.3660	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105731
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		738.3	mmHg	
Particulate Matter	0.042	3.583	µg/m ³	V0
Sodium Ion	0.0006	0.0280	µg/m ³	V0
Ammonium Ion	0.00004	0.1430	µg/m ³	V0
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0270	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1940	µg/m ³	V0
Sulphate Ion	0.0001	0.5980	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105754
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		717.2	mmHg	
Particulate Matter	0.042	1.875	µg/m ³	V0
Sodium Ion	0.0006	0.0340	µg/m ³	V0
Ammonium Ion	0.00004	0.0250	µg/m ³	V0
Potassium Ion	0.0001	0.0070	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0110	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0250	µg/m ³	V0
Nitrate Ion	0.0002	0.0040	µg/m ³	V0
Sulphate Ion	0.0001	0.3300	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105769
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		708.5	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Sodium Ion	0.0006	0.0200	µg/m ³	V0
Ammonium Ion	0.00004	0.1970	µg/m ³	V0
Potassium Ion	0.0001	0.0150	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0520	µg/m ³	V0
Sulphate Ion	0.0001	0.7900	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105778
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		712.9	mmHg	
Particulate Matter	0.042	2.083	µg/m ³	V0
Sodium Ion	0.0006	0.0280	µg/m ³	V0
Ammonium Ion	0.00004	0.0360	µg/m ³	V0
Potassium Ion	0.0001	0.0090	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0070	µg/m ³	V0
Sulphate Ion	0.0001	0.3240	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-12-02 00:00

Set Index: 1
WBEA ID: 221105801
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		739.5	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Sodium Ion	0.0006	0.0290	µg/m ³	V0
Ammonium Ion	0.00004	0.4620	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0910	µg/m ³	V0
Sulphate Ion	0.0001	1.3490	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205824
Start Date:	2022-12-05 09:23	End Date:	2022-12-05 09:24	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Sodium Ion	0.0006	0.0050	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1970	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205817
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		725.1	mmHg	
Particulate Matter	0.042	4.833	µg/m ³	V0
Sodium Ion	0.0006	0.0830	µg/m ³	V0
Ammonium Ion	0.00004	0.3980	µg/m ³	V0
Potassium Ion	0.0001	0.0610	µg/m ³	V0
Magnesium Ion	0.00005	0.0100	µg/m ³	V0
Calcium Ion	0.0021	0.0180	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.1280	µg/m ³	V0
Sulphate Ion	0.0001	0.8490	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Athabasca Valley**
Start Date: **2022-12-07 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-12-08 00:00**

Set Index: **1**
WBEA ID: **221205827**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	8.167	µg/m ³	V0
Sodium Ion	0.0006	0.1480	µg/m ³	V0
Ammonium Ion	0.00004	0.3400	µg/m ³	V0
Potassium Ion	0.0001	0.0360	µg/m ³	V0
Magnesium Ion	0.00005	0.0200	µg/m ³	V0
Calcium Ion	0.0021	0.0800	µg/m ³	V0
Fluoride Ion	0.00001	0.0070	µg/m ³	V0
Chloride Ion	0.0014	0.0560	µg/m ³	V0
Nitrate Ion	0.0002	1.2840	µg/m ³	V0
Sulphate Ion	0.0001	0.7180	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Anzac
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205834
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		711.1	mmHg	
Particulate Matter	0.042	4.083	µg/m ³	V0
Sodium Ion	0.0006	0.0710	µg/m ³	V0
Ammonium Ion	0.00004	0.4690	µg/m ³	V0
Potassium Ion	0.0001	0.0220	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.0080	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.8360	µg/m ³	V0
Sulphate Ion	0.0001	1.1830	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205844
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		712.6	mmHg	
Particulate Matter	0.042	4.875	µg/m ³	V0
Sodium Ion	0.0006	0.1050	µg/m ³	V0
Ammonium Ion	0.00004	0.4150	µg/m ³	V0
Potassium Ion	0.0001	0.0240	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.0080	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0200	µg/m ³	V0
Nitrate Ion	0.0002	1.1800	µg/m ³	V0
Sulphate Ion	0.0001	0.7920	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205850
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		729.8	mmHg	
Particulate Matter	0.042	3.625	µg/m ³	V0
Sodium Ion	0.0006	0.1010	µg/m ³	V0
Ammonium Ion	0.00004	0.2060	µg/m ³	V0
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.0140	µg/m ³	V0
Calcium Ion	0.0021	0.0130	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.6380	µg/m ³	V0
Sulphate Ion	0.0001	0.9360	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205854
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

Filter holder came apart during sample collection and filter was dropped on the ground.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		704.2	mmHg	
Particulate Matter	0.042	5.542	µg/m ³	V0
Sodium Ion	0.0006	0.0920	µg/m ³	V0
Ammonium Ion	0.00004	0.3040	µg/m ³	V0
Potassium Ion	0.0001	0.0350	µg/m ³	V0
Magnesium Ion	0.00005	0.0130	µg/m ³	V0
Calcium Ion	0.0021	0.0240	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.8980	µg/m ³	V0
Sulphate Ion	0.0001	0.8180	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205882
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		733.6	mmHg	
Particulate Matter	0.042	5.792	µg/m ³	V0
Sodium Ion	0.0006	0.0970	µg/m ³	V0
Ammonium Ion	0.00004	0.4930	µg/m ³	V0
Potassium Ion	0.0001	0.0270	µg/m ³	V0
Magnesium Ion	0.00005	0.0120	µg/m ³	V0
Calcium Ion	0.0021	0.0200	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.0010	µg/m ³	V0
Sulphate Ion	0.0001	1.1900	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205903
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		736.8	mmHg	
Particulate Matter	0.042	9.542	µg/m ³	V0
Sodium Ion	0.0006	0.0240	µg/m ³	V0
Ammonium Ion	0.00004	1.1030	µg/m ³	V0
Potassium Ion	0.0001	0.0700	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0080	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.8920	µg/m ³	V0
Sulphate Ion	0.0001	2.5910	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221205905
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		723.1	mmHg	
Particulate Matter	0.042	9.500	µg/m ³	V0
Sodium Ion	0.0006	0.0270	µg/m ³	V0
Ammonium Ion	0.00004	0.7990	µg/m ³	V0
Potassium Ion	0.0001	0.0730	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0080	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.3890	µg/m ³	V0
Sulphate Ion	0.0001	1.4580	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-12-13 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-12-14 00:00

Set Index: 1
WBEA ID: 221205925
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		739.2	mmHg	
Particulate Matter	0.042	17.375	µg/m ³	V0
Sodium Ion	0.0006	0.0300	µg/m ³	V0
Ammonium Ion	0.00004	0.8070	µg/m ³	V0
Potassium Ion	0.0001	0.0860	µg/m ³	V0
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	0.0070	µg/m ³	V0
Fluoride Ion	0.00001	0.0240	µg/m ³	V4
Chloride Ion	0.0014	0.0290	µg/m ³	V0
Nitrate Ion	0.0002	1.5160	µg/m ³	V0
Sulphate Ion	0.0001	1.4240	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205947
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		709.7	mmHg	
Particulate Matter	0.042	8.042	µg/m ³	V0
Sodium Ion	0.0006	0.0150	µg/m ³	V0
Ammonium Ion	0.00004	0.8360	µg/m ³	V0
Potassium Ion	0.0001	0.0890	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.3690	µg/m ³	V0
Sulphate Ion	0.0001	1.5260	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205951
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		717.7	mmHg	
Particulate Matter	0.042	7.208	µg/m ³	V0
Sodium Ion	0.0006	0.0170	µg/m ³	V0
Ammonium Ion	0.00004	0.8160	µg/m ³	V0
Potassium Ion	0.0001	0.0580	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0050	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.0680	µg/m ³	V0
Sulphate Ion	0.0001	1.6820	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205957
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		715.7	mmHg	
Particulate Matter	0.042	8.000	µg/m ³	V0
Sodium Ion	0.0006	0.0240	µg/m ³	V0
Ammonium Ion	0.00004	0.6340	µg/m ³	V0
Potassium Ion	0.0001	0.0830	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0070	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.7660	µg/m ³	V0
Sulphate Ion	0.0001	1.5210	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206011
Start Date:	2022-12-15 13:50	End Date:	2022-12-15 13:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1970	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206019
Start Date:	2022-12-15 14:30	End Date:	2022-12-15 14:31	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2050	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Ion**
Location: **Fort Chipewyan**
Start Date: **2022-12-15 15:00**

Samp Use: **Exposure**
Loc ID: **FTCH**
End Date: **2022-12-16 15:00**

Set Index: **1**
WBEA ID: **221206029**
Duration: **24.0 hr**

Notes

Sample ran from 15:00 MST on December 15th to 15:00 MST on December 16th due to unavailable change out samples for December 13th NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-13.0	°C	
Pressure		742.1	mmHg	
Particulate Matter	0.042	2.042	µg/m ³	V6
Sodium Ion	0.0006	0.0190	µg/m ³	V6
Ammonium Ion	0.00004	0.0860	µg/m ³	V6
Potassium Ion	0.0001	0.0150	µg/m ³	V6
Magnesium Ion	0.00005	0.0050	µg/m ³	V6
Calcium Ion	0.0021	0.0100	µg/m ³	V6
Fluoride Ion	0.00001	0.0000	µg/m ³	V6
Chloride Ion	0.0014	0.0000	µg/m ³	V6
Nitrate Ion	0.0002	0.1560	µg/m ³	V6
Sulphate Ion	0.0001	1.0140	µg/m ³	V6
Phosphate Ion	0.0018	0.0000	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205991
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		756.8	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Sodium Ion	0.0006	0.4450	µg/m ³	V0
Ammonium Ion	0.00004	0.0010	µg/m ³	V0
Potassium Ion	0.0001	0.0150	µg/m ³	V0
Magnesium Ion	0.00005	0.0570	µg/m ³	V0
Calcium Ion	0.0021	0.0300	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.7570	µg/m ³	V0
Nitrate Ion	0.0002	0.2750	µg/m ³	V0
Sulphate Ion	0.0001	0.2950	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-12-19 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-20 00:00

Set Index: 1
WBEA ID: 221205998
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		745.6	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Sodium Ion	0.0006	0.3370	µg/m ³	V0
Ammonium Ion	0.00004	0.1510	µg/m ³	V0
Potassium Ion	0.0001	0.0130	µg/m ³	V0
Magnesium Ion	0.00005	0.0400	µg/m ³	V0
Calcium Ion	0.0021	0.0150	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.3980	µg/m ³	V0
Nitrate Ion	0.0002	0.4270	µg/m ³	V0
Sulphate Ion	0.0001	0.7050	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206005
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		733.2	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Sodium Ion	0.0006	0.9220	µg/m ³	V0
Ammonium Ion	0.00004	0.0120	µg/m ³	V0
Potassium Ion	0.0001	0.0200	µg/m ³	V0
Magnesium Ion	0.00005	0.1250	µg/m ³	V0
Calcium Ion	0.0021	0.0300	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	1.7430	µg/m ³	V0
Nitrate Ion	0.0002	0.2490	µg/m ³	V0
Sulphate Ion	0.0001	0.3060	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206015
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		727.7	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Sodium Ion	0.0006	0.8520	µg/m ³	V0
Ammonium Ion	0.00004	0.0030	µg/m ³	V0
Potassium Ion	0.0001	0.0250	µg/m ³	V0
Magnesium Ion	0.00005	0.1170	µg/m ³	V0
Calcium Ion	0.0021	0.0300	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	1.5840	µg/m ³	V0
Nitrate Ion	0.0002	0.2440	µg/m ³	V0
Sulphate Ion	0.0001	0.3160	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Conklin
Start Date: 2022-12-19 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-12-20 00:00

Set Index: 1
WBEA ID: 221206030
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		723.3	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Sodium Ion	0.0006	0.8820	µg/m ³	V0
Ammonium Ion	0.00004	0.0030	µg/m ³	V0
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.1220	µg/m ³	V0
Calcium Ion	0.0021	0.0380	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	1.6620	µg/m ³	V0
Nitrate Ion	0.0002	0.2530	µg/m ³	V0
Sulphate Ion	0.0001	0.2810	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-12-19 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-12-20 00:00

Set Index: 1
WBEA ID: 221206041
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		758.2	mmHg	
Particulate Matter	0.042	5.167	µg/m ³	V0
Sodium Ion	0.0006	0.4050	µg/m ³	V0
Ammonium Ion	0.00004	0.1150	µg/m ³	V0
Potassium Ion	0.0001	0.0740	µg/m ³	V0
Magnesium Ion	0.00005	0.0480	µg/m ³	V0
Calcium Ion	0.0021	0.0340	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.4520	µg/m ³	V0
Nitrate Ion	0.0002	0.9180	µg/m ³	V0
Sulphate Ion	0.0001	0.4930	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206048
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		753.5	mmHg	
Particulate Matter	0.042	3.750	µg/m ³	V0
Sodium Ion	0.0006	0.8170	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.1120	µg/m ³	V0
Calcium Ion	0.0021	0.0310	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	1.4150	µg/m ³	V0
Nitrate Ion	0.0002	0.2890	µg/m ³	V0
Sulphate Ion	0.0001	0.3570	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206059
Start Date:	2022-12-20 12:35	End Date:	2022-12-20 12:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1960	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206055
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		716.3	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Sodium Ion	0.0006	0.0530	µg/m ³	V0
Ammonium Ion	0.00004	0.5090	µg/m ³	V0
Potassium Ion	0.0001	0.0110	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0090	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1560	µg/m ³	V0
Sulphate Ion	0.0001	1.7350	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206065
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Heavy flurries during sample collection

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		712.8	mmHg	
Particulate Matter	0.042	1.292	µg/m ³	V0
Sodium Ion	0.0006	0.0150	µg/m ³	V0
Ammonium Ion	0.00004	0.1370	µg/m ³	V0
Potassium Ion	0.0001	0.0120	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0040	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0790	µg/m ³	V0
Sulphate Ion	0.0001	0.5430	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206074
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Light flurries during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		721.9	mmHg	
Particulate Matter	0.042	1.667	µg/m ³	V0
Sodium Ion	0.0006	0.0290	µg/m ³	V0
Ammonium Ion	0.00004	0.1860	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1200	µg/m ³	V0
Sulphate Ion	0.0001	0.6950	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-12-25 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-12-26 00:00

Set Index: 1
WBEA ID: 221206086
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		746.2	mmHg	
Particulate Matter	0.042	3.958	µg/m ³	V0
Sodium Ion	0.0006	0.0640	µg/m ³	V0
Ammonium Ion	0.00004	0.3530	µg/m ³	V0
Potassium Ion	0.0001	0.0390	µg/m ³	V0
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	0.0110	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.5960	µg/m ³	V0
Sulphate Ion	0.0001	1.0350	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Patricia McInnes
Start Date: 2022-12-25 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-26 00:00

Set Index: 1
WBEA ID: 221206102
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		731.7	mmHg	
Particulate Matter	0.042	4.792	µg/m ³	V0
Sodium Ion	0.0006	0.0620	µg/m ³	V0
Ammonium Ion	0.00004	0.6690	µg/m ³	V0
Potassium Ion	0.0001	0.0140	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0110	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1850	µg/m ³	V0
Sulphate Ion	0.0001	2.1240	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206117
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		744.5	mmHg	
Particulate Matter	0.042	3.625	µg/m ³	V0
Sodium Ion	0.0006	0.0680	µg/m ³	V0
Ammonium Ion	0.00004	0.0760	µg/m ³	V0
Potassium Ion	0.0001	0.0080	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.0240	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.4960	µg/m ³	V0
Sulphate Ion	0.0001	0.4800	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-12-25 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-12-26 00:00

Set Index: 1
WBEA ID: 221206177
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		740.6	mmHg	
Particulate Matter	0.042	0.917	µg/m ³	V0
Sodium Ion	0.0006	0.0440	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0060	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2100	µg/m ³	V0
Sulphate Ion	0.0001	0.3080	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206160
Start Date:	2022-12-28 11:00	End Date:	2022-12-28 11:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1970	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206133
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		712.2	mmHg	
Particulate Matter	0.042	5.417	µg/m ³	V0
Sodium Ion	0.0006	0.0140	µg/m ³	V0
Ammonium Ion	0.00004	0.9470	µg/m ³	V0
Potassium Ion	0.0001	0.0290	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.5920	µg/m ³	V0
Sulphate Ion	0.0001	2.3590	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Athabasca Valley
Start Date: 2022-12-31 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2023-01-01 00:00

Set Index: 1
WBEA ID: 221206140
Duration: 24.0 hr

Notes

Low sample volume likely due to failing pump. Troubleshooting has begun.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		-10.0	°C	
Pressure		729.7	mmHg	
Particulate Matter	0.042	12.532	µg/m ³	V0
Sodium Ion	0.0006	0.0350	µg/m ³	V0
Ammonium Ion	0.00004	1.6090	µg/m ³	V0
Potassium Ion	0.0001	0.0510	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0070	µg/m ³	V0
Fluoride Ion	0.00001	0.0090	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.8530	µg/m ³	V0
Sulphate Ion	0.0001	4.1680	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206146
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

Filter cassette very loose, two pieces are not sandwiched together properly.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		701.8	mmHg	
Particulate Matter	0.042	9.750	µg/m ³	V0
Sodium Ion	0.0006	0.0250	µg/m ³	V0
Ammonium Ion	0.00004	1.6260	µg/m ³	V0
Potassium Ion	0.0001	0.0410	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0090	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.3680	µg/m ³	V0
Sulphate Ion	0.0001	4.6500	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206153
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

The filter holder came apart during deployment, sample media in-tact and deployed.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.8	°C	
Pressure		699.2	mmHg	
Particulate Matter	0.042	13.333	µg/m ³	V0
Sodium Ion	0.0006	0.0090	µg/m ³	V0
Ammonium Ion	0.00004	1.5140	µg/m ³	V0
Potassium Ion	0.0001	0.0390	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0050	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	2.5740	µg/m ³	V0
Sulphate Ion	0.0001	2.4070	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206164
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

Filter holder broke apart upon collection of the sample and the filter landed on the ground.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.4	°C	
Pressure		707.5	mmHg	
Particulate Matter	0.042	10.250	µg/m ³	V0
Sodium Ion	0.0006	0.0120	µg/m ³	V0
Ammonium Ion	0.00004	1.3120	µg/m ³	V0
Potassium Ion	0.0001	0.0370	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.6460	µg/m ³	V0
Sulphate Ion	0.0001	2.5480	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206194
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		727.3	mmHg	
Particulate Matter	0.042	11.708	µg/m ³	V0
Sodium Ion	0.0006	0.0240	µg/m ³	V0
Ammonium Ion	0.00004	1.6040	µg/m ³	V0
Potassium Ion	0.0001	0.0940	µg/m ³	V0
Magnesium Ion	0.00005	0.0100	µg/m ³	V0
Calcium Ion	0.0021	0.0110	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.7870	µg/m ³	V0
Sulphate Ion	0.0001	4.2770	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM2.5 Ion
Location: Fort Chipewyan
Start Date: 2022-12-31 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2023-01-01 00:00

Set Index: 1
WBEA ID: 221206212
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		723.6	mmHg	
Particulate Matter	0.042	4.000	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.3480	µg/m ³	V0
Potassium Ion	0.0001	0.0290	µg/m ³	V0
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2980	µg/m ³	V0
Sulphate Ion	0.0001	2.1300	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220100060
Start Date:	2022-01-04 15:25	End Date:	2022-01-04 15:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.010445	µg/m ³	V0
Aluminum	0.002800	0.020763	µg/m ³	V0
Silicon	0.010200	0.041090	µg/m ³	V0
Phosphorus	0.003480	0.039820	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000311	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001024	µg/m ³	V0
Manganese	0.000028	0.000111	µg/m ³	V0
Iron	0.001585	0.007333	µg/m ³	V0
Cobalt	0.000005	0.000052	µg/m ³	V0
Nickel	0.000015	0.000548	µg/m ³	V0
Copper	0.000027	0.000324	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000172	µg/m ³	V0
Molybdenum	0.000025	0.000052	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000021	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000063	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001040	µg/m ³	V0
Tungsten	0.000005	0.000121	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000021	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100006
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-29.0	°C	
Pressure		730.0	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Lithium	0.000016	0.000083	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.637868	µg/m ³	V0
Magnesium	0.000279	0.129710	µg/m ³	V0
Aluminum	0.002800	0.022567	µg/m ³	V0
Silicon	0.010200	0.392948	µg/m ³	V0
Phosphorus	0.003480	0.040184	µg/m ³	V0
Potassium	0.000402	0.024310	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000746	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001288	µg/m ³	V0
Manganese	0.000028	0.000547	µg/m ³	V0
Iron	0.001585	0.032835	µg/m ³	V0
Cobalt	0.000005	0.000057	µg/m ³	V0
Nickel	0.000015	0.000638	µg/m ³	V0
Copper	0.000027	0.000312	µg/m ³	V0
Zinc	0.000149	0.002398	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000041	µg/m ³	V0
Strontium	0.000012	0.000763	µg/m ³	V0
Niobium	0.000006	0.000316	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000047	µg/m ³	V0
Antimony	0.000016	0.000097	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000228	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001691	µg/m ³	V0
Tungsten	0.000005	0.000218	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000430	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220100012
Start Date:	2022-01-05 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-01-06 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-29.0	°C	
Pressure		756.4	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Lithium	0.000016	0.000100	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.685742	µg/m ³	V0
Magnesium	0.000279	0.144084	µg/m ³	V0
Aluminum	0.002800	0.029036	µg/m ³	V0
Silicon	0.010200	0.582490	µg/m ³	V0
Phosphorus	0.003480	0.044544	µg/m ³	V0
Potassium	0.000402	0.028204	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001385	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000794	µg/m ³	V0
Manganese	0.000028	0.000585	µg/m ³	V0
Iron	0.001585	0.022618	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000321	µg/m ³	V0
Copper	0.000027	0.000952	µg/m ³	V0
Zinc	0.000149	0.001454	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000037	µg/m ³	V0
Strontium	0.000012	0.000871	µg/m ³	V0
Niobium	0.000006	0.000398	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	0.000060	µg/m ³	V0
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000452	µg/m ³	V0
Antimony	0.000016	0.000190	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001340	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000030	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001786	µg/m ³	V0
Tungsten	0.000005	0.000220	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.000295	µg/m ³	V0
Bismuth	0.000004	0.000022	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100016
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		740.6	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Lithium	0.000016	0.000100	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.626791	µg/m ³	V0
Magnesium	0.000279	0.129409	µg/m ³	V0
Aluminum	0.002800	0.027399	µg/m ³	V0
Silicon	0.010200	0.735552	µg/m ³	V0
Phosphorus	0.003480	0.039362	µg/m ³	V0
Potassium	0.000402	0.021709	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000678	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001671	µg/m ³	V0
Manganese	0.000028	0.000483	µg/m ³	V0
Iron	0.001585	0.015974	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.001032	µg/m ³	V0
Copper	0.000027	0.000648	µg/m ³	V0
Zinc	0.000149	0.002600	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.000753	µg/m ³	V0
Niobium	0.000006	0.000470	µg/m ³	V0
Molybdenum	0.000025	0.000115	µg/m ³	V0
Palladium	0.000050	0.000052	µg/m ³	V0
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000060	µg/m ³	V0
Antimony	0.000016	0.000103	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000206	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002537	µg/m ³	V0
Tungsten	0.000005	0.000272	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000045	µg/m ³	V0
Lead	0.000018	0.000251	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100030	
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-32.0	°C	
Pressure		751.7	mmHg	
Particulate Matter	0.042	5.833	µg/m ³	V0
Lithium	0.000016	0.000111	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.517429	µg/m ³	V0
Magnesium	0.000279	0.113177	µg/m ³	V0
Aluminum	0.002800	0.053986	µg/m ³	V0
Silicon	0.010200	0.203336	µg/m ³	V0
Phosphorus	0.003480	0.038192	µg/m ³	V0
Potassium	0.000402	0.028582	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001404	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001129	µg/m ³	V0
Manganese	0.000028	0.000716	µg/m ³	V0
Iron	0.001585	0.044273	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000266	µg/m ³	V0
Copper	0.000027	0.000582	µg/m ³	V0
Zinc	0.000149	0.001583	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000064	µg/m ³	V0
Strontium	0.000012	0.000678	µg/m ³	V0
Niobium	0.000006	0.000215	µg/m ³	V0
Molybdenum	0.000025	0.000091	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000053	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000446	µg/m ³	V0
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000038	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001049	µg/m ³	V0
Tungsten	0.000005	0.000271	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000175	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00
		Set Index:	1
		WBEA ID:	220100046
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-29.0	°C	
Pressure		723.6	mmHg	
Particulate Matter	0.042	4.417	µg/m ³	V0
Lithium	0.000016	0.000113	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.426447	µg/m ³	V0
Magnesium	0.000279	0.115430	µg/m ³	V0
Aluminum	0.002800	0.029757	µg/m ³	V0
Silicon	0.010200	0.934943	µg/m ³	V0
Phosphorus	0.003480	0.034473	µg/m ³	V0
Potassium	0.000402	0.038643	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000646	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000920	µg/m ³	V0
Manganese	0.000028	0.000268	µg/m ³	V0
Iron	0.001585	0.008725	µg/m ³	V0
Cobalt	0.000005	0.000038	µg/m ³	V0
Nickel	0.000015	0.000373	µg/m ³	V0
Copper	0.000027	0.000152	µg/m ³	V0
Zinc	0.000149	0.003512	µg/m ³	V0
Arsenic	0.000005	0.000008	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000082	µg/m ³	V0
Strontium	0.000012	0.000542	µg/m ³	V0
Niobium	0.000006	0.000608	µg/m ³	V0
Molybdenum	0.000025	0.000076	µg/m ³	V0
Palladium	0.000050	0.000079	µg/m ³	V0
Silver	0.000006	0.000026	µg/m ³	V0
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000061	µg/m ³	V0
Antimony	0.000016	0.000164	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000233	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002823	µg/m ³	V0
Tungsten	0.000005	0.000263	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000053	µg/m ³	V0
Lead	0.000018	0.000438	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100064
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		732.5	mmHg	
Particulate Matter	0.042	4.417	µg/m ³	V0
Lithium	0.000016	0.000185	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.511945	µg/m ³	V0
Magnesium	0.000279	0.109476	µg/m ³	V0
Aluminum	0.002800	0.023107	µg/m ³	V0
Silicon	0.010200	0.581638	µg/m ³	V0
Phosphorus	0.003480	0.036323	µg/m ³	V0
Potassium	0.000402	0.025981	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000667	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000941	µg/m ³	V0
Manganese	0.000028	0.000216	µg/m ³	V0
Iron	0.001585	0.008399	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000295	µg/m ³	V0
Copper	0.000027	0.000511	µg/m ³	V0
Zinc	0.000149	0.003131	µg/m ³	V0
Arsenic	0.000005	0.000283	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000049	µg/m ³	V0
Strontium	0.000012	0.000668	µg/m ³	V0
Niobium	0.000006	0.000882	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	0.000077	µg/m ³	V0
Silver	0.000006	0.000058	µg/m ³	V0
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000126	µg/m ³	V0
Antimony	0.000016	0.000166	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000178	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.007407	µg/m ³	V0
Tungsten	0.000005	0.000518	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000091	µg/m ³	V0
Lead	0.000018	0.000465	µg/m ³	V0
Bismuth	0.000004	0.000044	µg/m ³	V0
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220100080
Start Date:	2022-01-06 12:05	End Date:	2022-01-06 12:06	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.375	µg/m ³	V0
Lithium	0.000016	0.000022	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.039583	µg/m ³	V0
Magnesium	0.000279	0.015545	µg/m ³	V0
Aluminum	0.002800	0.031973	µg/m ³	V0
Silicon	0.010200	0.057842	µg/m ³	V0
Phosphorus	0.003480	0.030639	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000414	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001063	µg/m ³	V0
Manganese	0.000028	0.000197	µg/m ³	V0
Iron	0.001585	0.012338	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000260	µg/m ³	V0
Copper	0.000027	0.000181	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000007	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000105	µg/m ³	V0
Molybdenum	0.000025	0.000077	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000062	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000118	µg/m ³	V0
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000535	µg/m ³	V0
Tungsten	0.000005	0.000089	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000031	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220100084
Start Date:	2022-01-11 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-01-12 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		732.7	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.164711	µg/m ³	V0
Magnesium	0.000279	0.050072	µg/m ³	V0
Aluminum	0.002800	0.049565	µg/m ³	V0
Silicon	0.010200	0.117513	µg/m ³	V0
Phosphorus	0.003480	0.046281	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001445	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000953	µg/m ³	V0
Manganese	0.000028	0.001276	µg/m ³	V0
Iron	0.001585	0.041254	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000365	µg/m ³	V0
Copper	0.000027	0.000284	µg/m ³	V0
Zinc	0.000149	0.000527	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000049	µg/m ³	V0
Strontium	0.000012	0.000220	µg/m ³	V0
Niobium	0.000006	0.000198	µg/m ³	V0
Molybdenum	0.000025	0.000121	µg/m ³	V0
Palladium	0.000050	0.000050	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000074	µg/m ³	V0
Antimony	0.000016	0.000038	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000279	µg/m ³	V0
Lanthanum	0.000004	0.000021	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001084	µg/m ³	V0
Tungsten	0.000005	0.000143	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.000311	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100102
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

Cassette holder broke apart while collecting sample and filter landed in snow.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.1	°C	
Pressure		704.8	mmHg	
Particulate Matter	0.042	5.125	µg/m ³	V0
Lithium	0.000016	0.000069	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.126619	µg/m ³	V0
Magnesium	0.000279	0.045511	µg/m ³	V0
Aluminum	0.002800	0.037478	µg/m ³	V0
Silicon	0.010200	0.329290	µg/m ³	V0
Phosphorus	0.003480	0.043541	µg/m ³	V0
Potassium	0.000402	0.021670	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001046	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001305	µg/m ³	V0
Manganese	0.000028	0.000619	µg/m ³	V0
Iron	0.001585	0.021108	µg/m ³	V0
Cobalt	0.000005	0.000058	µg/m ³	V0
Nickel	0.000015	0.000617	µg/m ³	V0
Copper	0.000027	0.000785	µg/m ³	V0
Zinc	0.000149	0.003342	µg/m ³	V0
Arsenic	0.000005	0.000020	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000071	µg/m ³	V0
Strontium	0.000012	0.000183	µg/m ³	V0
Niobium	0.000006	0.000307	µg/m ³	V0
Molybdenum	0.000025	0.000163	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	0.000046	µg/m ³	V0
Tin	0.000008	0.000081	µg/m ³	V0
Antimony	0.000016	0.000083	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000471	µg/m ³	V0
Lanthanum	0.000004	0.000068	µg/m ³	V0
Cerium	0.000013	0.000042	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000023	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001626	µg/m ³	V0
Tungsten	0.000005	0.000207	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000428	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100110
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		720.9	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Lithium	0.000016	0.000067	µg/m ³	V0
Beryllium	0.000013	0.000016	µg/m ³	V0
Sodium	0.000777	0.159680	µg/m ³	V0
Magnesium	0.000279	0.050858	µg/m ³	V0
Aluminum	0.002800	0.037960	µg/m ³	V0
Silicon	0.010200	0.176088	µg/m ³	V0
Phosphorus	0.003480	0.044407	µg/m ³	V0
Potassium	0.000402	0.006238	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001347	µg/m ³	V0
Vanadium	0.000018	0.000095	µg/m ³	V0
Chromium	0.000045	0.001243	µg/m ³	V0
Manganese	0.000028	0.000808	µg/m ³	V0
Iron	0.001585	0.022288	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000542	µg/m ³	V0
Copper	0.000027	0.000339	µg/m ³	V0
Zinc	0.000149	0.000757	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000054	µg/m ³	V0
Strontium	0.000012	0.000216	µg/m ³	V0
Niobium	0.000006	0.000217	µg/m ³	V0
Molybdenum	0.000025	0.000167	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000222	µg/m ³	V0
Antimony	0.000016	0.000067	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000379	µg/m ³	V0
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001293	µg/m ³	V0
Tungsten	0.000005	0.000214	µg/m ³	V0
Platinum	0.000004	0.000030	µg/m ³	V0
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.000338	µg/m ³	V0
Bismuth	0.000004	0.000041	µg/m ³	V0
Thorium	0.000002	0.000024	µg/m ³	V0
Uranium	0.000003	0.000020	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100115
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.1	°C	
Pressure		713.2	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Lithium	0.000016	0.000075	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.150583	µg/m ³	V0
Magnesium	0.000279	0.048047	µg/m ³	V0
Aluminum	0.002800	0.029665	µg/m ³	V0
Silicon	0.010200	0.167277	µg/m ³	V0
Phosphorus	0.003480	0.033465	µg/m ³	V0
Potassium	0.000402	0.011561	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000879	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.002846	µg/m ³	V0
Manganese	0.000028	0.000456	µg/m ³	V0
Iron	0.001585	0.028412	µg/m ³	V0
Cobalt	0.000005	0.000066	µg/m ³	V0
Nickel	0.000015	0.000276	µg/m ³	V0
Copper	0.000027	0.000373	µg/m ³	V0
Zinc	0.000149	0.005653	µg/m ³	V0
Arsenic	0.000005	0.000025	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000052	µg/m ³	V0
Strontium	0.000012	0.000176	µg/m ³	V0
Niobium	0.000006	0.000141	µg/m ³	V0
Molybdenum	0.000025	0.000224	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000042	µg/m ³	V0
Tin	0.000008	0.000095	µg/m ³	V0
Antimony	0.000016	0.000089	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000281	µg/m ³	V0
Lanthanum	0.000004	0.000055	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000783	µg/m ³	V0
Tungsten	0.000005	0.000344	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000382	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100123
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		711.6	mmHg	
Particulate Matter	0.042	4.125	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.175788	µg/m ³	V0
Magnesium	0.000279	0.051604	µg/m ³	V0
Aluminum	0.002800	0.029297	µg/m ³	V0
Silicon	0.010200	0.182188	µg/m ³	V0
Phosphorus	0.003480	0.042321	µg/m ³	V0
Potassium	0.000402	0.008442	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000829	µg/m ³	V0
Vanadium	0.000018	0.000162	µg/m ³	V0
Chromium	0.000045	0.003344	µg/m ³	V0
Manganese	0.000028	0.000569	µg/m ³	V0
Iron	0.001585	0.040930	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000320	µg/m ³	V0
Copper	0.000027	0.000191	µg/m ³	V0
Zinc	0.000149	0.001365	µg/m ³	V0
Arsenic	0.000005	0.000005	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000043	µg/m ³	V0
Strontium	0.000012	0.000183	µg/m ³	V0
Niobium	0.000006	0.000254	µg/m ³	V0
Molybdenum	0.000025	0.000456	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000031	µg/m ³	V0
Tin	0.000008	0.000093	µg/m ³	V0
Antimony	0.000016	0.000066	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000243	µg/m ³	V0
Lanthanum	0.000004	0.000047	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001288	µg/m ³	V0
Tungsten	0.000005	0.000152	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000354	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100127
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	5.458	µg/m ³	V0
Lithium	0.000016	0.000071	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.177067	µg/m ³	V0
Magnesium	0.000279	0.055318	µg/m ³	V0
Aluminum	0.002800	0.041402	µg/m ³	V0
Silicon	0.010200	0.074626	µg/m ³	V0
Phosphorus	0.003480	0.045319	µg/m ³	V0
Potassium	0.000402	0.096810	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001164	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000928	µg/m ³	V0
Manganese	0.000028	0.001423	µg/m ³	V0
Iron	0.001585	0.024552	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000232	µg/m ³	V0
Copper	0.000027	0.000366	µg/m ³	V0
Zinc	0.000149	0.006734	µg/m ³	V0
Arsenic	0.000005	0.000039	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000225	µg/m ³	V0
Strontium	0.000012	0.000302	µg/m ³	V0
Niobium	0.000006	0.000222	µg/m ³	V0
Molybdenum	0.000025	0.000266	µg/m ³	V0
Palladium	0.000050	0.000098	µg/m ³	V0
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000100	µg/m ³	V0
Antimony	0.000016	0.000062	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001045	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001426	µg/m ³	V0
Tungsten	0.000005	0.000192	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000072	µg/m ³	V0
Lead	0.000018	0.000301	µg/m ³	V0
Bismuth	0.000004	0.000041	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220100176
Start Date:	2022-01-14 11:50	End Date:	2022-01-14 11:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.008455	µg/m ³	V0
Aluminum	0.002800	0.018022	µg/m ³	V0
Silicon	0.010200	0.046086	µg/m ³	V0
Phosphorus	0.003480	0.040584	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000595	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001002	µg/m ³	V0
Manganese	0.000028	0.000095	µg/m ³	V0
Iron	0.001585	0.009799	µg/m ³	V0
Cobalt	0.000005	0.000052	µg/m ³	V0
Nickel	0.000015	0.000300	µg/m ³	V0
Copper	0.000027	0.000286	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000150	µg/m ³	V0
Molybdenum	0.000025	0.000095	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000079	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000069	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000815	µg/m ³	V0
Tungsten	0.000005	0.000091	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000020	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100149
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		704.3	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Lithium	0.000016	0.000048	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.008032	µg/m ³	V0
Magnesium	0.000279	0.021603	µg/m ³	V0
Aluminum	0.002800	0.026293	µg/m ³	V0
Silicon	0.010200	0.018077	µg/m ³	V0
Phosphorus	0.003480	0.046532	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000666	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001087	µg/m ³	V0
Manganese	0.000028	0.000403	µg/m ³	V0
Iron	0.001585	0.013071	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000309	µg/m ³	V0
Copper	0.000027	0.000206	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000231	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000038	µg/m ³	V0
Strontium	0.000012	0.000057	µg/m ³	V0
Niobium	0.000006	0.000709	µg/m ³	V0
Molybdenum	0.000025	0.000233	µg/m ³	V0
Palladium	0.000050	0.000182	µg/m ³	V0
Silver	0.000006	0.000046	µg/m ³	V0
Cadmium	0.000011	0.000036	µg/m ³	V0
Tin	0.000008	0.000142	µg/m ³	V0
Antimony	0.000016	0.000148	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.000425	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.003430	µg/m ³	V0
Tungsten	0.000005	0.002440	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000103	µg/m ³	V0
Lead	0.000018	0.000920	µg/m ³	V0
Bismuth	0.000004	0.000072	µg/m ³	V0
Thorium	0.000002	0.000020	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100156
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		712.7	mmHg	
Particulate Matter	0.042	1.542	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027132	µg/m ³	V0
Magnesium	0.000279	0.023970	µg/m ³	V0
Aluminum	0.002800	0.030003	µg/m ³	V0
Silicon	0.010200	0.042651	µg/m ³	V0
Phosphorus	0.003480	0.044967	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000669	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001535	µg/m ³	V0
Manganese	0.000028	0.000336	µg/m ³	V0
Iron	0.001585	0.017031	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000302	µg/m ³	V0
Copper	0.000027	0.000421	µg/m ³	V0
Zinc	0.000149	0.000632	µg/m ³	V0
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000024	µg/m ³	V0
Strontium	0.000012	0.000058	µg/m ³	V0
Niobium	0.000006	0.000129	µg/m ³	V0
Molybdenum	0.000025	0.000094	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000029	µg/m ³	V0
Tin	0.000008	0.000067	µg/m ³	V0
Antimony	0.000016	0.000042	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000197	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000827	µg/m ³	V0
Tungsten	0.000005	0.000143	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.001058	µg/m ³	V0
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100163
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		732.7	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Lithium	0.000016	0.000054	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.029474	µg/m ³	V0
Magnesium	0.000279	0.036335	µg/m ³	V0
Aluminum	0.002800	0.082133	µg/m ³	V0
Silicon	0.010200	0.094580	µg/m ³	V0
Phosphorus	0.003480	0.042487	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.002356	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001080	µg/m ³	V0
Manganese	0.000028	0.000826	µg/m ³	V0
Iron	0.001585	0.035474	µg/m ³	V0
Cobalt	0.000005	0.000051	µg/m ³	V0
Nickel	0.000015	0.000342	µg/m ³	V0
Copper	0.000027	0.000267	µg/m ³	V0
Zinc	0.000149	0.001835	µg/m ³	V0
Arsenic	0.000005	0.000247	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000072	µg/m ³	V0
Strontium	0.000012	0.000247	µg/m ³	V0
Niobium	0.000006	0.000117	µg/m ³	V0
Molybdenum	0.000025	0.000125	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000043	µg/m ³	V0
Tin	0.000008	0.000177	µg/m ³	V0
Antimony	0.000016	0.000059	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.000633	µg/m ³	V0
Lanthanum	0.000004	0.000030	µg/m ³	V0
Cerium	0.000013	0.000058	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000028	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000587	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.001746	µg/m ³	V0
Bismuth	0.000004	0.000036	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100182
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		721.3	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Lithium	0.000016	0.000020	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027123	µg/m ³	V0
Magnesium	0.000279	0.022042	µg/m ³	V0
Aluminum	0.002800	0.031033	µg/m ³	V0
Silicon	0.010200	0.067452	µg/m ³	V0
Phosphorus	0.003480	0.040572	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001389	µg/m ³	V0
Vanadium	0.000018	0.000027	µg/m ³	V0
Chromium	0.000045	0.001053	µg/m ³	V0
Manganese	0.000028	0.000496	µg/m ³	V0
Iron	0.001585	0.016568	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000329	µg/m ³	V0
Copper	0.000027	0.000242	µg/m ³	V0
Zinc	0.000149	0.002202	µg/m ³	V0
Arsenic	0.000005	0.000196	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000043	µg/m ³	V0
Strontium	0.000012	0.000102	µg/m ³	V0
Niobium	0.000006	0.000152	µg/m ³	V0
Molybdenum	0.000025	0.000152	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000040	µg/m ³	V0
Tin	0.000008	0.000091	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000542	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000799	µg/m ³	V0
Tungsten	0.000005	0.000116	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.001549	µg/m ³	V0
Bismuth	0.000004	0.000032	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100190
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		711.6	mmHg	
Particulate Matter	0.042	3.375	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030905	µg/m ³	V0
Magnesium	0.000279	0.028800	µg/m ³	V0
Aluminum	0.002800	0.041874	µg/m ³	V0
Silicon	0.010200	0.058089	µg/m ³	V0
Phosphorus	0.003480	0.047296	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000773	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000713	µg/m ³	V0
Manganese	0.000028	0.000447	µg/m ³	V0
Iron	0.001585	0.011423	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000364	µg/m ³	V0
Copper	0.000027	0.000530	µg/m ³	V0
Zinc	0.000149	0.002572	µg/m ³	V0
Arsenic	0.000005	0.000638	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000051	µg/m ³	V0
Strontium	0.000012	0.000127	µg/m ³	V0
Niobium	0.000006	0.000141	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000059	µg/m ³	V0
Tin	0.000008	0.000120	µg/m ³	V0
Antimony	0.000016	0.000154	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000341	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000873	µg/m ³	V0
Tungsten	0.000005	0.000130	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.001455	µg/m ³	V0
Bismuth	0.000004	0.000035	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100198
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		736.3	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Lithium	0.000016	0.000025	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032038	µg/m ³	V0
Magnesium	0.000279	0.027376	µg/m ³	V0
Aluminum	0.002800	0.044422	µg/m ³	V0
Silicon	0.010200	0.060695	µg/m ³	V0
Phosphorus	0.003480	0.040875	µg/m ³	V0
Potassium	0.000402	0.005016	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001128	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.002231	µg/m ³	V0
Manganese	0.000028	0.000612	µg/m ³	V0
Iron	0.001585	0.030532	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000345	µg/m ³	V0
Copper	0.000027	0.000653	µg/m ³	V0
Zinc	0.000149	0.002685	µg/m ³	V0
Arsenic	0.000005	0.000188	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000062	µg/m ³	V0
Strontium	0.000012	0.000146	µg/m ³	V0
Niobium	0.000006	0.000139	µg/m ³	V0
Molybdenum	0.000025	0.000137	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000045	µg/m ³	V0
Tin	0.000008	0.000086	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000608	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000873	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.001629	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220100246
Start Date:	2022-01-20 13:26	End Date:	2022-01-20 13:27	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005401	µg/m ³	V0
Aluminum	0.002800	0.012809	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.063411	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000540	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000924	µg/m ³	V0
Manganese	0.000028	0.000171	µg/m ³	V0
Iron	0.001585	0.010673	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000149	µg/m ³	V0
Copper	0.000027	0.000177	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000006	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000264	µg/m ³	V0
Molybdenum	0.000025	0.000164	µg/m ³	V0
Palladium	0.000050	0.000155	µg/m ³	V0
Silver	0.000006	0.000039	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000054	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.001336	µg/m ³	V0
Tungsten	0.000005	0.000389	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	0.000059	µg/m ³	V0
Lead	0.000018	0.000029	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220100225
Start Date:	2022-01-23 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-01-24 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	2.708	µg/m ³	V0
Lithium	0.000016	0.000193	µg/m ³	V0
Beryllium	0.000013	0.000037	µg/m ³	V0
Sodium	0.000777	0.010692	µg/m ³	V0
Magnesium	0.000279	0.022972	µg/m ³	V0
Aluminum	0.002800	0.064153	µg/m ³	V0
Silicon	0.010200	0.078839	µg/m ³	V0
Phosphorus	0.003480	0.055552	µg/m ³	V0
Potassium	0.000402	0.004720	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.002129	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001420	µg/m ³	V0
Manganese	0.000028	0.001064	µg/m ³	V0
Iron	0.001585	0.034581	µg/m ³	V0
Cobalt	0.000005	0.000082	µg/m ³	V0
Nickel	0.000015	0.000529	µg/m ³	V0
Copper	0.000027	0.000961	µg/m ³	V0
Zinc	0.000149	0.001189	µg/m ³	V0
Arsenic	0.000005	0.000246	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000115	µg/m ³	V0
Strontium	0.000012	0.000145	µg/m ³	V0
Niobium	0.000006	0.000619	µg/m ³	V0
Molybdenum	0.000025	0.000329	µg/m ³	V0
Palladium	0.000050	0.000359	µg/m ³	V0
Silver	0.000006	0.000091	µg/m ³	V0
Cadmium	0.000011	0.000046	µg/m ³	V0
Tin	0.000008	0.000108	µg/m ³	V0
Antimony	0.000016	0.000146	µg/m ³	V0
Cesium	0.000004	0.000047	µg/m ³	V0
Barium	0.000054	0.000442	µg/m ³	V0
Lanthanum	0.000004	0.000040	µg/m ³	V0
Cerium	0.000013	0.000063	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000041	µg/m ³	V0
Samarium	0.000006	0.000026	µg/m ³	V0
Tantalum	0.000003	0.005823	µg/m ³	V0
Tungsten	0.000005	0.002458	µg/m ³	V0
Platinum	0.000004	0.000031	µg/m ³	V0
Thallium	0.000005	0.000250	µg/m ³	V0
Lead	0.000018	0.000876	µg/m ³	V0
Bismuth	0.000004	0.000111	µg/m ³	V0
Thorium	0.000002	0.000040	µg/m ³	V0
Uranium	0.000003	0.000034	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100231
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.7	°C	
Pressure		715.5	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.008833	µg/m ³	V0
Aluminum	0.002800	0.017551	µg/m ³	V0
Silicon	0.010200	0.028967	µg/m ³	V0
Phosphorus	0.003480	0.052521	µg/m ³	V0
Potassium	0.000402	0.008375	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000793	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001313	µg/m ³	V0
Manganese	0.000028	0.000435	µg/m ³	V0
Iron	0.001585	0.011918	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000568	µg/m ³	V0
Copper	0.000027	0.000346	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000064	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000165	µg/m ³	V0
Molybdenum	0.000025	0.000118	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000034	µg/m ³	V0
Tin	0.000008	0.000054	µg/m ³	V0
Antimony	0.000016	0.000048	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000202	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000753	µg/m ³	V0
Tungsten	0.000005	0.000117	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000402	µg/m ³	V0
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100237
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		723.3	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Lithium	0.000016	0.000023	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030385	µg/m ³	V0
Magnesium	0.000279	0.012991	µg/m ³	V0
Aluminum	0.002800	0.022099	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.054972	µg/m ³	V0
Potassium	0.000402	0.008835	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.003513	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001222	µg/m ³	V0
Manganese	0.000028	0.000604	µg/m ³	V0
Iron	0.001585	0.014181	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000537	µg/m ³	V0
Copper	0.000027	0.001028	µg/m ³	V0
Zinc	0.000149	0.001398	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000052	µg/m ³	V0
Strontium	0.000012	0.000043	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000257	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000068	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000232	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000358	µg/m ³	V0
Tungsten	0.000005	0.000127	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000854	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100251
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		738.9	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Lithium	0.000016	0.000031	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035628	µg/m ³	V0
Magnesium	0.000279	0.018468	µg/m ³	V0
Aluminum	0.002800	0.027501	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.047356	µg/m ³	V0
Potassium	0.000402	0.078182	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001426	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001420	µg/m ³	V0
Manganese	0.000028	0.001465	µg/m ³	V0
Iron	0.001585	0.018506	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000438	µg/m ³	V0
Copper	0.000027	0.000902	µg/m ³	V0
Zinc	0.000149	0.007148	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000240	µg/m ³	V0
Strontium	0.000012	0.000103	µg/m ³	V0
Niobium	0.000006	0.000088	µg/m ³	V0
Molybdenum	0.000025	0.000150	µg/m ³	V0
Palladium	0.000050	0.000060	µg/m ³	V0
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	0.000029	µg/m ³	V0
Tin	0.000008	0.000091	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000653	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000508	µg/m ³	V0
Tungsten	0.000005	0.000157	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000888	µg/m ³	V0
Bismuth	0.000004	0.000036	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100257
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.1	°C	
Pressure		707.2	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005593	µg/m ³	V0
Aluminum	0.002800	0.011821	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.039970	µg/m ³	V0
Potassium	0.000402	0.007272	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000598	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001123	µg/m ³	V0
Manganese	0.000028	0.000379	µg/m ³	V0
Iron	0.001585	0.011954	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000469	µg/m ³	V0
Copper	0.000027	0.000439	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000061	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000064	µg/m ³	V0
Molybdenum	0.000025	0.000071	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000035	µg/m ³	V0
Tin	0.000008	0.000049	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000126	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000342	µg/m ³	V0
Tungsten	0.000005	0.000097	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000302	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100261
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		714.0	mmHg	
Particulate Matter	0.042	2.833	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.011467	µg/m ³	V0
Aluminum	0.002800	0.017395	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.045536	µg/m ³	V0
Potassium	0.000402	0.003891	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000917	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000796	µg/m ³	V0
Manganese	0.000028	0.000628	µg/m ³	V0
Iron	0.001585	0.014124	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000229	µg/m ³	V0
Copper	0.000027	0.000219	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000058	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000075	µg/m ³	V0
Molybdenum	0.000025	0.000091	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000056	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000198	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000026	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000462	µg/m ³	V0
Tungsten	0.000005	0.000105	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000490	µg/m ³	V0
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220100323
Start Date:	2022-01-28 12:55	End Date:	2022-01-28 12:56	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000024	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.010186	µg/m ³	V0
Aluminum	0.002800	0.019741	µg/m ³	V0
Silicon	0.010200	0.030035	µg/m ³	V0
Phosphorus	0.003480	0.048030	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001159	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000813	µg/m ³	V0
Manganese	0.000028	0.000182	µg/m ³	V0
Iron	0.001585	0.015699	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000285	µg/m ³	V0
Copper	0.000027	0.000165	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000028	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000317	µg/m ³	V0
Molybdenum	0.000025	0.000092	µg/m ³	V0
Palladium	0.000050	0.000070	µg/m ³	V0
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000067	µg/m ³	V0
Antimony	0.000016	0.000063	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000085	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001102	µg/m ³	V0
Tungsten	0.000005	0.000330	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000045	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00
		Set Index:	1
		WBEA ID:	220100272
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.0	°C	
Pressure		707.6	mmHg	
Particulate Matter	0.042	4.875	µg/m ³	V0
Lithium	0.000016	0.000036	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.055705	µg/m ³	V0
Magnesium	0.000279	0.021078	µg/m ³	V0
Aluminum	0.002800	0.029083	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.048258	µg/m ³	V0
Potassium	0.000402	0.021456	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000601	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000638	µg/m ³	V0
Manganese	0.000028	0.000319	µg/m ³	V0
Iron	0.001585	0.008633	µg/m ³	V0
Cobalt	0.000005	0.000076	µg/m ³	V0
Nickel	0.000015	0.000430	µg/m ³	V0
Copper	0.000027	0.000628	µg/m ³	V0
Zinc	0.000149	0.001708	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000068	µg/m ³	V0
Strontium	0.000012	0.000057	µg/m ³	V0
Niobium	0.000006	0.000150	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	0.000066	µg/m ³	V0
Silver	0.000006	0.000024	µg/m ³	V0
Cadmium	0.000011	0.000039	µg/m ³	V0
Tin	0.000008	0.000078	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000225	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000695	µg/m ³	V0
Tungsten	0.000005	0.000202	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000428	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100281
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.6	°C	
Pressure		716.1	mmHg	
Particulate Matter	0.042	3.958	µg/m ³	V0
Lithium	0.000016	0.000031	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.043587	µg/m ³	V0
Magnesium	0.000279	0.016272	µg/m ³	V0
Aluminum	0.002800	0.014147	µg/m ³	V0
Silicon	0.010200	0.011755	µg/m ³	V0
Phosphorus	0.003480	0.053692	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000712	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001420	µg/m ³	V0
Manganese	0.000028	0.000270	µg/m ³	V0
Iron	0.001585	0.011819	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000542	µg/m ³	V0
Copper	0.000027	0.000295	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000022	µg/m ³	V0
Strontium	0.000012	0.000029	µg/m ³	V0
Niobium	0.000006	0.000208	µg/m ³	V0
Molybdenum	0.000025	0.000117	µg/m ³	V0
Palladium	0.000050	0.000098	µg/m ³	V0
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000127	µg/m ³	V0
Antimony	0.000016	0.000051	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000216	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001136	µg/m ³	V0
Tungsten	0.000005	0.000309	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	0.000181	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00
		Set Index:	1
		WBEA ID:	220100301
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		733.4	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Lithium	0.000016	0.000088	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.205288	µg/m ³	V0
Magnesium	0.000279	0.063323	µg/m ³	V0
Aluminum	0.002800	0.085793	µg/m ³	V0
Silicon	0.010200	0.107393	µg/m ³	V0
Phosphorus	0.003480	0.055484	µg/m ³	V0
Potassium	0.000402	0.008149	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.002805	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.002258	µg/m ³	V0
Manganese	0.000028	0.001747	µg/m ³	V0
Iron	0.001585	0.062523	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000432	µg/m ³	V0
Copper	0.000027	0.000623	µg/m ³	V0
Zinc	0.000149	0.000438	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000079	µg/m ³	V0
Strontium	0.000012	0.000320	µg/m ³	V0
Niobium	0.000006	0.000159	µg/m ³	V0
Molybdenum	0.000025	0.000246	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000080	µg/m ³	V0
Antimony	0.000016	0.000038	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000749	µg/m ³	V0
Lanthanum	0.000004	0.000033	µg/m ³	V0
Cerium	0.000013	0.000074	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000033	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000654	µg/m ³	V0
Tungsten	0.000005	0.000159	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000333	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100309
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.9	°C	
Pressure		726.1	mmHg	
Particulate Matter	0.042	5.208	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.118908	µg/m ³	V0
Magnesium	0.000279	0.033847	µg/m ³	V0
Aluminum	0.002800	0.022058	µg/m ³	V0
Silicon	0.010200	0.018702	µg/m ³	V0
Phosphorus	0.003480	0.051738	µg/m ³	V0
Potassium	0.000402	0.035397	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001068	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001142	µg/m ³	V0
Manganese	0.000028	0.000625	µg/m ³	V0
Iron	0.001585	0.016579	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000419	µg/m ³	V0
Copper	0.000027	0.000382	µg/m ³	V0
Zinc	0.000149	0.002253	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000120	µg/m ³	V0
Strontium	0.000012	0.000140	µg/m ³	V0
Niobium	0.000006	0.000158	µg/m ³	V0
Molybdenum	0.000025	0.000154	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000047	µg/m ³	V0
Tin	0.000008	0.000115	µg/m ³	V0
Antimony	0.000016	0.000465	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000679	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000023	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000736	µg/m ³	V0
Tungsten	0.000005	0.000146	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000473	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00
		Set Index:	1
		WBEA ID:	220100315
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.2	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.129084	µg/m ³	V0
Magnesium	0.000279	0.037898	µg/m ³	V0
Aluminum	0.002800	0.021302	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.046091	µg/m ³	V0
Potassium	0.000402	0.061066	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000923	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001987	µg/m ³	V0
Manganese	0.000028	0.000850	µg/m ³	V0
Iron	0.001585	0.026944	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000448	µg/m ³	V0
Copper	0.000027	0.000659	µg/m ³	V0
Zinc	0.000149	0.007016	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000200	µg/m ³	V0
Strontium	0.000012	0.000136	µg/m ³	V0
Niobium	0.000006	0.000088	µg/m ³	V0
Molybdenum	0.000025	0.000168	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000037	µg/m ³	V0
Tin	0.000008	0.000214	µg/m ³	V0
Antimony	0.000016	0.000197	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000942	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000391	µg/m ³	V0
Tungsten	0.000005	0.000141	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000480	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100325
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.9	°C	
Pressure		713.9	mmHg	
Particulate Matter	0.042	3.417	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.059058	µg/m ³	V0
Magnesium	0.000279	0.026923	µg/m ³	V0
Aluminum	0.002800	0.021213	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.050024	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001049	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001154	µg/m ³	V0
Manganese	0.000028	0.000276	µg/m ³	V0
Iron	0.001585	0.012366	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000266	µg/m ³	V0
Copper	0.000027	0.000090	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000018	µg/m ³	V0
Strontium	0.000012	0.000047	µg/m ³	V0
Niobium	0.000006	0.000193	µg/m ³	V0
Molybdenum	0.000025	0.000098	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000125	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000131	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000724	µg/m ³	V0
Tungsten	0.000005	0.000180	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000125	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220200407
Start Date:	2022-02-01 13:55	End Date:	2022-02-01 13:56	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Lithium	0.000016	0.000095	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002599	µg/m ³	V0
Aluminum	0.002800	0.002935	µg/m ³	V0
Silicon	0.010200	0.023499	µg/m ³	V0
Phosphorus	0.003480	0.025388	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001524	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000554	µg/m ³	V0
Manganese	0.000028	0.000062	µg/m ³	V0
Iron	0.001585	0.004319	µg/m ³	V0
Cobalt	0.000005	0.000014	µg/m ³	V0
Nickel	0.000015	0.000209	µg/m ³	V0
Copper	0.000027	0.000151	µg/m ³	V0
Zinc	0.000149	0.001287	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000016	µg/m ³	V0
Niobium	0.000006	0.000082	µg/m ³	V0
Molybdenum	0.000025	0.000302	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000466	µg/m ³	V0
Tungsten	0.000005	0.000128	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100368
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		716.7	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Lithium	0.000016	0.000081	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.110469	µg/m ³	V0
Magnesium	0.000279	0.022399	µg/m ³	V0
Aluminum	0.002800	0.005832	µg/m ³	V0
Silicon	0.010200	0.032451	µg/m ³	V0
Phosphorus	0.003480	0.024174	µg/m ³	V0
Potassium	0.000402	0.020358	µg/m ³	V0
Calcium	0.013042	0.023768	µg/m ³	V0
Titanium	0.000031	0.001242	µg/m ³	V0
Vanadium	0.000018	0.000251	µg/m ³	V0
Chromium	0.000045	0.001365	µg/m ³	V0
Manganese	0.000028	0.000480	µg/m ³	V0
Iron	0.001585	0.015110	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000314	µg/m ³	V0
Copper	0.000027	0.000290	µg/m ³	V0
Zinc	0.000149	0.004681	µg/m ³	V0
Arsenic	0.000005	0.000101	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000047	µg/m ³	V0
Strontium	0.000012	0.000181	µg/m ³	V0
Niobium	0.000006	0.000083	µg/m ³	V0
Molybdenum	0.000025	0.000154	µg/m ³	V0
Palladium	0.000050	0.000285	µg/m ³	V0
Silver	0.000006	0.000039	µg/m ³	V0
Cadmium	0.000011	0.000034	µg/m ³	V0
Tin	0.000008	0.000045	µg/m ³	V0
Antimony	0.000016	0.000083	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000146	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000415	µg/m ³	V0
Tungsten	0.000005	0.000082	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000675	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100376
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		726.1	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Lithium	0.000016	0.000115	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.089474	µg/m ³	V0
Magnesium	0.000279	0.028373	µg/m ³	V0
Aluminum	0.002800	0.070020	µg/m ³	V0
Silicon	0.010200	0.120322	µg/m ³	V0
Phosphorus	0.003480	0.025185	µg/m ³	V0
Potassium	0.000402	0.020895	µg/m ³	V0
Calcium	0.013042	0.143876	µg/m ³	V0
Titanium	0.000031	0.002568	µg/m ³	V0
Vanadium	0.000018	0.000375	µg/m ³	V0
Chromium	0.000045	0.001713	µg/m ³	V0
Manganese	0.000028	0.000618	µg/m ³	V0
Iron	0.001585	0.031157	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000384	µg/m ³	V0
Copper	0.000027	0.000810	µg/m ³	V0
Zinc	0.000149	0.003252	µg/m ³	V0
Arsenic	0.000005	0.000116	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000062	µg/m ³	V0
Strontium	0.000012	0.000286	µg/m ³	V0
Niobium	0.000006	0.000093	µg/m ³	V0
Molybdenum	0.000025	0.000211	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000063	µg/m ³	V0
Antimony	0.000016	0.000070	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000441	µg/m ³	V0
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000035	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000443	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000607	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100379
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		741.9	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Lithium	0.000016	0.000082	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.149374	µg/m ³	V0
Magnesium	0.000279	0.030563	µg/m ³	V0
Aluminum	0.002800	0.009283	µg/m ³	V0
Silicon	0.010200	0.033571	µg/m ³	V0
Phosphorus	0.003480	0.026545	µg/m ³	V0
Potassium	0.000402	0.026530	µg/m ³	V0
Calcium	0.013042	0.030805	µg/m ³	V0
Titanium	0.000031	0.001734	µg/m ³	V0
Vanadium	0.000018	0.000389	µg/m ³	V0
Chromium	0.000045	0.000507	µg/m ³	V0
Manganese	0.000028	0.000654	µg/m ³	V0
Iron	0.001585	0.016074	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000237	µg/m ³	V0
Copper	0.000027	0.000690	µg/m ³	V0
Zinc	0.000149	0.001352	µg/m ³	V0
Arsenic	0.000005	0.000164	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000065	µg/m ³	V0
Strontium	0.000012	0.000281	µg/m ³	V0
Niobium	0.000006	0.000087	µg/m ³	V0
Molybdenum	0.000025	0.000149	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000044	µg/m ³	V0
Tin	0.000008	0.000094	µg/m ³	V0
Antimony	0.000016	0.000095	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000519	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000408	µg/m ³	V0
Tungsten	0.000005	0.000101	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000978	µg/m ³	V0
Bismuth	0.000004	0.000029	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00
		Set Index:	1
		WBEA ID:	220200409
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		710.0	mmHg	
Particulate Matter	0.042	2.583	µg/m ³	V0
Lithium	0.000016	0.000102	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.076010	µg/m ³	V0
Magnesium	0.000279	0.014323	µg/m ³	V0
Aluminum	0.002800	0.002858	µg/m ³	V0
Silicon	0.010200	0.025041	µg/m ³	V0
Phosphorus	0.003480	0.026716	µg/m ³	V0
Potassium	0.000402	0.017055	µg/m ³	V0
Calcium	0.013042	0.024156	µg/m ³	V0
Titanium	0.000031	0.001036	µg/m ³	V0
Vanadium	0.000018	0.000065	µg/m ³	V0
Chromium	0.000045	0.000696	µg/m ³	V0
Manganese	0.000028	0.000260	µg/m ³	V0
Iron	0.001585	0.008633	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000223	µg/m ³	V0
Copper	0.000027	0.000488	µg/m ³	V0
Zinc	0.000149	0.000487	µg/m ³	V0
Arsenic	0.000005	0.000095	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000036	µg/m ³	V0
Strontium	0.000012	0.000136	µg/m ³	V0
Niobium	0.000006	0.000096	µg/m ³	V0
Molybdenum	0.000025	0.000099	µg/m ³	V0
Palladium	0.000050	0.000139	µg/m ³	V0
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000025	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000082	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000408	µg/m ³	V0
Tungsten	0.000005	0.000132	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000440	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00
		Set Index:	1
		WBEA ID:	220200418
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		719.0	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Lithium	0.000016	0.000106	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.066614	µg/m ³	V0
Magnesium	0.000279	0.013896	µg/m ³	V0
Aluminum	0.002800	0.003118	µg/m ³	V0
Silicon	0.010200	0.032190	µg/m ³	V0
Phosphorus	0.003480	0.026457	µg/m ³	V0
Potassium	0.000402	0.018723	µg/m ³	V0
Calcium	0.013042	0.023933	µg/m ³	V0
Titanium	0.000031	0.001124	µg/m ³	V0
Vanadium	0.000018	0.000154	µg/m ³	V0
Chromium	0.000045	0.001527	µg/m ³	V0
Manganese	0.000028	0.000305	µg/m ³	V0
Iron	0.001585	0.014689	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000408	µg/m ³	V0
Copper	0.000027	0.000433	µg/m ³	V0
Zinc	0.000149	0.003081	µg/m ³	V0
Arsenic	0.000005	0.000116	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000032	µg/m ³	V0
Strontium	0.000012	0.000132	µg/m ³	V0
Niobium	0.000006	0.000177	µg/m ³	V0
Molybdenum	0.000025	0.000149	µg/m ³	V0
Palladium	0.000050	0.000082	µg/m ³	V0
Silver	0.000006	0.000022	µg/m ³	V0
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000023	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000132	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000641	µg/m ³	V0
Tungsten	0.000005	0.000240	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000484	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200439
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		737.3	mmHg	
Particulate Matter	0.042	6.250	µg/m ³	V0
Lithium	0.000016	0.000126	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.121592	µg/m ³	V0
Magnesium	0.000279	0.026930	µg/m ³	V0
Aluminum	0.002800	0.021862	µg/m ³	V0
Silicon	0.010200	0.084403	µg/m ³	V0
Phosphorus	0.003480	0.025134	µg/m ³	V0
Potassium	0.000402	0.040091	µg/m ³	V0
Calcium	0.013042	0.035016	µg/m ³	V0
Titanium	0.000031	0.004000	µg/m ³	V0
Vanadium	0.000018	0.000573	µg/m ³	V0
Chromium	0.000045	0.001390	µg/m ³	V0
Manganese	0.000028	0.001878	µg/m ³	V0
Iron	0.001585	0.037448	µg/m ³	V0
Cobalt	0.000005	0.000055	µg/m ³	V0
Nickel	0.000015	0.000545	µg/m ³	V0
Copper	0.000027	0.000979	µg/m ³	V0
Zinc	0.000149	0.004652	µg/m ³	V0
Arsenic	0.000005	0.000151	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000102	µg/m ³	V0
Strontium	0.000012	0.000262	µg/m ³	V0
Niobium	0.000006	0.000108	µg/m ³	V0
Molybdenum	0.000025	0.000345	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000034	µg/m ³	V0
Tin	0.000008	0.000069	µg/m ³	V0
Antimony	0.000016	0.000075	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000686	µg/m ³	V0
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000494	µg/m ³	V0
Tungsten	0.000005	0.000148	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000826	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200480
Start Date:	2022-02-07 15:30	End Date:	2022-02-07 15:31	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000106	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001727	µg/m ³	V0
Aluminum	0.002800	0.003695	µg/m ³	V0
Silicon	0.010200	0.035055	µg/m ³	V0
Phosphorus	0.003480	0.026501	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.025312	µg/m ³	V0
Titanium	0.000031	0.000509	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001541	µg/m ³	V0
Manganese	0.000028	0.000217	µg/m ³	V0
Iron	0.001585	0.009347	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000802	µg/m ³	V0
Copper	0.000027	0.000135	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000010	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000070	µg/m ³	V0
Niobium	0.000006	0.000108	µg/m ³	V0
Molybdenum	0.000025	0.000066	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000021	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	0.000030	µg/m ³	V0
Barium	0.000054	0.000128	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000614	µg/m ³	V0
Tungsten	0.000005	0.000109	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200456
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.5	°C	
Pressure		710.0	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Lithium	0.000016	0.000069	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.029579	µg/m ³	V0
Magnesium	0.000279	0.006815	µg/m ³	V0
Aluminum	0.002800	0.007396	µg/m ³	V0
Silicon	0.010200	0.020352	µg/m ³	V0
Phosphorus	0.003480	0.022508	µg/m ³	V0
Potassium	0.000402	0.004373	µg/m ³	V0
Calcium	0.013042	0.019622	µg/m ³	V0
Titanium	0.000031	0.000704	µg/m ³	V0
Vanadium	0.000018	0.000022	µg/m ³	V0
Chromium	0.000045	0.000815	µg/m ³	V0
Manganese	0.000028	0.000288	µg/m ³	V0
Iron	0.001585	0.008236	µg/m ³	V0
Cobalt	0.000005	0.000056	µg/m ³	V0
Nickel	0.000015	0.000525	µg/m ³	V0
Copper	0.000027	0.000413	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000032	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000014	µg/m ³	V0
Strontium	0.000012	0.000081	µg/m ³	V0
Niobium	0.000006	0.000063	µg/m ³	V0
Molybdenum	0.000025	0.000053	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000011	µg/m ³	V0
Antimony	0.000016	0.000024	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000095	µg/m ³	V0
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000315	µg/m ³	V0
Tungsten	0.000005	0.000114	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000208	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200460
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.4	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	5.542	µg/m ³	V0
Lithium	0.000016	0.000171	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.100940	µg/m ³	V0
Magnesium	0.000279	0.038175	µg/m ³	V0
Aluminum	0.002800	0.092076	µg/m ³	V0
Silicon	0.010200	0.144073	µg/m ³	V0
Phosphorus	0.003480	0.021353	µg/m ³	V0
Potassium	0.000402	0.057249	µg/m ³	V0
Calcium	0.013042	0.290873	µg/m ³	V4
Titanium	0.000031	0.004352	µg/m ³	V0
Vanadium	0.000018	0.000488	µg/m ³	V0
Chromium	0.000045	0.000804	µg/m ³	V0
Manganese	0.000028	0.002105	µg/m ³	V0
Iron	0.001585	0.072080	µg/m ³	V0
Cobalt	0.000005	0.000071	µg/m ³	V0
Nickel	0.000015	0.000367	µg/m ³	V0
Copper	0.000027	0.000289	µg/m ³	V0
Zinc	0.000149	0.003552	µg/m ³	V0
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000196	µg/m ³	V0
Strontium	0.000012	0.000696	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000135	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000060	µg/m ³	V0
Antimony	0.000016	0.000069	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.001233	µg/m ³	V0
Lanthanum	0.000004	0.000050	µg/m ³	V0
Cerium	0.000013	0.000113	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000041	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000210	µg/m ³	V0
Tungsten	0.000005	0.000084	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000396	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00
		Set Index:	1
		WBEA ID:	220200466
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Lithium	0.000016	0.000133	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.060649	µg/m ³	V0
Magnesium	0.000279	0.013377	µg/m ³	V0
Aluminum	0.002800	0.017130	µg/m ³	V0
Silicon	0.010200	0.034849	µg/m ³	V0
Phosphorus	0.003480	0.026477	µg/m ³	V0
Potassium	0.000402	0.025208	µg/m ³	V0
Calcium	0.013042	0.037812	µg/m ³	V0
Titanium	0.000031	0.001108	µg/m ³	V0
Vanadium	0.000018	0.001592	µg/m ³	V0
Chromium	0.000045	0.001180	µg/m ³	V0
Manganese	0.000028	0.000595	µg/m ³	V0
Iron	0.001585	0.016221	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000561	µg/m ³	V0
Copper	0.000027	0.000468	µg/m ³	V0
Zinc	0.000149	0.000847	µg/m ³	V0
Arsenic	0.000005	0.000272	µg/m ³	V0
Selenium	0.000133	0.000140	µg/m ³	V0
Rubidium	0.000003	0.000080	µg/m ³	V0
Strontium	0.000012	0.000182	µg/m ³	V0
Niobium	0.000006	0.000483	µg/m ³	V0
Molybdenum	0.000025	0.000417	µg/m ³	V0
Palladium	0.000050	0.000227	µg/m ³	V0
Silver	0.000006	0.000055	µg/m ³	V0
Cadmium	0.000011	0.000035	µg/m ³	V0
Tin	0.000008	0.000101	µg/m ³	V0
Antimony	0.000016	0.000135	µg/m ³	V0
Cesium	0.000004	0.000022	µg/m ³	V0
Barium	0.000054	0.000296	µg/m ³	V0
Lanthanum	0.000004	0.000022	µg/m ³	V0
Cerium	0.000013	0.000030	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.001986	µg/m ³	V0
Tungsten	0.000005	0.002022	µg/m ³	V0
Platinum	0.000004	0.000032	µg/m ³	V0
Thallium	0.000005	0.000087	µg/m ³	V0
Lead	0.000018	0.000386	µg/m ³	V0
Bismuth	0.000004	0.000045	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000020	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200473
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.8	°C	
Pressure		703.6	mmHg	
Particulate Matter	0.042	1.458	µg/m ³	V0
Lithium	0.000016	0.000076	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.034931	µg/m ³	V0
Magnesium	0.000279	0.006710	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.016259	µg/m ³	V0
Phosphorus	0.003480	0.022080	µg/m ³	V0
Potassium	0.000402	0.007728	µg/m ³	V0
Calcium	0.013042	0.021916	µg/m ³	V0
Titanium	0.000031	0.000870	µg/m ³	V0
Vanadium	0.000018	0.000063	µg/m ³	V0
Chromium	0.000045	0.000859	µg/m ³	V0
Manganese	0.000028	0.000232	µg/m ³	V0
Iron	0.001585	0.007736	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000286	µg/m ³	V0
Copper	0.000027	0.001134	µg/m ³	V0
Zinc	0.000149	0.000586	µg/m ³	V0
Arsenic	0.000005	0.000034	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000022	µg/m ³	V0
Strontium	0.000012	0.000078	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000015	µg/m ³	V0
Antimony	0.000016	0.000024	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000069	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000301	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000297	µg/m ³	V0
Bismuth	0.000004	0.000022	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200482
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.0	°C	
Pressure		711.4	mmHg	
Particulate Matter	0.042	1.500	µg/m ³	V0
Lithium	0.000016	0.000119	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031410	µg/m ³	V0
Magnesium	0.000279	0.007318	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.023012	µg/m ³	V0
Phosphorus	0.003480	0.025620	µg/m ³	V0
Potassium	0.000402	0.010208	µg/m ³	V0
Calcium	0.013042	0.018449	µg/m ³	V0
Titanium	0.000031	0.000982	µg/m ³	V0
Vanadium	0.000018	0.000023	µg/m ³	V0
Chromium	0.000045	0.000777	µg/m ³	V0
Manganese	0.000028	0.000244	µg/m ³	V0
Iron	0.001585	0.007179	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000342	µg/m ³	V0
Copper	0.000027	0.000169	µg/m ³	V0
Zinc	0.000149	0.000283	µg/m ³	V0
Arsenic	0.000005	0.000135	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000020	µg/m ³	V0
Strontium	0.000012	0.000073	µg/m ³	V0
Niobium	0.000006	0.000417	µg/m ³	V0
Molybdenum	0.000025	0.000156	µg/m ³	V0
Palladium	0.000050	0.000123	µg/m ³	V0
Silver	0.000006	0.000039	µg/m ³	V0
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000048	µg/m ³	V0
Antimony	0.000016	0.000101	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000076	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.001995	µg/m ³	V0
Tungsten	0.000005	0.001658	µg/m ³	V0
Platinum	0.000004	0.000029	µg/m ³	V0
Thallium	0.000005	0.000066	µg/m ³	V0
Lead	0.000018	0.000209	µg/m ³	V0
Bismuth	0.000004	0.000055	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000017	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200503	
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		732.2	mmHg	
Particulate Matter	0.042	3.542	µg/m ³	V0
Lithium	0.000016	0.000156	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.072765	µg/m ³	V0
Magnesium	0.000279	0.032661	µg/m ³	V0
Aluminum	0.002800	0.067589	µg/m ³	V0
Silicon	0.010200	0.107988	µg/m ³	V0
Phosphorus	0.003480	0.033282	µg/m ³	V0
Potassium	0.000402	0.029340	µg/m ³	V0
Calcium	0.013042	0.058166	µg/m ³	V0
Titanium	0.000031	0.004015	µg/m ³	V0
Vanadium	0.000018	0.000431	µg/m ³	V0
Chromium	0.000045	0.001769	µg/m ³	V0
Manganese	0.000028	0.001140	µg/m ³	V0
Iron	0.001585	0.054459	µg/m ³	V0
Cobalt	0.000005	0.000076	µg/m ³	V0
Nickel	0.000015	0.000519	µg/m ³	V0
Copper	0.000027	0.000232	µg/m ³	V0
Zinc	0.000149	0.002455	µg/m ³	V0
Arsenic	0.000005	0.000131	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000092	µg/m ³	V0
Strontium	0.000012	0.000292	µg/m ³	V0
Niobium	0.000006	0.000193	µg/m ³	V0
Molybdenum	0.000025	0.000241	µg/m ³	V0
Palladium	0.000050	0.000132	µg/m ³	V0
Silver	0.000006	0.000028	µg/m ³	V0
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000040	µg/m ³	V0
Antimony	0.000016	0.000060	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.000554	µg/m ³	V0
Lanthanum	0.000004	0.000035	µg/m ³	V0
Cerium	0.000013	0.000071	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000033	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000445	µg/m ³	V0
Tungsten	0.000005	0.000342	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000544	µg/m ³	V0
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220200525
Start Date:	2022-02-11 15:05	End Date:	2022-02-11 15:06	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Lithium	0.000016	0.000070	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002650	µg/m ³	V0
Aluminum	0.002800	0.007148	µg/m ³	V0
Silicon	0.010200	0.015342	µg/m ³	V0
Phosphorus	0.003480	0.028905	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.015448	µg/m ³	V0
Titanium	0.000031	0.000519	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001120	µg/m ³	V0
Manganese	0.000028	0.000148	µg/m ³	V0
Iron	0.001585	0.008626	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000374	µg/m ³	V0
Copper	0.000027	0.000189	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000009	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000005	µg/m ³	V0
Strontium	0.000012	0.000031	µg/m ³	V0
Niobium	0.000006	0.000110	µg/m ³	V0
Molybdenum	0.000025	0.000079	µg/m ³	V0
Palladium	0.000050	0.000070	µg/m ³	V0
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000018	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000386	µg/m ³	V0
Tungsten	0.000005	0.000177	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000026	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200529
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:18	Duration:	24.3 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87480/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V0
Temperature		-25.0	°C	
Pressure		746.2	mmHg	
Particulate Matter	0.042	11.440	µg/m ³	V0
Lithium	0.000016	0.000135	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.117040	µg/m ³	V0
Magnesium	0.000279	0.041642	µg/m ³	V0
Aluminum	0.002800	0.033063	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.023961	µg/m ³	V0
Potassium	0.000402	0.031917	µg/m ³	V0
Calcium	0.013042	0.066084	µg/m ³	V0
Titanium	0.000031	0.002411	µg/m ³	V0
Vanadium	0.000018	0.007938	µg/m ³	V0
Chromium	0.000045	0.002572	µg/m ³	V0
Manganese	0.000028	0.001234	µg/m ³	V0
Iron	0.001585	0.040657	µg/m ³	V0
Cobalt	0.000005	0.000088	µg/m ³	V0
Nickel	0.000015	0.001510	µg/m ³	V0
Copper	0.000027	0.000507	µg/m ³	V0
Zinc	0.000149	0.004316	µg/m ³	V0
Arsenic	0.000005	0.000203	µg/m ³	V0
Selenium	0.000133	0.000223	µg/m ³	V0
Rubidium	0.000003	0.000080	µg/m ³	V0
Strontium	0.000012	0.000344	µg/m ³	V0
Niobium	0.000006	0.000048	µg/m ³	V0
Molybdenum	0.000025	0.001081	µg/m ³	V0
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	0.000025	µg/m ³	V0
Cadmium	0.000011	0.000031	µg/m ³	V0
Tin	0.000008	0.000135	µg/m ³	V0
Antimony	0.000016	0.000068	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000533	µg/m ³	V0
Lanthanum	0.000004	0.000025	µg/m ³	V0
Cerium	0.000013	0.000053	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000118	µg/m ³	V0
Tungsten	0.000005	0.000162	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000720	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200545
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		716.4	mmHg	
Particulate Matter	0.042	5.042	µg/m ³	V0
Lithium	0.000016	0.000085	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.039227	µg/m ³	V0
Magnesium	0.000279	0.012068	µg/m ³	V0
Aluminum	0.002800	0.009902	µg/m ³	V0
Silicon	0.010200	0.014203	µg/m ³	V0
Phosphorus	0.003480	0.024537	µg/m ³	V0
Potassium	0.000402	0.032151	µg/m ³	V0
Calcium	0.013042	0.028435	µg/m ³	V0
Titanium	0.000031	0.000953	µg/m ³	V0
Vanadium	0.000018	0.000066	µg/m ³	V0
Chromium	0.000045	0.001303	µg/m ³	V0
Manganese	0.000028	0.000298	µg/m ³	V0
Iron	0.001585	0.010443	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000554	µg/m ³	V0
Copper	0.000027	0.000378	µg/m ³	V0
Zinc	0.000149	0.004580	µg/m ³	V0
Arsenic	0.000005	0.000029	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000083	µg/m ³	V0
Strontium	0.000012	0.000094	µg/m ³	V0
Niobium	0.000006	0.000070	µg/m ³	V0
Molybdenum	0.000025	0.000093	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000030	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000023	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000217	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000234	µg/m ³	V0
Tungsten	0.000005	0.000082	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000181	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200551
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		755.2	mmHg	
Particulate Matter	0.042	2.083	µg/m ³	V0
Lithium	0.000016	0.000177	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.061230	µg/m ³	V0
Magnesium	0.000279	0.020643	µg/m ³	V0
Aluminum	0.002800	0.012355	µg/m ³	V0
Silicon	0.010200	0.102388	µg/m ³	V0
Phosphorus	0.003480	0.022119	µg/m ³	V0
Potassium	0.000402	0.015066	µg/m ³	V0
Calcium	0.013042	0.026474	µg/m ³	V0
Titanium	0.000031	0.000748	µg/m ³	V0
Vanadium	0.000018	0.000342	µg/m ³	V0
Chromium	0.000045	0.001646	µg/m ³	V0
Manganese	0.000028	0.000260	µg/m ³	V0
Iron	0.001585	0.012395	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000631	µg/m ³	V0
Copper	0.000027	0.001992	µg/m ³	V0
Zinc	0.000149	0.003506	µg/m ³	V0
Arsenic	0.000005	0.000464	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000049	µg/m ³	V0
Strontium	0.000012	0.000149	µg/m ³	V0
Niobium	0.000006	0.000458	µg/m ³	V0
Molybdenum	0.000025	0.000153	µg/m ³	V0
Palladium	0.000050	0.000107	µg/m ³	V0
Silver	0.000006	0.000050	µg/m ³	V0
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000081	µg/m ³	V0
Antimony	0.000016	0.000114	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000172	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.004078	µg/m ³	V0
Tungsten	0.000005	0.000531	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000088	µg/m ³	V0
Lead	0.000018	0.000541	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200557
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		722.9	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Lithium	0.000016	0.000076	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.061928	µg/m ³	V0
Magnesium	0.000279	0.018675	µg/m ³	V0
Aluminum	0.002800	0.005484	µg/m ³	V0
Silicon	0.010200	0.026630	µg/m ³	V0
Phosphorus	0.003480	0.026791	µg/m ³	V0
Potassium	0.000402	0.014620	µg/m ³	V0
Calcium	0.013042	0.027812	µg/m ³	V0
Titanium	0.000031	0.001221	µg/m ³	V0
Vanadium	0.000018	0.000794	µg/m ³	V0
Chromium	0.000045	0.001515	µg/m ³	V0
Manganese	0.000028	0.000412	µg/m ³	V0
Iron	0.001585	0.016579	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000741	µg/m ³	V0
Copper	0.000027	0.000165	µg/m ³	V0
Zinc	0.000149	0.000486	µg/m ³	V0
Arsenic	0.000005	0.000069	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000059	µg/m ³	V0
Strontium	0.000012	0.000142	µg/m ³	V0
Niobium	0.000006	0.000091	µg/m ³	V0
Molybdenum	0.000025	0.000169	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000036	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000195	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000357	µg/m ³	V0
Tungsten	0.000005	0.000109	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000390	µg/m ³	V0
Bismuth	0.000004	0.000060	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200561
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		719.0	mmHg	
Particulate Matter	0.042	6.083	µg/m ³	V0
Lithium	0.000016	0.000215	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.213240	µg/m ³	V0
Magnesium	0.000279	0.049581	µg/m ³	V0
Aluminum	0.002800	0.056999	µg/m ³	V0
Silicon	0.010200	0.214406	µg/m ³	V0
Phosphorus	0.003480	0.026415	µg/m ³	V0
Potassium	0.000402	0.024288	µg/m ³	V0
Calcium	0.013042	0.094861	µg/m ³	V0
Titanium	0.000031	0.002638	µg/m ³	V0
Vanadium	0.000018	0.001732	µg/m ³	V0
Chromium	0.000045	0.000938	µg/m ³	V0
Manganese	0.000028	0.001322	µg/m ³	V0
Iron	0.001585	0.072790	µg/m ³	V0
Cobalt	0.000005	0.000073	µg/m ³	V0
Nickel	0.000015	0.000488	µg/m ³	V0
Copper	0.000027	0.003009	µg/m ³	V0
Zinc	0.000149	0.005584	µg/m ³	V0
Arsenic	0.000005	0.000238	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000080	µg/m ³	V0
Strontium	0.000012	0.000468	µg/m ³	V0
Niobium	0.000006	0.000300	µg/m ³	V0
Molybdenum	0.000025	0.000320	µg/m ³	V0
Palladium	0.000050	0.000288	µg/m ³	V0
Silver	0.000006	0.000074	µg/m ³	V0
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000204	µg/m ³	V0
Antimony	0.000016	0.000267	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.002671	µg/m ³	V0
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	0.000079	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000030	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.001477	µg/m ³	V0
Tungsten	0.000005	0.000367	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000058	µg/m ³	V0
Lead	0.000018	0.000624	µg/m ³	V0
Bismuth	0.000004	0.000032	µg/m ³	V0
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200572
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		732.8	mmHg	
Particulate Matter	0.042	4.167	µg/m ³	V0
Lithium	0.000016	0.000168	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.062443	µg/m ³	V0
Magnesium	0.000279	0.021757	µg/m ³	V0
Aluminum	0.002800	0.013860	µg/m ³	V0
Silicon	0.010200	0.067669	µg/m ³	V0
Phosphorus	0.003480	0.027095	µg/m ³	V0
Potassium	0.000402	0.011443	µg/m ³	V0
Calcium	0.013042	0.022086	µg/m ³	V0
Titanium	0.000031	0.000808	µg/m ³	V0
Vanadium	0.000018	0.001765	µg/m ³	V0
Chromium	0.000045	0.001156	µg/m ³	V0
Manganese	0.000028	0.000361	µg/m ³	V0
Iron	0.001585	0.015284	µg/m ³	V0
Cobalt	0.000005	0.000039	µg/m ³	V0
Nickel	0.000015	0.000599	µg/m ³	V0
Copper	0.000027	0.000564	µg/m ³	V0
Zinc	0.000149	0.003345	µg/m ³	V0
Arsenic	0.000005	0.000149	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000035	µg/m ³	V0
Strontium	0.000012	0.000149	µg/m ³	V0
Niobium	0.000006	0.000198	µg/m ³	V0
Molybdenum	0.000025	0.000319	µg/m ³	V0
Palladium	0.000050	0.000134	µg/m ³	V0
Silver	0.000006	0.000024	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000090	µg/m ³	V0
Antimony	0.000016	0.000075	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000423	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000941	µg/m ³	V0
Tungsten	0.000005	0.000198	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	0.000048	µg/m ³	V0
Lead	0.000018	0.000433	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200588
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		724.7	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Lithium	0.000016	0.000139	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.060577	µg/m ³	V0
Magnesium	0.000279	0.015889	µg/m ³	V0
Aluminum	0.002800	0.021802	µg/m ³	V0
Silicon	0.010200	0.102453	µg/m ³	V0
Phosphorus	0.003480	0.027243	µg/m ³	V0
Potassium	0.000402	0.022248	µg/m ³	V0
Calcium	0.013042	0.028137	µg/m ³	V0
Titanium	0.000031	0.001083	µg/m ³	V0
Vanadium	0.000018	0.000121	µg/m ³	V0
Chromium	0.000045	0.001642	µg/m ³	V0
Manganese	0.000028	0.000487	µg/m ³	V0
Iron	0.001585	0.023404	µg/m ³	V0
Cobalt	0.000005	0.000039	µg/m ³	V0
Nickel	0.000015	0.000527	µg/m ³	V0
Copper	0.000027	0.001019	µg/m ³	V0
Zinc	0.000149	0.004475	µg/m ³	V0
Arsenic	0.000005	0.000123	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000078	µg/m ³	V0
Strontium	0.000012	0.000162	µg/m ³	V0
Niobium	0.000006	0.000128	µg/m ³	V0
Molybdenum	0.000025	0.000110	µg/m ³	V0
Palladium	0.000050	0.000072	µg/m ³	V0
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000031	µg/m ³	V0
Tin	0.000008	0.000051	µg/m ³	V0
Antimony	0.000016	0.000067	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000315	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000730	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	0.000032	µg/m ³	V0
Thallium	0.000005	0.000032	µg/m ³	V0
Lead	0.000018	0.000733	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200597
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		753.9	mmHg	
Particulate Matter	0.042	6.917	µg/m ³	V0
Lithium	0.000016	0.000184	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.102476	µg/m ³	V0
Magnesium	0.000279	0.026712	µg/m ³	V0
Aluminum	0.002800	0.046319	µg/m ³	V0
Silicon	0.010200	0.125874	µg/m ³	V0
Phosphorus	0.003480	0.028955	µg/m ³	V0
Potassium	0.000402	0.058196	µg/m ³	V0
Calcium	0.013042	0.098917	µg/m ³	V0
Titanium	0.000031	0.001941	µg/m ³	V0
Vanadium	0.000018	0.000942	µg/m ³	V0
Chromium	0.000045	0.001869	µg/m ³	V0
Manganese	0.000028	0.001945	µg/m ³	V0
Iron	0.001585	0.051727	µg/m ³	V0
Cobalt	0.000005	0.000068	µg/m ³	V0
Nickel	0.000015	0.000707	µg/m ³	V0
Copper	0.000027	0.000878	µg/m ³	V0
Zinc	0.000149	0.008617	µg/m ³	V0
Arsenic	0.000005	0.000190	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000154	µg/m ³	V0
Strontium	0.000012	0.000395	µg/m ³	V0
Niobium	0.000006	0.000169	µg/m ³	V0
Molybdenum	0.000025	0.000277	µg/m ³	V0
Palladium	0.000050	0.000086	µg/m ³	V0
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	0.000038	µg/m ³	V0
Tin	0.000008	0.000122	µg/m ³	V0
Antimony	0.000016	0.001355	µg/m ³	V4
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000898	µg/m ³	V0
Lanthanum	0.000004	0.000026	µg/m ³	V0
Cerium	0.000013	0.000060	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000021	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000864	µg/m ³	V0
Tungsten	0.000005	0.000204	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	0.000046	µg/m ³	V0
Lead	0.000018	0.001009	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200607
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Lithium	0.000016	0.000151	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.042665	µg/m ³	V0
Magnesium	0.000279	0.013611	µg/m ³	V0
Aluminum	0.002800	0.018729	µg/m ³	V0
Silicon	0.010200	0.070492	µg/m ³	V0
Phosphorus	0.003480	0.025963	µg/m ³	V0
Potassium	0.000402	0.012481	µg/m ³	V0
Calcium	0.013042	0.033364	µg/m ³	V0
Titanium	0.000031	0.001644	µg/m ³	V0
Vanadium	0.000018	0.000050	µg/m ³	V0
Chromium	0.000045	0.000784	µg/m ³	V0
Manganese	0.000028	0.000292	µg/m ³	V0
Iron	0.001585	0.013537	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000379	µg/m ³	V0
Copper	0.000027	0.000844	µg/m ³	V0
Zinc	0.000149	0.000688	µg/m ³	V0
Arsenic	0.000005	0.000112	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000036	µg/m ³	V0
Strontium	0.000012	0.000145	µg/m ³	V0
Niobium	0.000006	0.000145	µg/m ³	V0
Molybdenum	0.000025	0.000083	µg/m ³	V0
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000056	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000423	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000725	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000035	µg/m ³	V0
Lead	0.000018	0.000603	µg/m ³	V0
Bismuth	0.000004	0.000026	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200621
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-27.0	°C	
Pressure		757.0	mmHg	
Particulate Matter	0.042	5.167	µg/m ³	V0
Lithium	0.000016	0.000150	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.099944	µg/m ³	V0
Magnesium	0.000279	0.019796	µg/m ³	V0
Aluminum	0.002800	0.043268	µg/m ³	V0
Silicon	0.010200	0.064546	µg/m ³	V0
Phosphorus	0.003480	0.027982	µg/m ³	V0
Potassium	0.000402	0.031833	µg/m ³	V0
Calcium	0.013042	0.042657	µg/m ³	V0
Titanium	0.000031	0.001996	µg/m ³	V0
Vanadium	0.000018	0.000290	µg/m ³	V0
Chromium	0.000045	0.001073	µg/m ³	V0
Manganese	0.000028	0.001063	µg/m ³	V0
Iron	0.001585	0.044580	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000437	µg/m ³	V0
Copper	0.000027	0.001300	µg/m ³	V0
Zinc	0.000149	0.004236	µg/m ³	V0
Arsenic	0.000005	0.000141	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000087	µg/m ³	V0
Strontium	0.000012	0.000256	µg/m ³	V0
Niobium	0.000006	0.000088	µg/m ³	V0
Molybdenum	0.000025	0.000181	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.000202	µg/m ³	V0
Antimony	0.000016	0.000334	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.001942	µg/m ³	V0
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000043	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000509	µg/m ³	V0
Tungsten	0.000005	0.000129	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000972	µg/m ³	V0
Bismuth	0.000004	0.000051	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200628
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		730.7	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Lithium	0.000016	0.000130	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.046213	µg/m ³	V0
Magnesium	0.000279	0.011662	µg/m ³	V0
Aluminum	0.002800	0.013490	µg/m ³	V0
Silicon	0.010200	0.049323	µg/m ³	V0
Phosphorus	0.003480	0.026428	µg/m ³	V0
Potassium	0.000402	0.010135	µg/m ³	V0
Calcium	0.013042	0.030914	µg/m ³	V0
Titanium	0.000031	0.000847	µg/m ³	V0
Vanadium	0.000018	0.000046	µg/m ³	V0
Chromium	0.000045	0.001821	µg/m ³	V0
Manganese	0.000028	0.000338	µg/m ³	V0
Iron	0.001585	0.017139	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000400	µg/m ³	V0
Copper	0.000027	0.000401	µg/m ³	V0
Zinc	0.000149	0.004971	µg/m ³	V0
Arsenic	0.000005	0.000089	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000032	µg/m ³	V0
Strontium	0.000012	0.000112	µg/m ³	V0
Niobium	0.000006	0.000099	µg/m ³	V0
Molybdenum	0.000025	0.000159	µg/m ³	V0
Palladium	0.000050	0.000052	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000086	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000132	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000494	µg/m ³	V0
Tungsten	0.000005	0.000082	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000628	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220200644
Start Date:	2022-02-22 13:45	End Date:	2022-02-22 13:46	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Lithium	0.000016	0.000054	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.000786	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.032234	µg/m ³	V0
Potassium	0.000402	0.000433	µg/m ³	V0
Calcium	0.013042	0.013851	µg/m ³	V0
Titanium	0.000031	0.000378	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000407	µg/m ³	V0
Manganese	0.000028	0.000063	µg/m ³	V0
Iron	0.001585	0.004702	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000145	µg/m ³	V0
Copper	0.000027	0.000483	µg/m ³	V0
Zinc	0.000149	0.000276	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000014	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000030	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000326	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200648
Start Date:	2022-02-22 14:00	End Date:	2022-02-23 14:00	Duration:	24.0 hr

Notes

Sample ran from 14:00 to 14:00 instead of 00:00 to 00:00 due to filters not arriving in time.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		734.1	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Lithium	0.000016	0.000072	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.054329	µg/m ³	V0
Magnesium	0.000279	0.011800	µg/m ³	V0
Aluminum	0.002800	0.017220	µg/m ³	V0
Silicon	0.010200	0.035404	µg/m ³	V0
Phosphorus	0.003480	0.028392	µg/m ³	V0
Potassium	0.000402	0.030301	µg/m ³	V0
Calcium	0.013042	0.030571	µg/m ³	V0
Titanium	0.000031	0.001412	µg/m ³	V0
Vanadium	0.000018	0.000033	µg/m ³	V0
Chromium	0.000045	0.001106	µg/m ³	V0
Manganese	0.000028	0.000774	µg/m ³	V0
Iron	0.001585	0.025910	µg/m ³	V0
Cobalt	0.000005	0.000059	µg/m ³	V0
Nickel	0.000015	0.000543	µg/m ³	V0
Copper	0.000027	0.000564	µg/m ³	V0
Zinc	0.000149	0.001702	µg/m ³	V0
Arsenic	0.000005	0.000087	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000078	µg/m ³	V0
Strontium	0.000012	0.000181	µg/m ³	V0
Niobium	0.000006	0.000056	µg/m ³	V0
Molybdenum	0.000025	0.000155	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000037	µg/m ³	V0
Tin	0.000008	0.000089	µg/m ³	V0
Antimony	0.000016	0.000156	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000957	µg/m ³	V0
Lanthanum	0.000004	0.000029	µg/m ³	V0
Cerium	0.000013	0.000040	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000251	µg/m ³	V0
Tungsten	0.000005	0.000074	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000708	µg/m ³	V0
Bismuth	0.000004	0.000027	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Metal** Samp Use: **Field Procedure Blank** Set Index: **1**
Location: **Athabasca Valley** Loc ID: **ATHV** WBEA ID: **220200692**
Start Date: **2022-02-24 12:10** End Date: **2022-02-24 12:11** Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.
Field Blank
Filter dropped on ground upon deployment/collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Lithium	0.000016	0.000099	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.000611	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021693	µg/m ³	V0
Potassium	0.000402	0.011266	µg/m ³	V0
Calcium	0.013042	0.017671	µg/m ³	V0
Titanium	0.000031	0.000581	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000589	µg/m ³	V0
Manganese	0.000028	0.000063	µg/m ³	V0
Iron	0.001585	0.004404	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000209	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000012	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000017	µg/m ³	V0
Niobium	0.000006	0.000033	µg/m ³	V0
Molybdenum	0.000025	0.000033	µg/m ³	V0
Palladium	0.000050	0.000055	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000118	µg/m ³	V0
Antimony	0.000016	0.000018	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000126	µg/m ³	V0
Tungsten	0.000005	0.000070	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200649	
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		739.2	mmHg	
Particulate Matter	0.042	5.375	µg/m ³	V0
Lithium	0.000016	0.000198	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.084484	µg/m ³	V0
Magnesium	0.000279	0.038071	µg/m ³	V0
Aluminum	0.002800	0.085751	µg/m ³	V0
Silicon	0.010200	0.143956	µg/m ³	V0
Phosphorus	0.003480	0.029713	µg/m ³	V0
Potassium	0.000402	0.037991	µg/m ³	V0
Calcium	0.013042	0.046874	µg/m ³	V0
Titanium	0.000031	0.003726	µg/m ³	V0
Vanadium	0.000018	0.000427	µg/m ³	V0
Chromium	0.000045	0.004499	µg/m ³	V0
Manganese	0.000028	0.001981	µg/m ³	V0
Iron	0.001585	0.084110	µg/m ³	V0
Cobalt	0.000005	0.000099	µg/m ³	V0
Nickel	0.000015	0.000483	µg/m ³	V0
Copper	0.000027	0.000634	µg/m ³	V0
Zinc	0.000149	0.005631	µg/m ³	V0
Arsenic	0.000005	0.000396	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000159	µg/m ³	V0
Strontium	0.000012	0.000469	µg/m ³	V0
Niobium	0.000006	0.000098	µg/m ³	V0
Molybdenum	0.000025	0.000319	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	0.000971	µg/m ³	V4
Tin	0.000008	0.000161	µg/m ³	V0
Antimony	0.000016	0.000099	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.000766	µg/m ³	V0
Lanthanum	0.000004	0.000047	µg/m ³	V0
Cerium	0.000013	0.000095	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000042	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000371	µg/m ³	V0
Tungsten	0.000005	0.000162	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	0.001946	µg/m ³	V0
Bismuth	0.000004	0.000039	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200669
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		709.8	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Lithium	0.000016	0.000118	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.043529	µg/m ³	V0
Magnesium	0.000279	0.012497	µg/m ³	V0
Aluminum	0.002800	0.011958	µg/m ³	V0
Silicon	0.010200	0.025509	µg/m ³	V0
Phosphorus	0.003480	0.028126	µg/m ³	V0
Potassium	0.000402	0.019373	µg/m ³	V0
Calcium	0.013042	0.021216	µg/m ³	V0
Titanium	0.000031	0.001056	µg/m ³	V0
Vanadium	0.000018	0.000107	µg/m ³	V0
Chromium	0.000045	0.002436	µg/m ³	V0
Manganese	0.000028	0.000463	µg/m ³	V0
Iron	0.001585	0.024887	µg/m ³	V0
Cobalt	0.000005	0.000048	µg/m ³	V0
Nickel	0.000015	0.000232	µg/m ³	V0
Copper	0.000027	0.000429	µg/m ³	V0
Zinc	0.000149	0.001024	µg/m ³	V0
Arsenic	0.000005	0.000222	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000053	µg/m ³	V0
Strontium	0.000012	0.000168	µg/m ³	V0
Niobium	0.000006	0.000119	µg/m ³	V0
Molybdenum	0.000025	0.000209	µg/m ³	V0
Palladium	0.000050	0.000127	µg/m ³	V0
Silver	0.000006	0.000025	µg/m ³	V0
Cadmium	0.000011	0.000042	µg/m ³	V0
Tin	0.000008	0.000122	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.000552	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000410	µg/m ³	V0
Tungsten	0.000005	0.000154	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000033	µg/m ³	V0
Lead	0.000018	0.000983	µg/m ³	V0
Bismuth	0.000004	0.000052	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200676
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.7	°C	
Pressure		718.4	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Lithium	0.000016	0.000122	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.061954	µg/m ³	V0
Magnesium	0.000279	0.019705	µg/m ³	V0
Aluminum	0.002800	0.018023	µg/m ³	V0
Silicon	0.010200	0.037941	µg/m ³	V0
Phosphorus	0.003480	0.031343	µg/m ³	V0
Potassium	0.000402	0.019897	µg/m ³	V0
Calcium	0.013042	0.024570	µg/m ³	V0
Titanium	0.000031	0.000880	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000997	µg/m ³	V0
Manganese	0.000028	0.000434	µg/m ³	V0
Iron	0.001585	0.017940	µg/m ³	V0
Cobalt	0.000005	0.000059	µg/m ³	V0
Nickel	0.000015	0.000556	µg/m ³	V0
Copper	0.000027	0.000380	µg/m ³	V0
Zinc	0.000149	0.002246	µg/m ³	V0
Arsenic	0.000005	0.000235	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000059	µg/m ³	V0
Strontium	0.000012	0.000193	µg/m ³	V0
Niobium	0.000006	0.000164	µg/m ³	V0
Molybdenum	0.000025	0.000127	µg/m ³	V0
Palladium	0.000050	0.000187	µg/m ³	V0
Silver	0.000006	0.000037	µg/m ³	V0
Cadmium	0.000011	0.000047	µg/m ³	V0
Tin	0.000008	0.000093	µg/m ³	V0
Antimony	0.000016	0.000074	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.000403	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000582	µg/m ³	V0
Tungsten	0.000005	0.000296	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000061	µg/m ³	V0
Lead	0.000018	0.000946	µg/m ³	V0
Bismuth	0.000004	0.000034	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200686
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		729.7	mmHg	
Particulate Matter	0.042	7.875	µg/m ³	V0
Lithium	0.000016	0.000144	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.089989	µg/m ³	V0
Magnesium	0.000279	0.033133	µg/m ³	V0
Aluminum	0.002800	0.052030	µg/m ³	V0
Silicon	0.010200	0.028280	µg/m ³	V0
Phosphorus	0.003480	0.026831	µg/m ³	V0
Potassium	0.000402	0.041501	µg/m ³	V0
Calcium	0.013042	0.058912	µg/m ³	V0
Titanium	0.000031	0.003336	µg/m ³	V0
Vanadium	0.000018	0.007729	µg/m ³	V0
Chromium	0.000045	0.001135	µg/m ³	V0
Manganese	0.000028	0.001910	µg/m ³	V0
Iron	0.001585	0.038479	µg/m ³	V0
Cobalt	0.000005	0.000070	µg/m ³	V0
Nickel	0.000015	0.001112	µg/m ³	V0
Copper	0.000027	0.000664	µg/m ³	V0
Zinc	0.000149	0.004865	µg/m ³	V0
Arsenic	0.000005	0.000445	µg/m ³	V0
Selenium	0.000133	0.000143	µg/m ³	V0
Rubidium	0.000003	0.000135	µg/m ³	V0
Strontium	0.000012	0.000456	µg/m ³	V0
Niobium	0.000006	0.000039	µg/m ³	V0
Molybdenum	0.000025	0.001099	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000089	µg/m ³	V0
Tin	0.000008	0.000196	µg/m ³	V0
Antimony	0.000016	0.000948	µg/m ³	V4
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.001028	µg/m ³	V0
Lanthanum	0.000004	0.000031	µg/m ³	V0
Cerium	0.000013	0.000065	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000027	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000101	µg/m ³	V0
Tungsten	0.000005	0.000066	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.002039	µg/m ³	V0
Bismuth	0.000004	0.000062	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200698
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		741.5	mmHg	
Particulate Matter	0.042	9.792	µg/m ³	V0
Lithium	0.000016	0.000194	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.107400	µg/m ³	V0
Magnesium	0.000279	0.032803	µg/m ³	V0
Aluminum	0.002800	0.074112	µg/m ³	V0
Silicon	0.010200	0.150664	µg/m ³	V0
Phosphorus	0.003480	0.029998	µg/m ³	V0
Potassium	0.000402	0.093766	µg/m ³	V0
Calcium	0.013042	0.090920	µg/m ³	V0
Titanium	0.000031	0.004202	µg/m ³	V0
Vanadium	0.000018	0.003070	µg/m ³	V0
Chromium	0.000045	0.000674	µg/m ³	V0
Manganese	0.000028	0.002444	µg/m ³	V0
Iron	0.001585	0.066874	µg/m ³	V0
Cobalt	0.000005	0.000269	µg/m ³	V4
Nickel	0.000015	0.001557	µg/m ³	V0
Copper	0.000027	0.000918	µg/m ³	V0
Zinc	0.000149	0.007059	µg/m ³	V0
Arsenic	0.000005	0.000295	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000243	µg/m ³	V0
Strontium	0.000012	0.000553	µg/m ³	V0
Niobium	0.000006	0.000065	µg/m ³	V0
Molybdenum	0.000025	0.000483	µg/m ³	V0
Palladium	0.000050	0.000105	µg/m ³	V0
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	0.000060	µg/m ³	V0
Tin	0.000008	0.000181	µg/m ³	V0
Antimony	0.000016	0.000155	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.001684	µg/m ³	V0
Lanthanum	0.000004	0.000040	µg/m ³	V0
Cerium	0.000013	0.000090	µg/m ³	V0
Praseodymium	0.000002	0.000012	µg/m ³	V0
Neodymium	0.000005	0.000036	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000220	µg/m ³	V0
Tungsten	0.000005	0.000205	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000022	µg/m ³	V0
Lead	0.000018	0.001401	µg/m ³	V0
Bismuth	0.000004	0.000038	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00
		Set Index:	1
		WBEA ID:	220200705
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		716.6	mmHg	
Particulate Matter	0.042	3.625	µg/m ³	V0
Lithium	0.000016	0.000188	µg/m ³	V0
Beryllium	0.000013	0.000033	µg/m ³	V0
Sodium	0.000777	0.041647	µg/m ³	V0
Magnesium	0.000279	0.010327	µg/m ³	V0
Aluminum	0.002800	0.010164	µg/m ³	V0
Silicon	0.010200	0.033764	µg/m ³	V0
Phosphorus	0.003480	0.028640	µg/m ³	V0
Potassium	0.000402	0.023880	µg/m ³	V0
Calcium	0.013042	0.025144	µg/m ³	V0
Titanium	0.000031	0.001020	µg/m ³	V0
Vanadium	0.000018	0.000267	µg/m ³	V0
Chromium	0.000045	0.000627	µg/m ³	V0
Manganese	0.000028	0.000786	µg/m ³	V0
Iron	0.001585	0.013160	µg/m ³	V0
Cobalt	0.000005	0.000055	µg/m ³	V0
Nickel	0.000015	0.000386	µg/m ³	V0
Copper	0.000027	0.000506	µg/m ³	V0
Zinc	0.000149	0.001769	µg/m ³	V0
Arsenic	0.000005	0.000448	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000091	µg/m ³	V0
Strontium	0.000012	0.000162	µg/m ³	V0
Niobium	0.000006	0.000397	µg/m ³	V0
Molybdenum	0.000025	0.000292	µg/m ³	V0
Palladium	0.000050	0.000414	µg/m ³	V0
Silver	0.000006	0.000091	µg/m ³	V0
Cadmium	0.000011	0.000053	µg/m ³	V0
Tin	0.000008	0.000150	µg/m ³	V0
Antimony	0.000016	0.000135	µg/m ³	V0
Cesium	0.000004	0.000036	µg/m ³	V0
Barium	0.000054	0.000267	µg/m ³	V0
Lanthanum	0.000004	0.000027	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000028	µg/m ³	V0
Samarium	0.000006	0.000022	µg/m ³	V0
Tantalum	0.000003	0.003465	µg/m ³	V0
Tungsten	0.000005	0.001604	µg/m ³	V0
Platinum	0.000004	0.000037	µg/m ³	V0
Thallium	0.000005	0.000232	µg/m ³	V0
Lead	0.000018	0.000833	µg/m ³	V0
Bismuth	0.000004	0.000093	µg/m ³	V0
Thorium	0.000002	0.000034	µg/m ³	V0
Uranium	0.000003	0.000028	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220300811
Start Date:	2022-03-03 10:35	End Date:	2022-03-03 10:36	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000146	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.030341	µg/m ³	V0
Aluminum	0.002800	0.049888	µg/m ³	V0
Silicon	0.010200	0.031152	µg/m ³	V0
Phosphorus	0.003480	0.022030	µg/m ³	V0
Potassium	0.000402	0.002880	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000476	µg/m ³	V0
Vanadium	0.000018	0.000093	µg/m ³	V0
Chromium	0.000045	0.002464	µg/m ³	V0
Manganese	0.000028	0.000180	µg/m ³	V0
Iron	0.001585	0.019441	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000356	µg/m ³	V0
Copper	0.000027	0.000279	µg/m ³	V0
Zinc	0.000149	0.009223	µg/m ³	V0
Arsenic	0.000005	0.000099	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000029	µg/m ³	V0
Strontium	0.000012	0.000056	µg/m ³	V0
Niobium	0.000006	0.000302	µg/m ³	V0
Molybdenum	0.000025	0.000118	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000200	µg/m ³	V0
Antimony	0.000016	0.000045	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.003334	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001097	µg/m ³	V0
Tungsten	0.000005	0.000176	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000055	µg/m ³	V0
Lead	0.000018	0.000026	µg/m ³	V0
Bismuth	0.000004	0.000037	µg/m ³	V0
Thorium	0.000002	0.000020	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220300757
Start Date:	2022-03-06 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-03-07 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.8	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Lithium	0.000016	0.000230	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.028365	µg/m ³	V0
Magnesium	0.000279	0.037723	µg/m ³	V0
Aluminum	0.002800	0.096521	µg/m ³	V0
Silicon	0.010200	0.224178	µg/m ³	V0
Phosphorus	0.003480	0.016512	µg/m ³	V0
Potassium	0.000402	0.031651	µg/m ³	V0
Calcium	0.013042	0.055092	µg/m ³	V0
Titanium	0.000031	0.004846	µg/m ³	V0
Vanadium	0.000018	0.000350	µg/m ³	V0
Chromium	0.000045	0.001003	µg/m ³	V0
Manganese	0.000028	0.001134	µg/m ³	V0
Iron	0.001585	0.051722	µg/m ³	V0
Cobalt	0.000005	0.000074	µg/m ³	V0
Nickel	0.000015	0.000516	µg/m ³	V0
Copper	0.000027	0.000380	µg/m ³	V0
Zinc	0.000149	0.007242	µg/m ³	V0
Arsenic	0.000005	0.000025	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000163	µg/m ³	V0
Strontium	0.000012	0.000326	µg/m ³	V0
Niobium	0.000006	0.000047	µg/m ³	V0
Molybdenum	0.000025	0.000077	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000140	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.000789	µg/m ³	V0
Lanthanum	0.000004	0.000053	µg/m ³	V0
Cerium	0.000013	0.000114	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000050	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000116	µg/m ³	V0
Tungsten	0.000005	0.000058	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000323	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300766
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.0	°C	
Pressure		739.8	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Lithium	0.000016	0.000130	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017650	µg/m ³	V0
Magnesium	0.000279	0.035009	µg/m ³	V0
Aluminum	0.002800	0.050121	µg/m ³	V0
Silicon	0.010200	0.038658	µg/m ³	V0
Phosphorus	0.003480	0.017554	µg/m ³	V0
Potassium	0.000402	0.015292	µg/m ³	V0
Calcium	0.013042	0.024005	µg/m ³	V0
Titanium	0.000031	0.001700	µg/m ³	V0
Vanadium	0.000018	0.000096	µg/m ³	V0
Chromium	0.000045	0.000896	µg/m ³	V0
Manganese	0.000028	0.000510	µg/m ³	V0
Iron	0.001585	0.023258	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000588	µg/m ³	V0
Copper	0.000027	0.000404	µg/m ³	V0
Zinc	0.000149	0.009047	µg/m ³	V0
Arsenic	0.000005	0.000024	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000072	µg/m ³	V0
Strontium	0.000012	0.000171	µg/m ³	V0
Niobium	0.000006	0.000066	µg/m ³	V0
Molybdenum	0.000025	0.000106	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000157	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.001225	µg/m ³	V0
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000035	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000199	µg/m ³	V0
Tungsten	0.000005	0.000068	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000228	µg/m ³	V0
Bismuth	0.000004	0.000043	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300798
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.9	°C	
Pressure		713.6	mmHg	
Particulate Matter	0.042	2.625	µg/m ³	V0
Lithium	0.000016	0.000085	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015391	µg/m ³	V0
Magnesium	0.000279	0.027033	µg/m ³	V0
Aluminum	0.002800	0.043645	µg/m ³	V0
Silicon	0.010200	0.018306	µg/m ³	V0
Phosphorus	0.003480	0.037505	µg/m ³	V0
Potassium	0.000402	0.030787	µg/m ³	V0
Calcium	0.013042	0.017931	µg/m ³	V0
Titanium	0.000031	0.000938	µg/m ³	V0
Vanadium	0.000018	0.000253	µg/m ³	V0
Chromium	0.000045	0.000839	µg/m ³	V0
Manganese	0.000028	0.000368	µg/m ³	V0
Iron	0.001585	0.011607	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000240	µg/m ³	V0
Copper	0.000027	0.000539	µg/m ³	V0
Zinc	0.000149	0.006381	µg/m ³	V0
Arsenic	0.000005	0.000037	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000082	µg/m ³	V0
Strontium	0.000012	0.000122	µg/m ³	V0
Niobium	0.000006	0.000152	µg/m ³	V0
Molybdenum	0.000025	0.000214	µg/m ³	V0
Palladium	0.000050	0.000077	µg/m ³	V0
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000190	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000370	µg/m ³	V0
Lanthanum	0.000004	0.000049	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000273	µg/m ³	V0
Tungsten	0.000005	0.000191	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000022	µg/m ³	V0
Lead	0.000018	0.000285	µg/m ³	V0
Bismuth	0.000004	0.000046	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300805
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.2	°C	
Pressure		721.9	mmHg	
Particulate Matter	0.042	1.667	µg/m ³	V0
Lithium	0.000016	0.000114	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.020936	µg/m ³	V0
Magnesium	0.000279	0.037222	µg/m ³	V0
Aluminum	0.002800	0.044444	µg/m ³	V0
Silicon	0.010200	0.040060	µg/m ³	V0
Phosphorus	0.003480	0.028574	µg/m ³	V0
Potassium	0.000402	0.018011	µg/m ³	V0
Calcium	0.013042	0.023515	µg/m ³	V0
Titanium	0.000031	0.001544	µg/m ³	V0
Vanadium	0.000018	0.000172	µg/m ³	V0
Chromium	0.000045	0.001008	µg/m ³	V0
Manganese	0.000028	0.000383	µg/m ³	V0
Iron	0.001585	0.012398	µg/m ³	V0
Cobalt	0.000005	0.000039	µg/m ³	V0
Nickel	0.000015	0.000410	µg/m ³	V0
Copper	0.000027	0.000539	µg/m ³	V0
Zinc	0.000149	0.007758	µg/m ³	V0
Arsenic	0.000005	0.000038	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000069	µg/m ³	V0
Strontium	0.000012	0.000144	µg/m ³	V0
Niobium	0.000006	0.000078	µg/m ³	V0
Molybdenum	0.000025	0.000073	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000184	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000577	µg/m ³	V0
Lanthanum	0.000004	0.000043	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000230	µg/m ³	V0
Tungsten	0.000005	0.000056	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.000725	µg/m ³	V0
Bismuth	0.000004	0.000122	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00
		Set Index:	1
		WBEA ID:	220300815
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.0	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	1.792	µg/m ³	V0
Lithium	0.000016	0.000164	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016427	µg/m ³	V0
Magnesium	0.000279	0.026176	µg/m ³	V0
Aluminum	0.002800	0.041874	µg/m ³	V0
Silicon	0.010200	0.090740	µg/m ³	V0
Phosphorus	0.003480	0.017683	µg/m ³	V0
Potassium	0.000402	0.016767	µg/m ³	V0
Calcium	0.013042	0.015414	µg/m ³	V0
Titanium	0.000031	0.000774	µg/m ³	V0
Vanadium	0.000018	0.000171	µg/m ³	V0
Chromium	0.000045	0.000522	µg/m ³	V0
Manganese	0.000028	0.000266	µg/m ³	V0
Iron	0.001585	0.009518	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000219	µg/m ³	V0
Copper	0.000027	0.000734	µg/m ³	V0
Zinc	0.000149	0.007015	µg/m ³	V0
Arsenic	0.000005	0.000365	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000051	µg/m ³	V0
Strontium	0.000012	0.000105	µg/m ³	V0
Niobium	0.000006	0.000407	µg/m ³	V0
Molybdenum	0.000025	0.000095	µg/m ³	V0
Palladium	0.000050	0.000082	µg/m ³	V0
Silver	0.000006	0.000040	µg/m ³	V0
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000089	µg/m ³	V0
Antimony	0.000016	0.000116	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000209	µg/m ³	V0
Lanthanum	0.000004	0.000015	µg/m ³	V0
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002070	µg/m ³	V0
Tungsten	0.000005	0.000288	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000084	µg/m ³	V0
Lead	0.000018	0.000289	µg/m ³	V0
Bismuth	0.000004	0.000031	µg/m ³	V0
Thorium	0.000002	0.000043	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220300822
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

Power failure caused short sampling duration and low sample volume.(85980/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.9	m ³	V6
Temperature		-1.1	°C	
Pressure		742.8	mmHg	
Particulate Matter	0.042	3.891	µg/m ³	V0
Lithium	0.000016	0.000128	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.049761	µg/m ³	V0
Magnesium	0.000279	0.039103	µg/m ³	V0
Aluminum	0.002800	0.050706	µg/m ³	V0
Silicon	0.010200	0.078777	µg/m ³	V0
Phosphorus	0.003480	0.029973	µg/m ³	V0
Potassium	0.000402	0.039311	µg/m ³	V0
Calcium	0.013042	0.032300	µg/m ³	V0
Titanium	0.000031	0.002060	µg/m ³	V0
Vanadium	0.000018	0.000485	µg/m ³	V0
Chromium	0.000045	0.001443	µg/m ³	V0
Manganese	0.000028	0.000610	µg/m ³	V0
Iron	0.001585	0.029997	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000318	µg/m ³	V0
Copper	0.000027	0.000625	µg/m ³	V0
Zinc	0.000149	0.011771	µg/m ³	V0
Arsenic	0.000005	0.000050	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000106	µg/m ³	V0
Strontium	0.000012	0.000195	µg/m ³	V0
Niobium	0.000006	0.000120	µg/m ³	V0
Molybdenum	0.000025	0.000191	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000149	µg/m ³	V0
Antimony	0.000016	0.000153	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001542	µg/m ³	V0
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000037	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000435	µg/m ³	V0
Tungsten	0.000005	0.000111	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	0.000322	µg/m ³	V0
Bismuth	0.000004	0.000041	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300826
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.0	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Lithium	0.000016	0.000114	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031833	µg/m ³	V0
Magnesium	0.000279	0.033892	µg/m ³	V0
Aluminum	0.002800	0.048057	µg/m ³	V0
Silicon	0.010200	0.056118	µg/m ³	V0
Phosphorus	0.003480	0.027391	µg/m ³	V0
Potassium	0.000402	0.014425	µg/m ³	V0
Calcium	0.013042	0.019842	µg/m ³	V0
Titanium	0.000031	0.000724	µg/m ³	V0
Vanadium	0.000018	0.000226	µg/m ³	V0
Chromium	0.000045	0.001252	µg/m ³	V0
Manganese	0.000028	0.000289	µg/m ³	V0
Iron	0.001585	0.013991	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000310	µg/m ³	V0
Copper	0.000027	0.000197	µg/m ³	V0
Zinc	0.000149	0.012516	µg/m ³	V0
Arsenic	0.000005	0.000040	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000060	µg/m ³	V0
Strontium	0.000012	0.000110	µg/m ³	V0
Niobium	0.000006	0.000126	µg/m ³	V0
Molybdenum	0.000025	0.000078	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000108	µg/m ³	V0
Antimony	0.000016	0.000043	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000316	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000460	µg/m ³	V0
Tungsten	0.000005	0.000100	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000033	µg/m ³	V0
Lead	0.000018	0.000277	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220300867
Start Date:	2022-03-10 16:15	End Date:	2022-03-10 16:16	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000086	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.023218	µg/m ³	V0
Aluminum	0.002800	0.039220	µg/m ³	V0
Silicon	0.010200	0.013812	µg/m ³	V0
Phosphorus	0.003480	0.031149	µg/m ³	V0
Potassium	0.000402	0.003236	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000396	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000392	µg/m ³	V0
Manganese	0.000028	0.000146	µg/m ³	V0
Iron	0.001585	0.005314	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000164	µg/m ³	V0
Copper	0.000027	0.000252	µg/m ³	V0
Zinc	0.000149	0.007192	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000024	µg/m ³	V0
Strontium	0.000012	0.000043	µg/m ³	V0
Niobium	0.000006	0.000086	µg/m ³	V0
Molybdenum	0.000025	0.000041	µg/m ³	V0
Palladium	0.000050	0.000057	µg/m ³	V0
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000107	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000178	µg/m ³	V0
Tungsten	0.000005	0.000112	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300840
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.0	°C	
Pressure		729.6	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Lithium	0.000016	0.000195	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.084396	µg/m ³	V0
Magnesium	0.000279	0.035655	µg/m ³	V0
Aluminum	0.002800	0.047130	µg/m ³	V0
Silicon	0.010200	0.116681	µg/m ³	V0
Phosphorus	0.003480	0.031967	µg/m ³	V0
Potassium	0.000402	0.017696	µg/m ³	V0
Calcium	0.013042	0.031943	µg/m ³	V0
Titanium	0.000031	0.003037	µg/m ³	V0
Vanadium	0.000018	0.000459	µg/m ³	V0
Chromium	0.000045	0.001994	µg/m ³	V0
Manganese	0.000028	0.000741	µg/m ³	V0
Iron	0.001585	0.042398	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000361	µg/m ³	V0
Copper	0.000027	0.001452	µg/m ³	V0
Zinc	0.000149	0.007408	µg/m ³	V0
Arsenic	0.000005	0.000084	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000060	µg/m ³	V0
Strontium	0.000012	0.000218	µg/m ³	V0
Niobium	0.000006	0.000217	µg/m ³	V0
Molybdenum	0.000025	0.000213	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000118	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000368	µg/m ³	V0
Lanthanum	0.000004	0.000031	µg/m ³	V0
Cerium	0.000013	0.000038	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000016	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000748	µg/m ³	V0
Tungsten	0.000005	0.000146	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000046	µg/m ³	V0
Lead	0.000018	0.000259	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300849
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		727.8	mmHg	
Particulate Matter	0.042	0.208	µg/m ³	V0
Lithium	0.000016	0.000092	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.022149	µg/m ³	V0
Aluminum	0.002800	0.036866	µg/m ³	V0
Silicon	0.010200	0.012825	µg/m ³	V0
Phosphorus	0.003480	0.034277	µg/m ³	V0
Potassium	0.000402	0.006138	µg/m ³	V0
Calcium	0.013042	0.017486	µg/m ³	V0
Titanium	0.000031	0.001040	µg/m ³	V0
Vanadium	0.000018	0.000103	µg/m ³	V0
Chromium	0.000045	0.002834	µg/m ³	V0
Manganese	0.000028	0.000315	µg/m ³	V0
Iron	0.001585	0.024400	µg/m ³	V0
Cobalt	0.000005	0.000050	µg/m ³	V0
Nickel	0.000015	0.000852	µg/m ³	V0
Copper	0.000027	0.000389	µg/m ³	V0
Zinc	0.000149	0.006403	µg/m ³	V0
Arsenic	0.000005	0.000113	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000026	µg/m ³	V0
Strontium	0.000012	0.000043	µg/m ³	V0
Niobium	0.000006	0.000412	µg/m ³	V0
Molybdenum	0.000025	0.000247	µg/m ³	V0
Palladium	0.000050	0.000140	µg/m ³	V0
Silver	0.000006	0.000047	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000308	µg/m ³	V0
Antimony	0.000016	0.000099	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001143	µg/m ³	V0
Tungsten	0.000005	0.001223	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000080	µg/m ³	V0
Lead	0.000018	0.000022	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300873
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.5	°C	
Pressure		701.2	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Lithium	0.000016	0.000096	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.039994	µg/m ³	V0
Magnesium	0.000279	0.028333	µg/m ³	V0
Aluminum	0.002800	0.046499	µg/m ³	V0
Silicon	0.010200	0.039444	µg/m ³	V0
Phosphorus	0.003480	0.038537	µg/m ³	V0
Potassium	0.000402	0.021042	µg/m ³	V0
Calcium	0.013042	0.020340	µg/m ³	V0
Titanium	0.000031	0.001175	µg/m ³	V0
Vanadium	0.000018	0.000354	µg/m ³	V0
Chromium	0.000045	0.001096	µg/m ³	V0
Manganese	0.000028	0.000326	µg/m ³	V0
Iron	0.001585	0.016288	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000224	µg/m ³	V0
Copper	0.000027	0.000392	µg/m ³	V0
Zinc	0.000149	0.007831	µg/m ³	V0
Arsenic	0.000005	0.000034	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000059	µg/m ³	V0
Strontium	0.000012	0.000119	µg/m ³	V0
Niobium	0.000006	0.000081	µg/m ³	V0
Molybdenum	0.000025	0.000127	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000161	µg/m ³	V0
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000456	µg/m ³	V0
Lanthanum	0.000004	0.000058	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000265	µg/m ³	V0
Tungsten	0.000005	0.000083	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000251	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300878
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.5	°C	
Pressure		709.1	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Lithium	0.000016	0.000142	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.039793	µg/m ³	V0
Magnesium	0.000279	0.039166	µg/m ³	V0
Aluminum	0.002800	0.057236	µg/m ³	V0
Silicon	0.010200	0.135263	µg/m ³	V0
Phosphorus	0.003480	0.033751	µg/m ³	V0
Potassium	0.000402	0.015089	µg/m ³	V0
Calcium	0.013042	0.030222	µg/m ³	V0
Titanium	0.000031	0.003029	µg/m ³	V0
Vanadium	0.000018	0.000587	µg/m ³	V0
Chromium	0.000045	0.000610	µg/m ³	V0
Manganese	0.000028	0.000453	µg/m ³	V0
Iron	0.001585	0.019870	µg/m ³	V0
Cobalt	0.000005	0.000039	µg/m ³	V0
Nickel	0.000015	0.000307	µg/m ³	V0
Copper	0.000027	0.002093	µg/m ³	V0
Zinc	0.000149	0.002982	µg/m ³	V0
Arsenic	0.000005	0.000053	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000072	µg/m ³	V0
Strontium	0.000012	0.000167	µg/m ³	V0
Niobium	0.000006	0.000162	µg/m ³	V0
Molybdenum	0.000025	0.000124	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000106	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000493	µg/m ³	V0
Lanthanum	0.000004	0.000062	µg/m ³	V0
Cerium	0.000013	0.000037	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000548	µg/m ³	V0
Tungsten	0.000005	0.000134	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000037	µg/m ³	V0
Lead	0.000018	0.000187	µg/m ³	V0
Bismuth	0.000004	0.000421	µg/m ³	V4
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300887
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.3	°C	
Pressure		707.5	mmHg	
Particulate Matter	0.042	2.833	µg/m ³	V0
Lithium	0.000016	0.000107	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.051750	µg/m ³	V0
Magnesium	0.000279	0.035761	µg/m ³	V0
Aluminum	0.002800	0.054058	µg/m ³	V0
Silicon	0.010200	0.045581	µg/m ³	V0
Phosphorus	0.003480	0.016383	µg/m ³	V0
Potassium	0.000402	0.014882	µg/m ³	V0
Calcium	0.013042	0.021958	µg/m ³	V0
Titanium	0.000031	0.001053	µg/m ³	V0
Vanadium	0.000018	0.000562	µg/m ³	V0
Chromium	0.000045	0.000806	µg/m ³	V0
Manganese	0.000028	0.000401	µg/m ³	V0
Iron	0.001585	0.021845	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000433	µg/m ³	V0
Copper	0.000027	0.000587	µg/m ³	V0
Zinc	0.000149	0.007845	µg/m ³	V0
Arsenic	0.000005	0.000035	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000047	µg/m ³	V0
Strontium	0.000012	0.000155	µg/m ³	V0
Niobium	0.000006	0.000074	µg/m ³	V0
Molybdenum	0.000025	0.000127	µg/m ³	V0
Palladium	0.000050	0.000300	µg/m ³	V0
Silver	0.000006	0.000039	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000213	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000343	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000170	µg/m ³	V0
Tungsten	0.000005	0.000085	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000247	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220300893
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.6	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	4.875	µg/m ³	V0
Lithium	0.000016	0.000108	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.103524	µg/m ³	V0
Magnesium	0.000279	0.054018	µg/m ³	V0
Aluminum	0.002800	0.053380	µg/m ³	V0
Silicon	0.010200	0.046894	µg/m ³	V0
Phosphorus	0.003480	0.031131	µg/m ³	V0
Potassium	0.000402	0.037577	µg/m ³	V0
Calcium	0.013042	0.032588	µg/m ³	V0
Titanium	0.000031	0.001464	µg/m ³	V0
Vanadium	0.000018	0.001158	µg/m ³	V0
Chromium	0.000045	0.000539	µg/m ³	V0
Manganese	0.000028	0.000567	µg/m ³	V0
Iron	0.001585	0.019648	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000327	µg/m ³	V0
Copper	0.000027	0.001633	µg/m ³	V0
Zinc	0.000149	0.016767	µg/m ³	V0
Arsenic	0.000005	0.000056	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000107	µg/m ³	V0
Strontium	0.000012	0.000229	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000180	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000187	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000563	µg/m ³	V0
Lanthanum	0.000004	0.000040	µg/m ³	V0
Cerium	0.000013	0.000036	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000219	µg/m ³	V0
Tungsten	0.000005	0.000091	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000499	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00
		Set Index:	1
		WBEA ID:	220300897
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		720.4	mmHg	
Particulate Matter	0.042	3.333	µg/m ³	V0
Lithium	0.000016	0.000111	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.065707	µg/m ³	V0
Magnesium	0.000279	0.030848	µg/m ³	V0
Aluminum	0.002800	0.039065	µg/m ³	V0
Silicon	0.010200	0.031902	µg/m ³	V0
Phosphorus	0.003480	0.012579	µg/m ³	V0
Potassium	0.000402	0.015929	µg/m ³	V0
Calcium	0.013042	0.020392	µg/m ³	V0
Titanium	0.000031	0.001124	µg/m ³	V0
Vanadium	0.000018	0.000894	µg/m ³	V0
Chromium	0.000045	0.000663	µg/m ³	V0
Manganese	0.000028	0.000469	µg/m ³	V0
Iron	0.001585	0.015757	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000333	µg/m ³	V0
Copper	0.000027	0.000296	µg/m ³	V0
Zinc	0.000149	0.004008	µg/m ³	V0
Arsenic	0.000005	0.000045	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000056	µg/m ³	V0
Strontium	0.000012	0.000164	µg/m ³	V0
Niobium	0.000006	0.000070	µg/m ³	V0
Molybdenum	0.000025	0.000185	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000125	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000302	µg/m ³	V0
Lanthanum	0.000004	0.000029	µg/m ³	V0
Cerium	0.000013	0.000026	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000160	µg/m ³	V0
Tungsten	0.000005	0.000087	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000296	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220300905
Start Date:	2022-03-14 10:15	End Date:	2022-03-14 10:16	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Lithium	0.000016	0.000085	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.020708	µg/m ³	V0
Aluminum	0.002800	0.035668	µg/m ³	V0
Silicon	0.010200	0.017920	µg/m ³	V0
Phosphorus	0.003480	0.030016	µg/m ³	V0
Potassium	0.000402	0.004850	µg/m ³	V0
Calcium	0.013042	0.020907	µg/m ³	V0
Titanium	0.000031	0.000739	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000472	µg/m ³	V0
Manganese	0.000028	0.000069	µg/m ³	V0
Iron	0.001585	0.003455	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000230	µg/m ³	V0
Copper	0.000027	0.000410	µg/m ³	V0
Zinc	0.000149	0.006742	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000019	µg/m ³	V0
Strontium	0.000012	0.000057	µg/m ³	V0
Niobium	0.000006	0.000147	µg/m ³	V0
Molybdenum	0.000025	0.000057	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000087	µg/m ³	V0
Antimony	0.000016	0.000025	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000518	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000383	µg/m ³	V0
Tungsten	0.000005	0.000163	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000036	µg/m ³	V0
Bismuth	0.000004	0.000028	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Janvier	Samp Use: Exposure	WBEA ID: 220300909
Start Date:	2022-03-18 00:00	Loc ID: JANV	Duration: 24.0 hr
		End Date: 2022-03-19 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.5	°C	
Pressure		712.0	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Lithium	0.000016	0.000097	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.021849	µg/m ³	V0
Magnesium	0.000279	0.031072	µg/m ³	V0
Aluminum	0.002800	0.050013	µg/m ³	V0
Silicon	0.010200	0.042459	µg/m ³	V0
Phosphorus	0.003480	0.032128	µg/m ³	V0
Potassium	0.000402	0.010500	µg/m ³	V0
Calcium	0.013042	0.023569	µg/m ³	V0
Titanium	0.000031	0.001168	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000526	µg/m ³	V0
Manganese	0.000028	0.000212	µg/m ³	V0
Iron	0.001585	0.011123	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000608	µg/m ³	V0
Copper	0.000027	0.000300	µg/m ³	V0
Zinc	0.000149	0.005865	µg/m ³	V0
Arsenic	0.000005	0.000361	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000058	µg/m ³	V0
Strontium	0.000012	0.000116	µg/m ³	V0
Niobium	0.000006	0.000079	µg/m ³	V0
Molybdenum	0.000025	0.000052	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000029	µg/m ³	V0
Tin	0.000008	0.000260	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000795	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000300	µg/m ³	V0
Tungsten	0.000005	0.000094	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.002231	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300915
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.8	°C	
Pressure		727.1	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Lithium	0.000016	0.000082	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016739	µg/m ³	V0
Magnesium	0.000279	0.024888	µg/m ³	V0
Aluminum	0.002800	0.038137	µg/m ³	V0
Silicon	0.010200	0.022347	µg/m ³	V0
Phosphorus	0.003480	0.023562	µg/m ³	V0
Potassium	0.000402	0.011843	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000575	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001299	µg/m ³	V0
Manganese	0.000028	0.000208	µg/m ³	V0
Iron	0.001585	0.011447	µg/m ³	V0
Cobalt	0.000005	0.001893	µg/m ³	V4
Nickel	0.000015	0.007927	µg/m ³	V4
Copper	0.000027	0.000456	µg/m ³	V0
Zinc	0.000149	0.006953	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000040	µg/m ³	V0
Strontium	0.000012	0.000081	µg/m ³	V0
Niobium	0.000006	0.000042	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000088	µg/m ³	V0
Tin	0.000008	0.000104	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000131	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000126	µg/m ³	V0
Tungsten	0.000005	0.000359	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000102	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00
		Set Index:	1
		WBEA ID:	220300920
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		704.6	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Lithium	0.000016	0.000107	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.020403	µg/m ³	V0
Magnesium	0.000279	0.025598	µg/m ³	V0
Aluminum	0.002800	0.042201	µg/m ³	V0
Silicon	0.010200	0.036783	µg/m ³	V0
Phosphorus	0.003480	0.023346	µg/m ³	V0
Potassium	0.000402	0.014400	µg/m ³	V0
Calcium	0.013042	0.026946	µg/m ³	V0
Titanium	0.000031	0.001215	µg/m ³	V0
Vanadium	0.000018	0.000113	µg/m ³	V0
Chromium	0.000045	0.002861	µg/m ³	V0
Manganese	0.000028	0.000346	µg/m ³	V0
Iron	0.001585	0.032420	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000282	µg/m ³	V0
Copper	0.000027	0.000229	µg/m ³	V0
Zinc	0.000149	0.006726	µg/m ³	V0
Arsenic	0.000005	0.000090	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000050	µg/m ³	V0
Strontium	0.000012	0.000130	µg/m ³	V0
Niobium	0.000006	0.000345	µg/m ³	V0
Molybdenum	0.000025	0.000204	µg/m ³	V0
Palladium	0.000050	0.000080	µg/m ³	V0
Silver	0.000006	0.000037	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000157	µg/m ³	V0
Antimony	0.000016	0.000092	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.000963	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001413	µg/m ³	V0
Tungsten	0.000005	0.001048	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000061	µg/m ³	V0
Lead	0.000018	0.000084	µg/m ³	V0
Bismuth	0.000004	0.000025	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300937	
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.7	°C	
Pressure		730.2	mmHg	
Particulate Matter	0.042	3.667	µg/m ³	V0
Lithium	0.000016	0.000098	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007696	µg/m ³	V0
Magnesium	0.000279	0.025786	µg/m ³	V0
Aluminum	0.002800	0.050521	µg/m ³	V0
Silicon	0.010200	0.029602	µg/m ³	V0
Phosphorus	0.003480	0.030919	µg/m ³	V0
Potassium	0.000402	0.019063	µg/m ³	V0
Calcium	0.013042	0.017367	µg/m ³	V0
Titanium	0.000031	0.001352	µg/m ³	V0
Vanadium	0.000018	0.000026	µg/m ³	V0
Chromium	0.000045	0.000983	µg/m ³	V0
Manganese	0.000028	0.001153	µg/m ³	V0
Iron	0.001585	0.023396	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000445	µg/m ³	V0
Copper	0.000027	0.000574	µg/m ³	V0
Zinc	0.000149	0.010204	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000062	µg/m ³	V0
Strontium	0.000012	0.000093	µg/m ³	V0
Niobium	0.000006	0.000050	µg/m ³	V0
Molybdenum	0.000025	0.000090	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000098	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000341	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000089	µg/m ³	V0
Tungsten	0.000005	0.000080	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000096	µg/m ³	V0
Bismuth	0.000004	0.000037	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300971
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.3	°C	
Pressure		722.2	mmHg	
Particulate Matter	0.042	1.958	µg/m ³	V0
Lithium	0.000016	0.000087	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027013	µg/m ³	V0
Magnesium	0.000279	0.018225	µg/m ³	V0
Aluminum	0.002800	0.034716	µg/m ³	V0
Silicon	0.010200	0.019412	µg/m ³	V0
Phosphorus	0.003480	0.051967	µg/m ³	V0
Potassium	0.000402	0.019844	µg/m ³	V0
Calcium	0.013042	0.022970	µg/m ³	V0
Titanium	0.000031	0.001636	µg/m ³	V0
Vanadium	0.000018	0.000286	µg/m ³	V0
Chromium	0.000045	0.005010	µg/m ³	V0
Manganese	0.000028	0.000454	µg/m ³	V0
Iron	0.001585	0.048406	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000389	µg/m ³	V0
Copper	0.000027	0.000338	µg/m ³	V0
Zinc	0.000149	0.002923	µg/m ³	V0
Arsenic	0.000005	0.000024	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000042	µg/m ³	V0
Strontium	0.000012	0.000088	µg/m ³	V0
Niobium	0.000006	0.000110	µg/m ³	V0
Molybdenum	0.000025	0.000289	µg/m ³	V0
Palladium	0.000050	0.000103	µg/m ³	V0
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000114	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000523	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000275	µg/m ³	V0
Tungsten	0.000005	0.000133	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000032	µg/m ³	V0
Lead	0.000018	0.000092	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300978
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.0	°C	
Pressure		710.0	mmHg	
Particulate Matter	0.042	1.375	µg/m ³	V0
Lithium	0.000016	0.000061	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003520	µg/m ³	V0
Magnesium	0.000279	0.017570	µg/m ³	V0
Aluminum	0.002800	0.027666	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.048717	µg/m ³	V0
Potassium	0.000402	0.003153	µg/m ³	V0
Calcium	0.013042	0.014945	µg/m ³	V0
Titanium	0.000031	0.000771	µg/m ³	V0
Vanadium	0.000018	0.000048	µg/m ³	V0
Chromium	0.000045	0.001161	µg/m ³	V0
Manganese	0.000028	0.000167	µg/m ³	V0
Iron	0.001585	0.012189	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000157	µg/m ³	V0
Copper	0.000027	0.000069	µg/m ³	V0
Zinc	0.000149	0.004017	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000019	µg/m ³	V0
Strontium	0.000012	0.000050	µg/m ³	V0
Niobium	0.000006	0.000042	µg/m ³	V0
Molybdenum	0.000025	0.000099	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000077	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000060	µg/m ³	V0
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000127	µg/m ³	V0
Tungsten	0.000005	0.000062	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000042	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220300984
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		731.9	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Lithium	0.000016	0.000080	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.113739	µg/m ³	V0
Magnesium	0.000279	0.025604	µg/m ³	V0
Aluminum	0.002800	0.047603	µg/m ³	V0
Silicon	0.010200	0.036023	µg/m ³	V0
Phosphorus	0.003480	0.051788	µg/m ³	V0
Potassium	0.000402	0.036423	µg/m ³	V0
Calcium	0.013042	0.030756	µg/m ³	V0
Titanium	0.000031	0.002232	µg/m ³	V0
Vanadium	0.000018	0.000054	µg/m ³	V0
Chromium	0.000045	0.000403	µg/m ³	V0
Manganese	0.000028	0.000643	µg/m ³	V0
Iron	0.001585	0.031926	µg/m ³	V0
Cobalt	0.000005	0.000038	µg/m ³	V0
Nickel	0.000015	0.000116	µg/m ³	V0
Copper	0.000027	0.002198	µg/m ³	V0
Zinc	0.000149	0.006315	µg/m ³	V0
Arsenic	0.000005	0.000007	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000064	µg/m ³	V0
Strontium	0.000012	0.000525	µg/m ³	V0
Niobium	0.000006	0.000054	µg/m ³	V0
Molybdenum	0.000025	0.000176	µg/m ³	V0
Palladium	0.000050	0.000067	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000299	µg/m ³	V0
Antimony	0.000016	0.000191	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002524	µg/m ³	V0
Lanthanum	0.000004	0.000015	µg/m ³	V0
Cerium	0.000013	0.000044	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000137	µg/m ³	V0
Tungsten	0.000005	0.000066	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000135	µg/m ³	V0
Bismuth	0.000004	0.000307	µg/m ³	V4
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220301013
Start Date:	2022-03-22 12:20	End Date:	2022-03-22 12:21	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.625	µg/m ³	V0
Lithium	0.000016	0.000065	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.019105	µg/m ³	V0
Magnesium	0.000279	0.020825	µg/m ³	V0
Aluminum	0.002800	0.035766	µg/m ³	V0
Silicon	0.010200	0.012071	µg/m ³	V0
Phosphorus	0.003480	0.042531	µg/m ³	V0
Potassium	0.000402	0.003586	µg/m ³	V0
Calcium	0.013042	0.014385	µg/m ³	V0
Titanium	0.000031	0.000542	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000666	µg/m ³	V0
Manganese	0.000028	0.000089	µg/m ³	V0
Iron	0.001585	0.005861	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000253	µg/m ³	V0
Copper	0.000027	0.000458	µg/m ³	V0
Zinc	0.000149	0.007475	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000017	µg/m ³	V0
Strontium	0.000012	0.000042	µg/m ³	V0
Niobium	0.000006	0.000055	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000080	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000061	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000157	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	0.000094	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000050	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220301000
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.8	°C	
Pressure		711.8	mmHg	
Particulate Matter	0.042	2.583	µg/m ³	V0
Lithium	0.000016	0.000068	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.037843	µg/m ³	V0
Magnesium	0.000279	0.022384	µg/m ³	V0
Aluminum	0.002800	0.028172	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.038833	µg/m ³	V0
Potassium	0.000402	0.005893	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000603	µg/m ³	V0
Vanadium	0.000018	0.000229	µg/m ³	V0
Chromium	0.000045	0.000493	µg/m ³	V0
Manganese	0.000028	0.000199	µg/m ³	V0
Iron	0.001585	0.007996	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000150	µg/m ³	V0
Copper	0.000027	0.000257	µg/m ³	V0
Zinc	0.000149	0.005493	µg/m ³	V0
Arsenic	0.000005	0.000005	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000027	µg/m ³	V0
Strontium	0.000012	0.000098	µg/m ³	V0
Niobium	0.000006	0.000061	µg/m ³	V0
Molybdenum	0.000025	0.000063	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000078	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000082	µg/m ³	V0
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000132	µg/m ³	V0
Tungsten	0.000005	0.000063	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000123	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301018	
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.9	°C	
Pressure		740.9	mmHg	
Particulate Matter	0.042	2.833	µg/m ³	V0
Lithium	0.000016	0.000085	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.070371	µg/m ³	V0
Magnesium	0.000279	0.035530	µg/m ³	V0
Aluminum	0.002800	0.046438	µg/m ³	V0
Silicon	0.010200	0.072450	µg/m ³	V0
Phosphorus	0.003480	0.047972	µg/m ³	V0
Potassium	0.000402	0.009429	µg/m ³	V0
Calcium	0.013042	0.018421	µg/m ³	V0
Titanium	0.000031	0.001107	µg/m ³	V0
Vanadium	0.000018	0.000020	µg/m ³	V0
Chromium	0.000045	0.000680	µg/m ³	V0
Manganese	0.000028	0.000420	µg/m ³	V0
Iron	0.001585	0.015800	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000276	µg/m ³	V0
Copper	0.000027	0.000159	µg/m ³	V0
Zinc	0.000149	0.005693	µg/m ³	V0
Arsenic	0.000005	0.000014	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000045	µg/m ³	V0
Strontium	0.000012	0.000204	µg/m ³	V0
Niobium	0.000006	0.000078	µg/m ³	V0
Molybdenum	0.000025	0.000055	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000069	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000198	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000026	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000186	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000182	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301035
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.5	°C	
Pressure		719.8	mmHg	
Particulate Matter	0.042	3.333	µg/m ³	V0
Lithium	0.000016	0.000077	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.061298	µg/m ³	V0
Magnesium	0.000279	0.029775	µg/m ³	V0
Aluminum	0.002800	0.032169	µg/m ³	V0
Silicon	0.010200	0.023754	µg/m ³	V0
Phosphorus	0.003480	0.044561	µg/m ³	V0
Potassium	0.000402	0.007526	µg/m ³	V0
Calcium	0.013042	0.017348	µg/m ³	V0
Titanium	0.000031	0.001577	µg/m ³	V0
Vanadium	0.000018	0.001120	µg/m ³	V0
Chromium	0.000045	0.001003	µg/m ³	V0
Manganese	0.000028	0.000403	µg/m ³	V0
Iron	0.001585	0.015336	µg/m ³	V0
Cobalt	0.000005	0.000038	µg/m ³	V0
Nickel	0.000015	0.000407	µg/m ³	V0
Copper	0.000027	0.000284	µg/m ³	V0
Zinc	0.000149	0.004134	µg/m ³	V0
Arsenic	0.000005	0.000035	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000036	µg/m ³	V0
Strontium	0.000012	0.000176	µg/m ³	V0
Niobium	0.000006	0.000062	µg/m ³	V0
Molybdenum	0.000025	0.000189	µg/m ³	V0
Palladium	0.000050	0.000055	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000114	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000189	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000023	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000182	µg/m ³	V0
Tungsten	0.000005	0.000077	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000232	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301054
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.2	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	3.917	µg/m ³	V0
Lithium	0.000016	0.000091	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.104514	µg/m ³	V0
Magnesium	0.000279	0.040204	µg/m ³	V0
Aluminum	0.002800	0.042574	µg/m ³	V0
Silicon	0.010200	0.026372	µg/m ³	V0
Phosphorus	0.003480	0.041619	µg/m ³	V0
Potassium	0.000402	0.016628	µg/m ³	V0
Calcium	0.013042	0.031518	µg/m ³	V0
Titanium	0.000031	0.002237	µg/m ³	V0
Vanadium	0.000018	0.002772	µg/m ³	V0
Chromium	0.000045	0.000481	µg/m ³	V0
Manganese	0.000028	0.000500	µg/m ³	V0
Iron	0.001585	0.016275	µg/m ³	V0
Cobalt	0.000005	0.000071	µg/m ³	V0
Nickel	0.000015	0.000465	µg/m ³	V0
Copper	0.000027	0.000249	µg/m ³	V0
Zinc	0.000149	0.003278	µg/m ³	V0
Arsenic	0.000005	0.000052	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000050	µg/m ³	V0
Strontium	0.000012	0.000279	µg/m ³	V0
Niobium	0.000006	0.000051	µg/m ³	V0
Molybdenum	0.000025	0.000339	µg/m ³	V0
Palladium	0.000050	0.000054	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000109	µg/m ³	V0
Antimony	0.000016	0.000030	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000294	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000026	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000134	µg/m ³	V0
Tungsten	0.000005	0.000080	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000286	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301061
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.3	°C	
Pressure		718.5	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Lithium	0.000016	0.000078	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.045805	µg/m ³	V0
Magnesium	0.000279	0.025352	µg/m ³	V0
Aluminum	0.002800	0.031052	µg/m ³	V0
Silicon	0.010200	0.019588	µg/m ³	V0
Phosphorus	0.003480	0.044382	µg/m ³	V0
Potassium	0.000402	0.006382	µg/m ³	V0
Calcium	0.013042	0.014246	µg/m ³	V0
Titanium	0.000031	0.001485	µg/m ³	V0
Vanadium	0.000018	0.000849	µg/m ³	V0
Chromium	0.000045	0.000789	µg/m ³	V0
Manganese	0.000028	0.000251	µg/m ³	V0
Iron	0.001585	0.010048	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000297	µg/m ³	V0
Copper	0.000027	0.000147	µg/m ³	V0
Zinc	0.000149	0.002927	µg/m ³	V0
Arsenic	0.000005	0.000033	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000028	µg/m ³	V0
Strontium	0.000012	0.000123	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000173	µg/m ³	V0
Palladium	0.000050	0.000070	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000099	µg/m ³	V0
Antimony	0.000016	0.000020	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000061	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000176	µg/m ³	V0
Tungsten	0.000005	0.000077	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000152	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00
		Set Index:	1
		WBEA ID:	220301069
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.6	°C	
Pressure		742.3	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Lithium	0.000016	0.000076	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.105122	µg/m ³	V0
Magnesium	0.000279	0.034706	µg/m ³	V0
Aluminum	0.002800	0.035906	µg/m ³	V0
Silicon	0.010200	0.050368	µg/m ³	V0
Phosphorus	0.003480	0.058701	µg/m ³	V0
Potassium	0.000402	0.016634	µg/m ³	V0
Calcium	0.013042	0.028673	µg/m ³	V0
Titanium	0.000031	0.002095	µg/m ³	V0
Vanadium	0.000018	0.002701	µg/m ³	V0
Chromium	0.000045	0.000558	µg/m ³	V0
Manganese	0.000028	0.000476	µg/m ³	V0
Iron	0.001585	0.030727	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000345	µg/m ³	V0
Copper	0.000027	0.000369	µg/m ³	V0
Zinc	0.000149	0.001164	µg/m ³	V0
Arsenic	0.000005	0.000043	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000058	µg/m ³	V0
Strontium	0.000012	0.000269	µg/m ³	V0
Niobium	0.000006	0.000065	µg/m ³	V0
Molybdenum	0.000025	0.000291	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000154	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000316	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000188	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000305	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300988
Start Date:	2022-03-24 12:00	End Date:	2022-03-25 12:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in short sampling duration and low sample volume.
Sampler set for wrong start/end time (12:00).(51240/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2
Temperature		-13.0	°C	
Pressure		742.9	mmHg	
Particulate Matter	0.042	-9999	µg/m ³	M2
Lithium	0.000016	-9999	µg/m ³	M2
Beryllium	0.000013	-9999	µg/m ³	M2
Sodium	0.000777	-9999	µg/m ³	M2
Magnesium	0.000279	-9999	µg/m ³	M2
Aluminum	0.002800	-9999	µg/m ³	M2
Silicon	0.010200	-9999	µg/m ³	M2
Phosphorus	0.003480	-9999	µg/m ³	M2
Potassium	0.000402	-9999	µg/m ³	M2
Calcium	0.013042	-9999	µg/m ³	M2
Titanium	0.000031	-9999	µg/m ³	M2
Vanadium	0.000018	-9999	µg/m ³	M2
Chromium	0.000045	-9999	µg/m ³	M2
Manganese	0.000028	-9999	µg/m ³	M2
Iron	0.001585	-9999	µg/m ³	M2
Cobalt	0.000005	-9999	µg/m ³	M2
Nickel	0.000015	-9999	µg/m ³	M2
Copper	0.000027	-9999	µg/m ³	M2
Zinc	0.000149	-9999	µg/m ³	M2
Arsenic	0.000005	-9999	µg/m ³	M2
Selenium	0.000133	-9999	µg/m ³	M2
Rubidium	0.000003	-9999	µg/m ³	M2
Strontium	0.000012	-9999	µg/m ³	M2
Niobium	0.000006	-9999	µg/m ³	M2
Molybdenum	0.000025	-9999	µg/m ³	M2
Palladium	0.000050	-9999	µg/m ³	M2
Silver	0.000006	-9999	µg/m ³	M2
Cadmium	0.000011	-9999	µg/m ³	M2
Tin	0.000008	-9999	µg/m ³	M2
Antimony	0.000016	-9999	µg/m ³	M2
Cesium	0.000004	-9999	µg/m ³	M2
Barium	0.000054	-9999	µg/m ³	M2
Lanthanum	0.000004	-9999	µg/m ³	M2
Cerium	0.000013	-9999	µg/m ³	M2
Praseodymium	0.000002	-9999	µg/m ³	M2
Neodymium	0.000005	-9999	µg/m ³	M2
Samarium	0.000006	-9999	µg/m ³	M2
Tantalum	0.000003	-9999	µg/m ³	M2
Tungsten	0.000005	-9999	µg/m ³	M2
Platinum	0.000004	-9999	µg/m ³	M2
Thallium	0.000005	-9999	µg/m ³	M2
Lead	0.000018	-9999	µg/m ³	M2
Bismuth	0.000004	-9999	µg/m ³	M2
Thorium	0.000002	-9999	µg/m ³	M2
Uranium	0.000003	-9999	µg/m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Metal** Samp Use: **Field Procedure Blank** Set Index: **1**
Location: **Patricia McInnes** Loc ID: **PATM** WBEA ID: **220301079**
Start Date: **2022-03-25 08:06** End Date: **2022-03-25 08:07** Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000063	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.024080	µg/m ³	V0
Aluminum	0.002800	0.034971	µg/m ³	V0
Silicon	0.010200	0.020143	µg/m ³	V0
Phosphorus	0.003480	0.048277	µg/m ³	V0
Potassium	0.000402	0.005791	µg/m ³	V0
Calcium	0.013042	0.023723	µg/m ³	V0
Titanium	0.000031	0.000546	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000862	µg/m ³	V0
Manganese	0.000028	0.000111	µg/m ³	V0
Iron	0.001585	0.005976	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000364	µg/m ³	V0
Copper	0.000027	0.000313	µg/m ³	V0
Zinc	0.000149	0.003240	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000019	µg/m ³	V0
Strontium	0.000012	0.000055	µg/m ³	V0
Niobium	0.000006	0.000060	µg/m ³	V0
Molybdenum	0.000025	0.000039	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000177	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000150	µg/m ³	V0
Tungsten	0.000005	0.000050	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000041	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301081
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.0	°C	
Pressure		721.9	mmHg	
Particulate Matter	0.042	6.417	µg/m ³	V0
Lithium	0.000016	0.000143	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035866	µg/m ³	V0
Magnesium	0.000279	0.037682	µg/m ³	V0
Aluminum	0.002800	0.064563	µg/m ³	V0
Silicon	0.010200	0.151550	µg/m ³	V0
Phosphorus	0.003480	0.030738	µg/m ³	V0
Potassium	0.000402	0.028825	µg/m ³	V0
Calcium	0.013042	0.051209	µg/m ³	V0
Titanium	0.000031	0.003352	µg/m ³	V0
Vanadium	0.000018	0.000678	µg/m ³	V0
Chromium	0.000045	0.000877	µg/m ³	V0
Manganese	0.000028	0.001355	µg/m ³	V0
Iron	0.001585	0.041432	µg/m ³	V0
Cobalt	0.000005	0.000071	µg/m ³	V0
Nickel	0.000015	0.000416	µg/m ³	V0
Copper	0.000027	0.000652	µg/m ³	V0
Zinc	0.000149	0.011022	µg/m ³	V0
Arsenic	0.000005	0.000083	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000116	µg/m ³	V0
Strontium	0.000012	0.000257	µg/m ³	V0
Niobium	0.000006	0.000090	µg/m ³	V0
Molybdenum	0.000025	0.000158	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000240	µg/m ³	V0
Antimony	0.000016	0.000117	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.001289	µg/m ³	V0
Lanthanum	0.000004	0.000173	µg/m ³	V0
Cerium	0.000013	0.000068	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000026	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000292	µg/m ³	V0
Tungsten	0.000005	0.000121	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000348	µg/m ³	V0
Bismuth	0.000004	0.000030	µg/m ³	V0
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301088
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.2	°C	
Pressure		709.3	mmHg	
Particulate Matter	0.042	3.792	µg/m ³	V0
Lithium	0.000016	0.000127	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.033842	µg/m ³	V0
Magnesium	0.000279	0.032561	µg/m ³	V0
Aluminum	0.002800	0.074476	µg/m ³	V0
Silicon	0.010200	0.014593	µg/m ³	V0
Phosphorus	0.003480	0.022957	µg/m ³	V0
Potassium	0.000402	0.023181	µg/m ³	V0
Calcium	0.013042	0.062451	µg/m ³	V0
Titanium	0.000031	0.002784	µg/m ³	V0
Vanadium	0.000018	0.000884	µg/m ³	V0
Chromium	0.000045	0.004050	µg/m ³	V0
Manganese	0.000028	0.001070	µg/m ³	V0
Iron	0.001585	0.076431	µg/m ³	V0
Cobalt	0.000005	0.000078	µg/m ³	V0
Nickel	0.000015	0.000586	µg/m ³	V0
Copper	0.000027	0.000481	µg/m ³	V0
Zinc	0.000149	0.004557	µg/m ³	V0
Arsenic	0.000005	0.000038	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000094	µg/m ³	V0
Strontium	0.000012	0.000262	µg/m ³	V0
Niobium	0.000006	0.000027	µg/m ³	V0
Molybdenum	0.000025	0.001038	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000182	µg/m ³	V0
Antimony	0.000016	0.000068	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000647	µg/m ³	V0
Lanthanum	0.000004	0.000176	µg/m ³	V0
Cerium	0.000013	0.000066	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000029	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000051	µg/m ³	V0
Tungsten	0.000005	0.000103	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000336	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220301099
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.5	°C	
Pressure		731.3	mmHg	
Particulate Matter	0.042	6.125	µg/m ³	V0
Lithium	0.000016	0.000149	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.060205	µg/m ³	V0
Magnesium	0.000279	0.042018	µg/m ³	V0
Aluminum	0.002800	0.086218	µg/m ³	V0
Silicon	0.010200	0.067938	µg/m ³	V0
Phosphorus	0.003480	0.038237	µg/m ³	V0
Potassium	0.000402	0.050188	µg/m ³	V0
Calcium	0.013042	0.101421	µg/m ³	V0
Titanium	0.000031	0.005369	µg/m ³	V0
Vanadium	0.000018	0.000799	µg/m ³	V0
Chromium	0.000045	0.002035	µg/m ³	V0
Manganese	0.000028	0.002178	µg/m ³	V0
Iron	0.001585	0.089937	µg/m ³	V0
Cobalt	0.000005	0.000102	µg/m ³	V0
Nickel	0.000015	0.000600	µg/m ³	V0
Copper	0.000027	0.001014	µg/m ³	V0
Zinc	0.000149	0.009564	µg/m ³	V0
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000167	µg/m ³	V0
Strontium	0.000012	0.000433	µg/m ³	V0
Niobium	0.000006	0.000045	µg/m ³	V0
Molybdenum	0.000025	0.000284	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000251	µg/m ³	V0
Antimony	0.000016	0.000215	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.002482	µg/m ³	V0
Lanthanum	0.000004	0.000209	µg/m ³	V0
Cerium	0.000013	0.000108	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000043	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000092	µg/m ³	V0
Tungsten	0.000005	0.000137	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000402	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301105	
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.6	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Lithium	0.000016	0.000205	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.042865	µg/m ³	V0
Magnesium	0.000279	0.036467	µg/m ³	V0
Aluminum	0.002800	0.083012	µg/m ³	V0
Silicon	0.010200	0.032801	µg/m ³	V0
Phosphorus	0.003480	0.019000	µg/m ³	V0
Potassium	0.000402	0.031916	µg/m ³	V0
Calcium	0.013042	0.078030	µg/m ³	V0
Titanium	0.000031	0.004103	µg/m ³	V0
Vanadium	0.000018	0.000414	µg/m ³	V0
Chromium	0.000045	0.001212	µg/m ³	V0
Manganese	0.000028	0.001521	µg/m ³	V0
Iron	0.001585	0.065364	µg/m ³	V0
Cobalt	0.000005	0.000073	µg/m ³	V0
Nickel	0.000015	0.000266	µg/m ³	V0
Copper	0.000027	0.000378	µg/m ³	V0
Zinc	0.000149	0.006211	µg/m ³	V0
Arsenic	0.000005	0.000047	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000138	µg/m ³	V0
Strontium	0.000012	0.000350	µg/m ³	V0
Niobium	0.000006	0.000031	µg/m ³	V0
Molybdenum	0.000025	0.000134	µg/m ³	V0
Palladium	0.000050	0.000062	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000123	µg/m ³	V0
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.000725	µg/m ³	V0
Lanthanum	0.000004	0.000084	µg/m ³	V0
Cerium	0.000013	0.000097	µg/m ³	V0
Praseodymium	0.000002	0.000012	µg/m ³	V0
Neodymium	0.000005	0.000042	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000040	µg/m ³	V0
Tungsten	0.000005	0.000057	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000214	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220301147
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.8	°C	
Pressure		703.1	mmHg	
Particulate Matter	0.042	7.875	µg/m ³	V0
Lithium	0.000016	0.000182	µg/m ³	V0
Beryllium	0.000013	0.000031	µg/m ³	V0
Sodium	0.000777	0.040518	µg/m ³	V0
Magnesium	0.000279	0.044474	µg/m ³	V0
Aluminum	0.002800	0.083982	µg/m ³	V0
Silicon	0.010200	0.189612	µg/m ³	V0
Phosphorus	0.003480	0.042735	µg/m ³	V0
Potassium	0.000402	0.036129	µg/m ³	V0
Calcium	0.013042	0.089901	µg/m ³	V0
Titanium	0.000031	0.004966	µg/m ³	V0
Vanadium	0.000018	0.000286	µg/m ³	V0
Chromium	0.000045	0.000839	µg/m ³	V0
Manganese	0.000028	0.001658	µg/m ³	V0
Iron	0.001585	0.080592	µg/m ³	V0
Cobalt	0.000005	0.000125	µg/m ³	V0
Nickel	0.000015	0.000317	µg/m ³	V0
Copper	0.000027	0.000421	µg/m ³	V0
Zinc	0.000149	0.003703	µg/m ³	V0
Arsenic	0.000005	0.000121	µg/m ³	V0
Selenium	0.000133	0.000158	µg/m ³	V0
Rubidium	0.000003	0.000142	µg/m ³	V0
Strontium	0.000012	0.000431	µg/m ³	V0
Niobium	0.000006	0.000170	µg/m ³	V0
Molybdenum	0.000025	0.000185	µg/m ³	V0
Palladium	0.000050	0.000204	µg/m ³	V0
Silver	0.000006	0.000036	µg/m ³	V0
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000138	µg/m ³	V0
Antimony	0.000016	0.000104	µg/m ³	V0
Cesium	0.000004	0.000032	µg/m ³	V0
Barium	0.000054	0.001071	µg/m ³	V0
Lanthanum	0.000004	0.000118	µg/m ³	V0
Cerium	0.000013	0.000133	µg/m ³	V0
Praseodymium	0.000002	0.000042	µg/m ³	V0
Neodymium	0.000005	0.000078	µg/m ³	V0
Samarium	0.000006	0.000040	µg/m ³	V0
Tantalum	0.000003	0.000345	µg/m ³	V0
Tungsten	0.000005	0.000264	µg/m ³	V0
Platinum	0.000004	0.000035	µg/m ³	V0
Thallium	0.000005	0.000084	µg/m ³	V0
Lead	0.000018	0.000293	µg/m ³	V0
Bismuth	0.000004	0.000046	µg/m ³	V0
Thorium	0.000002	0.000051	µg/m ³	V0
Uranium	0.000003	0.000036	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301153
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.3	°C	
Pressure		711.0	mmHg	
Particulate Matter	0.042	2.625	µg/m ³	V0
Lithium	0.000016	0.000176	µg/m ³	V0
Beryllium	0.000013	0.000027	µg/m ³	V0
Sodium	0.000777	0.021166	µg/m ³	V0
Magnesium	0.000279	0.025890	µg/m ³	V0
Aluminum	0.002800	0.053494	µg/m ³	V0
Silicon	0.010200	0.040132	µg/m ³	V0
Phosphorus	0.003480	0.035617	µg/m ³	V0
Potassium	0.000402	0.018670	µg/m ³	V0
Calcium	0.013042	0.025342	µg/m ³	V0
Titanium	0.000031	0.001843	µg/m ³	V0
Vanadium	0.000018	0.000172	µg/m ³	V0
Chromium	0.000045	0.000965	µg/m ³	V0
Manganese	0.000028	0.000883	µg/m ³	V0
Iron	0.001585	0.031501	µg/m ³	V0
Cobalt	0.000005	0.000082	µg/m ³	V0
Nickel	0.000015	0.000360	µg/m ³	V0
Copper	0.000027	0.000475	µg/m ³	V0
Zinc	0.000149	0.004209	µg/m ³	V0
Arsenic	0.000005	0.000247	µg/m ³	V0
Selenium	0.000133	0.000235	µg/m ³	V0
Rubidium	0.000003	0.000104	µg/m ³	V0
Strontium	0.000012	0.000191	µg/m ³	V0
Niobium	0.000006	0.000368	µg/m ³	V0
Molybdenum	0.000025	0.000266	µg/m ³	V0
Palladium	0.000050	0.000400	µg/m ³	V0
Silver	0.000006	0.000078	µg/m ³	V0
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000166	µg/m ³	V0
Antimony	0.000016	0.000213	µg/m ³	V0
Cesium	0.000004	0.000036	µg/m ³	V0
Barium	0.000054	0.000511	µg/m ³	V0
Lanthanum	0.000004	0.000078	µg/m ³	V0
Cerium	0.000013	0.000062	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000037	µg/m ³	V0
Samarium	0.000006	0.000024	µg/m ³	V0
Tantalum	0.000003	0.001637	µg/m ³	V0
Tungsten	0.000005	0.000983	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000251	µg/m ³	V0
Lead	0.000018	0.000274	µg/m ³	V0
Bismuth	0.000004	0.000077	µg/m ³	V0
Thorium	0.000002	0.000044	µg/m ³	V0
Uranium	0.000003	0.000026	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220301132
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	
Temperature		1.0	°C	
Pressure		728.8	mmHg	
Particulate Matter	0.042	2.542	µg/m ³	
Lithium	0.000016	0.000119	µg/m ³	
Beryllium	0.000013	0.000003	µg/m ³	
Sodium	0.000777	0.058113	µg/m ³	
Magnesium	0.000279	0.006382	µg/m ³	
Aluminum	0.002800	0.000000	µg/m ³	
Silicon	0.010200	0.042778	µg/m ³	
Phosphorus	0.003480	0.024172	µg/m ³	
Potassium	0.000402	0.005963	µg/m ³	
Calcium	0.013042	0.030417	µg/m ³	
Titanium	0.000031	0.000876	µg/m ³	
Vanadium	0.000018	0.000000	µg/m ³	
Chromium	0.000045	0.000795	µg/m ³	
Manganese	0.000028	0.000220	µg/m ³	
Iron	0.001585	0.014475	µg/m ³	
Cobalt	0.000005	0.000026	µg/m ³	
Nickel	0.000015	0.000248	µg/m ³	
Copper	0.000027	0.000509	µg/m ³	
Zinc	0.000149	0.000000	µg/m ³	
Arsenic	0.000005	0.000000	µg/m ³	
Selenium	0.000133	0.000000	µg/m ³	
Rubidium	0.000003	0.000015	µg/m ³	
Strontium	0.000012	0.000134	µg/m ³	
Niobium	0.000006	0.000106	µg/m ³	
Molybdenum	0.000025	0.000099	µg/m ³	
Palladium	0.000050	0.000029	µg/m ³	
Silver	0.000006	0.000000	µg/m ³	
Cadmium	0.000011	0.000007	µg/m ³	
Tin	0.000008	0.000109	µg/m ³	
Antimony	0.000016	0.000009	µg/m ³	
Cesium	0.000004	0.000000	µg/m ³	
Barium	0.000054	0.000049	µg/m ³	
Lanthanum	0.000004	0.000009	µg/m ³	
Cerium	0.000013	0.000013	µg/m ³	
Praseodymium	0.000002	0.000002	µg/m ³	
Neodymium	0.000005	0.000006	µg/m ³	
Samarium	0.000006	0.000001	µg/m ³	
Tantalum	0.000003	0.000688	µg/m ³	
Tungsten	0.000005	0.000055	µg/m ³	
Platinum	0.000004	0.000000	µg/m ³	
Thallium	0.000005	0.000008	µg/m ³	
Lead	0.000018	0.000146	µg/m ³	
Bismuth	0.000004	0.000006	µg/m ³	
Thorium	0.000002	0.000001	µg/m ³	
Uranium	0.000003	0.000001	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220301202
Start Date:	2022-03-31 11:26	End Date:	2022-03-31 11:27	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.333	µg/m ³	V0
Lithium	0.000016	0.000148	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005596	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.091799	µg/m ³	V0
Phosphorus	0.003480	0.021187	µg/m ³	V0
Potassium	0.000402	0.003443	µg/m ³	V0
Calcium	0.013042	0.031452	µg/m ³	V0
Titanium	0.000031	0.001168	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000592	µg/m ³	V0
Manganese	0.000028	0.000086	µg/m ³	V0
Iron	0.001585	0.006100	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000323	µg/m ³	V0
Copper	0.000027	0.000888	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000247	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000033	µg/m ³	V0
Niobium	0.000006	0.000644	µg/m ³	V0
Molybdenum	0.000025	0.000384	µg/m ³	V0
Palladium	0.000050	0.000097	µg/m ³	V0
Silver	0.000006	0.000040	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000189	µg/m ³	V0
Antimony	0.000016	0.000090	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000165	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.004810	µg/m ³	V0
Tungsten	0.000005	0.000482	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000087	µg/m ³	V0
Lead	0.000018	0.000081	µg/m ³	V0
Bismuth	0.000004	0.000100	µg/m ³	V0
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301186
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.1	°C	
Pressure		719.3	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Lithium	0.000016	0.000113	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015159	µg/m ³	V0
Magnesium	0.000279	0.000891	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.032807	µg/m ³	V0
Phosphorus	0.003480	0.018981	µg/m ³	V0
Potassium	0.000402	0.010263	µg/m ³	V0
Calcium	0.013042	0.031108	µg/m ³	V0
Titanium	0.000031	0.001647	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000665	µg/m ³	V0
Manganese	0.000028	0.000420	µg/m ³	V0
Iron	0.001585	0.017116	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000315	µg/m ³	V0
Copper	0.000027	0.000297	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	0.000138	µg/m ³	V0
Rubidium	0.000003	0.000022	µg/m ³	V0
Strontium	0.000012	0.000111	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000064	µg/m ³	V0
Palladium	0.000050	0.000074	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000226	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000369	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000435	µg/m ³	V0
Tungsten	0.000005	0.000073	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000234	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301191
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.5	°C	
Pressure		706.9	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Lithium	0.000016	0.000122	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012073	µg/m ³	V0
Magnesium	0.000279	0.003124	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.069242	µg/m ³	V0
Phosphorus	0.003480	0.026440	µg/m ³	V0
Potassium	0.000402	0.009072	µg/m ³	V0
Calcium	0.013042	0.034932	µg/m ³	V0
Titanium	0.000031	0.001167	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000577	µg/m ³	V0
Manganese	0.000028	0.000357	µg/m ³	V0
Iron	0.001585	0.011987	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000253	µg/m ³	V0
Copper	0.000027	0.000566	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000033	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000013	µg/m ³	V0
Strontium	0.000012	0.000099	µg/m ³	V0
Niobium	0.000006	0.000393	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	0.000124	µg/m ³	V0
Silver	0.000006	0.000020	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000169	µg/m ³	V0
Antimony	0.000016	0.000083	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000803	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002039	µg/m ³	V0
Tungsten	0.000005	0.000297	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000052	µg/m ³	V0
Lead	0.000018	0.000236	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220301206
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.9	°C	
Pressure		729.0	mmHg	
Particulate Matter	0.042	2.875	µg/m ³	V0
Lithium	0.000016	0.000149	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013885	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	0.006129	µg/m ³	V0
Silicon	0.010200	0.113697	µg/m ³	V0
Phosphorus	0.003480	0.030178	µg/m ³	V0
Potassium	0.000402	0.005541	µg/m ³	V0
Calcium	0.013042	0.054600	µg/m ³	V0
Titanium	0.000031	0.001292	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000280	µg/m ³	V0
Manganese	0.000028	0.000229	µg/m ³	V0
Iron	0.001585	0.011677	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000193	µg/m ³	V0
Copper	0.000027	0.000113	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000019	µg/m ³	V0
Strontium	0.000012	0.000291	µg/m ³	V0
Niobium	0.000006	0.000174	µg/m ³	V0
Molybdenum	0.000025	0.000052	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000121	µg/m ³	V0
Antimony	0.000016	0.000047	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000435	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001058	µg/m ³	V0
Tungsten	0.000005	0.000103	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000025	µg/m ³	V0
Lead	0.000018	0.000139	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401221
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87660/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V6
Temperature		7.4	°C	
Pressure		727.8	mmHg	
Particulate Matter	0.042	2.963	µg/m ³	V0
Lithium	0.000016	0.000054	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012830	µg/m ³	V0
Magnesium	0.000279	0.003072	µg/m ³	V0
Aluminum	0.002800	0.007414	µg/m ³	V0
Silicon	0.010200	0.074717	µg/m ³	V0
Phosphorus	0.003480	0.022701	µg/m ³	V0
Potassium	0.000402	0.019272	µg/m ³	V0
Calcium	0.013042	0.034179	µg/m ³	V0
Titanium	0.000031	0.003277	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000623	µg/m ³	V0
Manganese	0.000028	0.001050	µg/m ³	V0
Iron	0.001585	0.026167	µg/m ³	V0
Cobalt	0.000005	0.000052	µg/m ³	V0
Nickel	0.000015	0.000386	µg/m ³	V0
Copper	0.000027	0.000172	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000032	µg/m ³	V0
Strontium	0.000012	0.000131	µg/m ³	V0
Niobium	0.000006	0.000185	µg/m ³	V0
Molybdenum	0.000025	0.000248	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000031	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000229	µg/m ³	V0
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000209	µg/m ³	V0
Lanthanum	0.000004	0.000015	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000640	µg/m ³	V0
Tungsten	0.000005	0.000297	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000186	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401235
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.2	°C	
Pressure		725.6	mmHg	
Particulate Matter	0.042	1.375	µg/m ³	V0
Lithium	0.000016	0.000040	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007814	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.031913	µg/m ³	V0
Phosphorus	0.003480	0.023808	µg/m ³	V0
Potassium	0.000402	0.009540	µg/m ³	V0
Calcium	0.013042	0.020754	µg/m ³	V0
Titanium	0.000031	0.000868	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.002139	µg/m ³	V0
Manganese	0.000028	0.000286	µg/m ³	V0
Iron	0.001585	0.024087	µg/m ³	V0
Cobalt	0.000005	0.000046	µg/m ³	V0
Nickel	0.000015	0.000481	µg/m ³	V0
Copper	0.000027	0.000267	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000005	µg/m ³	V0
Strontium	0.000012	0.000062	µg/m ³	V0
Niobium	0.000006	0.000052	µg/m ³	V0
Molybdenum	0.000025	0.000256	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000096	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000066	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000317	µg/m ³	V0
Tungsten	0.000005	0.000039	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000120	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401244
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.4	°C	
Pressure		700.7	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Lithium	0.000016	0.000105	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004036	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.036692	µg/m ³	V0
Phosphorus	0.003480	0.026924	µg/m ³	V0
Potassium	0.000402	0.009098	µg/m ³	V0
Calcium	0.013042	0.018406	µg/m ³	V0
Titanium	0.000031	0.000815	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.002904	µg/m ³	V0
Manganese	0.000028	0.000413	µg/m ³	V0
Iron	0.001585	0.025580	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000303	µg/m ³	V0
Copper	0.000027	0.000413	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000012	µg/m ³	V0
Strontium	0.000012	0.000058	µg/m ³	V0
Niobium	0.000006	0.000241	µg/m ³	V0
Molybdenum	0.000025	0.000075	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000106	µg/m ³	V0
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000245	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001426	µg/m ³	V0
Tungsten	0.000005	0.000146	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000028	µg/m ³	V0
Lead	0.000018	0.000179	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401255
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		708.2	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Lithium	0.000016	0.000086	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008820	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.031397	µg/m ³	V0
Phosphorus	0.003480	0.023503	µg/m ³	V0
Potassium	0.000402	0.005535	µg/m ³	V0
Calcium	0.013042	0.020102	µg/m ³	V0
Titanium	0.000031	0.001022	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000512	µg/m ³	V0
Manganese	0.000028	0.000233	µg/m ³	V0
Iron	0.001585	0.008788	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000247	µg/m ³	V0
Copper	0.000027	0.000141	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	0.000221	µg/m ³	V0
Rubidium	0.000003	0.000009	µg/m ³	V0
Strontium	0.000012	0.000062	µg/m ³	V0
Niobium	0.000006	0.000092	µg/m ³	V0
Molybdenum	0.000025	0.000036	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000106	µg/m ³	V0
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000350	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000570	µg/m ³	V0
Tungsten	0.000005	0.000086	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000232	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220401264
Start Date:	2022-04-06 09:00	End Date:	2022-04-06 09:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000041	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021220	µg/m ³	V0
Potassium	0.000402	0.004415	µg/m ³	V0
Calcium	0.013042	0.016959	µg/m ³	V0
Titanium	0.000031	0.001048	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000382	µg/m ³	V0
Manganese	0.000028	0.000067	µg/m ³	V0
Iron	0.001585	0.003323	µg/m ³	V0
Cobalt	0.000005	0.000013	µg/m ³	V0
Nickel	0.000015	0.000134	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	0.000058	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000079	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000534	µg/m ³	V0
Cerium	0.000013	0.001145	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000591	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401268
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		725.6	mmHg	
Particulate Matter	0.042	0.208	µg/m ³	V0
Lithium	0.000016	0.000051	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.047458	µg/m ³	V0
Magnesium	0.000279	0.004780	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.010691	µg/m ³	V0
Phosphorus	0.003480	0.019182	µg/m ³	V0
Potassium	0.000402	0.010829	µg/m ³	V0
Calcium	0.013042	0.036014	µg/m ³	V0
Titanium	0.000031	0.001121	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001546	µg/m ³	V0
Manganese	0.000028	0.000302	µg/m ³	V0
Iron	0.001585	0.016230	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000429	µg/m ³	V0
Copper	0.000027	0.000071	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000010	µg/m ³	V0
Strontium	0.000012	0.000087	µg/m ³	V0
Niobium	0.000006	0.000037	µg/m ³	V0
Molybdenum	0.000025	0.000065	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000101	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000097	µg/m ³	V0
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000249	µg/m ³	V0
Tungsten	0.000005	0.000041	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000211	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401281
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.3	°C	
Pressure		710.0	mmHg	
Particulate Matter	0.042	1.958	µg/m ³	V0
Lithium	0.000016	0.000040	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.022039	µg/m ³	V0
Magnesium	0.000279	0.006333	µg/m ³	V0
Aluminum	0.002800	0.015297	µg/m ³	V0
Silicon	0.010200	0.112556	µg/m ³	V0
Phosphorus	0.003480	0.019174	µg/m ³	V0
Potassium	0.000402	0.013758	µg/m ³	V0
Calcium	0.013042	0.025082	µg/m ³	V0
Titanium	0.000031	0.002210	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000550	µg/m ³	V0
Manganese	0.000028	0.000358	µg/m ³	V0
Iron	0.001585	0.018171	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000259	µg/m ³	V0
Copper	0.000027	0.000032	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000042	µg/m ³	V0
Strontium	0.000012	0.000131	µg/m ³	V0
Niobium	0.000006	0.000135	µg/m ³	V0
Molybdenum	0.000025	0.000100	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000120	µg/m ³	V0
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000070	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000601	µg/m ³	V0
Tungsten	0.000005	0.000161	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000159	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00
		Set Index:	1
		WBEA ID:	220401286
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.8	°C	
Pressure		717.6	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017095	µg/m ³	V0
Magnesium	0.000279	0.003175	µg/m ³	V0
Aluminum	0.002800	0.003153	µg/m ³	V0
Silicon	0.010200	0.045275	µg/m ³	V0
Phosphorus	0.003480	0.016745	µg/m ³	V0
Potassium	0.000402	0.011432	µg/m ³	V0
Calcium	0.013042	0.020061	µg/m ³	V0
Titanium	0.000031	0.001253	µg/m ³	V0
Vanadium	0.000018	0.000459	µg/m ³	V0
Chromium	0.000045	0.000700	µg/m ³	V0
Manganese	0.000028	0.000287	µg/m ³	V0
Iron	0.001585	0.011775	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000347	µg/m ³	V0
Copper	0.000027	0.000066	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000018	µg/m ³	V0
Strontium	0.000012	0.000087	µg/m ³	V0
Niobium	0.000006	0.000081	µg/m ³	V0
Molybdenum	0.000025	0.000138	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000108	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000066	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000397	µg/m ³	V0
Tungsten	0.000005	0.000094	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000139	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Anzac	Samp Use: Exposure	WBEA ID: 220401306
Start Date:	2022-04-11 00:00	Loc ID: ANZC	Duration: 24.0 hr
		End Date: 2022-04-12 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.5	°C	
Pressure		716.5	mmHg	
Particulate Matter	0.042	1.542	µg/m ³	V0
Lithium	0.000016	0.000058	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018578	µg/m ³	V0
Magnesium	0.000279	0.006595	µg/m ³	V0
Aluminum	0.002800	0.026234	µg/m ³	V0
Silicon	0.010200	0.090161	µg/m ³	V0
Phosphorus	0.003480	0.020000	µg/m ³	V0
Potassium	0.000402	0.014199	µg/m ³	V0
Calcium	0.013042	0.023382	µg/m ³	V0
Titanium	0.000031	0.005554	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000618	µg/m ³	V0
Manganese	0.000028	0.000242	µg/m ³	V0
Iron	0.001585	0.016665	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000269	µg/m ³	V0
Copper	0.000027	0.000172	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000035	µg/m ³	V0
Strontium	0.000012	0.000115	µg/m ³	V0
Niobium	0.000006	0.000068	µg/m ³	V0
Molybdenum	0.000025	0.000272	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000101	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000141	µg/m ³	V0
Lanthanum	0.000004	0.000015	µg/m ³	V0
Cerium	0.000013	0.000031	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000324	µg/m ³	V0
Tungsten	0.000005	0.000056	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000137	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401326	
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.2	°C	
Pressure		739.7	mmHg	
Particulate Matter	0.042	1.542	µg/m ³	V0
Lithium	0.000016	0.000085	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.034020	µg/m ³	V0
Magnesium	0.000279	0.010776	µg/m ³	V0
Aluminum	0.002800	0.032279	µg/m ³	V0
Silicon	0.010200	0.127400	µg/m ³	V0
Phosphorus	0.003480	0.022822	µg/m ³	V0
Potassium	0.000402	0.014815	µg/m ³	V0
Calcium	0.013042	0.046693	µg/m ³	V0
Titanium	0.000031	0.002410	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001517	µg/m ³	V0
Manganese	0.000028	0.000684	µg/m ³	V0
Iron	0.001585	0.043132	µg/m ³	V0
Cobalt	0.000005	0.000051	µg/m ³	V0
Nickel	0.000015	0.000273	µg/m ³	V0
Copper	0.000027	0.000096	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000049	µg/m ³	V0
Strontium	0.000012	0.000206	µg/m ³	V0
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	0.000098	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000149	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000287	µg/m ³	V0
Lanthanum	0.000004	0.000026	µg/m ³	V0
Cerium	0.000013	0.000050	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000062	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000428	µg/m ³	V0
Tungsten	0.000005	0.000053	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000229	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401337
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.6	°C	
Pressure		740.8	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Lithium	0.000016	0.000044	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014082	µg/m ³	V0
Magnesium	0.000279	0.003177	µg/m ³	V0
Aluminum	0.002800	0.027752	µg/m ³	V0
Silicon	0.010200	0.185861	µg/m ³	V0
Phosphorus	0.003480	0.027045	µg/m ³	V0
Potassium	0.000402	0.009503	µg/m ³	V0
Calcium	0.013042	0.027857	µg/m ³	V0
Titanium	0.000031	0.002028	µg/m ³	V0
Vanadium	0.000018	0.001108	µg/m ³	V0
Chromium	0.000045	0.002145	µg/m ³	V0
Manganese	0.000028	0.000600	µg/m ³	V0
Iron	0.001585	0.036979	µg/m ³	V0
Cobalt	0.000005	0.000046	µg/m ³	V0
Nickel	0.000015	0.000448	µg/m ³	V0
Copper	0.000027	0.000074	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000040	µg/m ³	V0
Strontium	0.000012	0.000127	µg/m ³	V0
Niobium	0.000006	0.000076	µg/m ³	V0
Molybdenum	0.000025	0.000283	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000078	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000290	µg/m ³	V0
Lanthanum	0.000004	0.000022	µg/m ³	V0
Cerium	0.000013	0.000048	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000461	µg/m ³	V0
Tungsten	0.000005	0.000090	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000140	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401344
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Lithium	0.000016	0.000107	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.024634	µg/m ³	V0
Magnesium	0.000279	0.004234	µg/m ³	V0
Aluminum	0.002800	0.046921	µg/m ³	V0
Silicon	0.010200	0.194769	µg/m ³	V0
Phosphorus	0.003480	0.023367	µg/m ³	V0
Potassium	0.000402	0.014351	µg/m ³	V0
Calcium	0.013042	0.027509	µg/m ³	V0
Titanium	0.000031	0.003168	µg/m ³	V0
Vanadium	0.000018	0.000865	µg/m ³	V0
Chromium	0.000045	0.000780	µg/m ³	V0
Manganese	0.000028	0.000621	µg/m ³	V0
Iron	0.001585	0.037905	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000304	µg/m ³	V0
Copper	0.000027	0.000094	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000072	µg/m ³	V0
Strontium	0.000012	0.000191	µg/m ³	V0
Niobium	0.000006	0.000090	µg/m ³	V0
Molybdenum	0.000025	0.000163	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000084	µg/m ³	V0
Antimony	0.000016	0.000283	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000376	µg/m ³	V0
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	0.000069	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000029	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000512	µg/m ³	V0
Tungsten	0.000005	0.000099	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000433	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Metal** Samp Use: **Field Procedure Blank** Set Index: **1**
Location: **Anzac** Loc ID: **ANZC** WBEA ID: **220401423**
Start Date: **2022-04-14 08:21** End Date: **2022-04-14 08:22** Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.250	µg/m ³	V0
Lithium	0.000016	0.000049	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002089	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.019608	µg/m ³	V0
Potassium	0.000402	0.000964	µg/m ³	V0
Calcium	0.013042	0.013272	µg/m ³	V0
Titanium	0.000031	0.000513	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000468	µg/m ³	V0
Manganese	0.000028	0.000101	µg/m ³	V0
Iron	0.001585	0.004223	µg/m ³	V0
Cobalt	0.000005	0.000015	µg/m ³	V0
Nickel	0.000015	0.000159	µg/m ³	V0
Copper	0.000027	0.000035	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000058	µg/m ³	V0
Molybdenum	0.000025	0.000159	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000165	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000284	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401354	
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.9	°C	
Pressure		715.0	mmHg	
Particulate Matter	0.042	4.083	µg/m ³	V0
Lithium	0.000016	0.000238	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.022108	µg/m ³	V0
Magnesium	0.000279	0.016811	µg/m ³	V0
Aluminum	0.002800	0.047670	µg/m ³	V0
Silicon	0.010200	0.228600	µg/m ³	V0
Phosphorus	0.003480	0.027573	µg/m ³	V0
Potassium	0.000402	0.025964	µg/m ³	V0
Calcium	0.013042	0.068704	µg/m ³	V0
Titanium	0.000031	0.003139	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001203	µg/m ³	V0
Manganese	0.000028	0.001550	µg/m ³	V0
Iron	0.001585	0.085864	µg/m ³	V0
Cobalt	0.000005	0.000059	µg/m ³	V0
Nickel	0.000015	0.000376	µg/m ³	V0
Copper	0.000027	0.000552	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000100	µg/m ³	V0
Strontium	0.000012	0.000295	µg/m ³	V0
Niobium	0.000006	0.000412	µg/m ³	V0
Molybdenum	0.000025	0.000218	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000091	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000123	µg/m ³	V0
Antimony	0.000016	0.000111	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001716	µg/m ³	V0
Lanthanum	0.000004	0.000046	µg/m ³	V0
Cerium	0.000013	0.000095	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000039	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.003076	µg/m ³	V0
Tungsten	0.000005	0.002853	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000237	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401365
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.6	°C	
Pressure		723.2	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Lithium	0.000016	0.000188	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004974	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.079618	µg/m ³	V0
Phosphorus	0.003480	0.028925	µg/m ³	V0
Potassium	0.000402	0.007005	µg/m ³	V0
Calcium	0.013042	0.024565	µg/m ³	V0
Titanium	0.000031	0.001183	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000536	µg/m ³	V0
Manganese	0.000028	0.000302	µg/m ³	V0
Iron	0.001585	0.012511	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000237	µg/m ³	V0
Copper	0.000027	0.000110	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000018	µg/m ³	V0
Strontium	0.000012	0.000077	µg/m ³	V0
Niobium	0.000006	0.000114	µg/m ³	V0
Molybdenum	0.000025	0.000026	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000059	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000198	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000739	µg/m ³	V0
Tungsten	0.000005	0.000068	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000146	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220401371
Start Date:	2022-04-17 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-04-18 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		743.3	mmHg	
Particulate Matter	0.042	5.208	µg/m ³	V0
Lithium	0.000016	0.000223	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.048013	µg/m ³	V0
Magnesium	0.000279	0.036157	µg/m ³	V0
Aluminum	0.002800	0.134770	µg/m ³	V0
Silicon	0.010200	0.332019	µg/m ³	V0
Phosphorus	0.003480	0.023702	µg/m ³	V0
Potassium	0.000402	0.045866	µg/m ³	V0
Calcium	0.013042	0.121236	µg/m ³	V0
Titanium	0.000031	0.007456	µg/m ³	V0
Vanadium	0.000018	0.000072	µg/m ³	V0
Chromium	0.000045	0.000993	µg/m ³	V0
Manganese	0.000028	0.003530	µg/m ³	V0
Iron	0.001585	0.155387	µg/m ³	V0
Cobalt	0.000005	0.000104	µg/m ³	V0
Nickel	0.000015	0.000367	µg/m ³	V0
Copper	0.000027	0.000244	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000213	µg/m ³	V0
Strontium	0.000012	0.000587	µg/m ³	V0
Niobium	0.000006	0.000071	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000091	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.001230	µg/m ³	V0
Lanthanum	0.000004	0.000090	µg/m ³	V0
Cerium	0.000013	0.000194	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000087	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000353	µg/m ³	V0
Tungsten	0.000005	0.000085	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000408	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000032	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401392
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.3	°C	
Pressure		744.5	mmHg	
Particulate Matter	0.042	6.208	µg/m ³	V0
Lithium	0.000016	0.000148	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.044145	µg/m ³	V0
Magnesium	0.000279	0.012767	µg/m ³	V0
Aluminum	0.002800	0.056991	µg/m ³	V0
Silicon	0.010200	0.172410	µg/m ³	V0
Phosphorus	0.003480	0.025248	µg/m ³	V0
Potassium	0.000402	0.042561	µg/m ³	V0
Calcium	0.013042	0.074569	µg/m ³	V0
Titanium	0.000031	0.003569	µg/m ³	V0
Vanadium	0.000018	0.000373	µg/m ³	V0
Chromium	0.000045	0.000714	µg/m ³	V0
Manganese	0.000028	0.001008	µg/m ³	V0
Iron	0.001585	0.048925	µg/m ³	V0
Cobalt	0.000005	0.000070	µg/m ³	V0
Nickel	0.000015	0.000368	µg/m ³	V0
Copper	0.000027	0.000437	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000138	µg/m ³	V0
Strontium	0.000012	0.000313	µg/m ³	V0
Niobium	0.000006	0.000194	µg/m ³	V0
Molybdenum	0.000025	0.000146	µg/m ³	V0
Palladium	0.000050	0.000056	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000152	µg/m ³	V0
Antimony	0.000016	0.000080	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.001384	µg/m ³	V0
Lanthanum	0.000004	0.000044	µg/m ³	V0
Cerium	0.000013	0.000091	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000037	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.001169	µg/m ³	V0
Tungsten	0.000005	0.000144	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000402	µg/m ³	V0
Bismuth	0.000004	0.000022	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401397
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.6	°C	
Pressure		741.6	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Lithium	0.000016	0.000048	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.068500	µg/m ³	V0
Magnesium	0.000279	0.014042	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.042467	µg/m ³	V0
Phosphorus	0.003480	0.024438	µg/m ³	V0
Potassium	0.000402	0.009950	µg/m ³	V0
Calcium	0.013042	0.025521	µg/m ³	V0
Titanium	0.000031	0.000911	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000832	µg/m ³	V0
Manganese	0.000028	0.000236	µg/m ³	V0
Iron	0.001585	0.011283	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000271	µg/m ³	V0
Copper	0.000027	0.000076	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000014	µg/m ³	V0
Strontium	0.000012	0.000162	µg/m ³	V0
Niobium	0.000006	0.000091	µg/m ³	V0
Molybdenum	0.000025	0.000047	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000061	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000547	µg/m ³	V0
Tungsten	0.000005	0.000072	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000255	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401402
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.6	°C	
Pressure		734.5	mmHg	
Particulate Matter	0.042	4.458	µg/m ³	V0
Lithium	0.000016	0.000136	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.024407	µg/m ³	V0
Magnesium	0.000279	0.003875	µg/m ³	V0
Aluminum	0.002800	0.013881	µg/m ³	V0
Silicon	0.010200	0.149230	µg/m ³	V0
Phosphorus	0.003480	0.024544	µg/m ³	V0
Potassium	0.000402	0.013720	µg/m ³	V0
Calcium	0.013042	0.052854	µg/m ³	V0
Titanium	0.000031	0.001996	µg/m ³	V0
Vanadium	0.000018	0.000185	µg/m ³	V0
Chromium	0.000045	0.000593	µg/m ³	V0
Manganese	0.000028	0.000647	µg/m ³	V0
Iron	0.001585	0.023693	µg/m ³	V0
Cobalt	0.000005	0.000051	µg/m ³	V0
Nickel	0.000015	0.000402	µg/m ³	V0
Copper	0.000027	0.000273	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000046	µg/m ³	V0
Strontium	0.000012	0.000159	µg/m ³	V0
Niobium	0.000006	0.000285	µg/m ³	V0
Molybdenum	0.000025	0.000116	µg/m ³	V0
Palladium	0.000050	0.000067	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000193	µg/m ³	V0
Antimony	0.000016	0.000079	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000473	µg/m ³	V0
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000036	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001488	µg/m ³	V0
Tungsten	0.000005	0.000182	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000038	µg/m ³	V0
Lead	0.000018	0.000222	µg/m ³	V0
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401417
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.5	°C	
Pressure		721.4	mmHg	
Particulate Matter	0.042	3.667	µg/m ³	V0
Lithium	0.000016	0.000066	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013797	µg/m ³	V0
Magnesium	0.000279	0.003656	µg/m ³	V0
Aluminum	0.002800	0.025141	µg/m ³	V0
Silicon	0.010200	0.172313	µg/m ³	V0
Phosphorus	0.003480	0.026567	µg/m ³	V0
Potassium	0.000402	0.008364	µg/m ³	V0
Calcium	0.013042	0.048520	µg/m ³	V0
Titanium	0.000031	0.002047	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000560	µg/m ³	V0
Manganese	0.000028	0.000424	µg/m ³	V0
Iron	0.001585	0.025765	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000314	µg/m ³	V0
Copper	0.000027	0.000127	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000051	µg/m ³	V0
Strontium	0.000012	0.000160	µg/m ³	V0
Niobium	0.000006	0.000182	µg/m ³	V0
Molybdenum	0.000025	0.000101	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000066	µg/m ³	V0
Antimony	0.000016	0.000043	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000411	µg/m ³	V0
Lanthanum	0.000004	0.000021	µg/m ³	V0
Cerium	0.000013	0.000043	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000914	µg/m ³	V0
Tungsten	0.000005	0.000245	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000179	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220401837
Start Date:	2022-04-20 14:25	End Date:	2022-04-20 14:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.018691	µg/m ³	V0
Potassium	0.000402	0.002497	µg/m ³	V0
Calcium	0.013042	0.020330	µg/m ³	V0
Titanium	0.000031	0.000672	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001791	µg/m ³	V0
Manganese	0.000028	0.000214	µg/m ³	V0
Iron	0.001585	0.010086	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000754	µg/m ³	V0
Copper	0.000027	0.001429	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000019	µg/m ³	V0
Niobium	0.000006	0.000123	µg/m ³	V0
Molybdenum	0.000025	0.000103	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000020	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000095	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000633	µg/m ³	V0
Tungsten	0.000005	0.000191	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220401432
Start Date:	2022-04-23 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-04-24 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.0	°C	
Pressure		741.4	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013772	µg/m ³	V0
Magnesium	0.000279	0.001856	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.070132	µg/m ³	V0
Phosphorus	0.003480	0.024091	µg/m ³	V0
Potassium	0.000402	0.010200	µg/m ³	V0
Calcium	0.013042	0.021985	µg/m ³	V0
Titanium	0.000031	0.001434	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000555	µg/m ³	V0
Manganese	0.000028	0.000313	µg/m ³	V0
Iron	0.001585	0.014180	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000229	µg/m ³	V0
Copper	0.000027	0.000049	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000021	µg/m ³	V0
Strontium	0.000012	0.000112	µg/m ³	V0
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	0.000054	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000100	µg/m ³	V0
Antimony	0.000016	0.000019	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000202	µg/m ³	V0
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000026	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000542	µg/m ³	V0
Tungsten	0.000005	0.000093	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000341	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401865
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.1	°C	
Pressure		714.3	mmHg	
Particulate Matter	0.042	3.917	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007720	µg/m ³	V0
Magnesium	0.000279	0.012530	µg/m ³	V0
Aluminum	0.002800	0.021480	µg/m ³	V0
Silicon	0.010200	0.145030	µg/m ³	V0
Phosphorus	0.003480	0.019550	µg/m ³	V0
Potassium	0.000402	0.023280	µg/m ³	V0
Calcium	0.013042	0.058390	µg/m ³	V0
Titanium	0.000031	0.003130	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000970	µg/m ³	V0
Manganese	0.000028	0.000780	µg/m ³	V0
Iron	0.001585	0.036950	µg/m ³	V0
Cobalt	0.000005	0.000060	µg/m ³	V0
Nickel	0.000015	0.000470	µg/m ³	V0
Copper	0.000027	0.000150	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000030	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000080	µg/m ³	V0
Strontium	0.000012	0.000210	µg/m ³	V0
Niobium	0.000006	0.000080	µg/m ³	V0
Molybdenum	0.000025	0.000060	µg/m ³	V0
Palladium	0.000050	0.000100	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000130	µg/m ³	V0
Antimony	0.000016	0.000020	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.000380	µg/m ³	V0
Lanthanum	0.000004	0.000030	µg/m ³	V0
Cerium	0.000013	0.000050	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000020	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000770	µg/m ³	V0
Tungsten	0.000005	0.000130	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000080	µg/m ³	V0
Lead	0.000018	0.000190	µg/m ³	V0
Bismuth	0.000004	0.000040	µg/m ³	V0
Thorium	0.000002	0.000020	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401877
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

Low sample volume and short sampling duration due to power outage.(85140/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.6	m ³	V6
Temperature		9.0	°C	
Pressure		722.3	mmHg	
Particulate Matter	0.042	5.297	µg/m ³	V0
Lithium	0.000016	0.000024	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009333	µg/m ³	V0
Magnesium	0.000279	0.004764	µg/m ³	V0
Aluminum	0.002800	0.016303	µg/m ³	V0
Silicon	0.010200	0.141015	µg/m ³	V0
Phosphorus	0.003480	0.022283	µg/m ³	V0
Potassium	0.000402	0.023500	µg/m ³	V0
Calcium	0.013042	0.040518	µg/m ³	V0
Titanium	0.000031	0.002102	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001061	µg/m ³	V0
Manganese	0.000028	0.000681	µg/m ³	V0
Iron	0.001585	0.031359	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000359	µg/m ³	V0
Copper	0.000027	0.000950	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000052	µg/m ³	V0
Strontium	0.000012	0.000174	µg/m ³	V0
Niobium	0.000006	0.000180	µg/m ³	V0
Molybdenum	0.000025	0.000200	µg/m ³	V0
Palladium	0.000050	0.000070	µg/m ³	V0
Silver	0.000006	0.000062	µg/m ³	V0
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.000273	µg/m ³	V0
Antimony	0.000016	0.000747	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000324	µg/m ³	V0
Lanthanum	0.000004	0.000026	µg/m ³	V0
Cerium	0.000013	0.000047	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000856	µg/m ³	V0
Tungsten	0.000005	0.000412	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000552	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401889	
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.0	°C	
Pressure		742.0	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Lithium	0.000016	0.000113	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017030	µg/m ³	V0
Magnesium	0.000279	0.016467	µg/m ³	V0
Aluminum	0.002800	0.087149	µg/m ³	V0
Silicon	0.010200	0.233232	µg/m ³	V0
Phosphorus	0.003480	0.021972	µg/m ³	V0
Potassium	0.000402	0.033683	µg/m ³	V0
Calcium	0.013042	0.107830	µg/m ³	V0
Titanium	0.000031	0.004828	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000745	µg/m ³	V0
Manganese	0.000028	0.001973	µg/m ³	V0
Iron	0.001585	0.083165	µg/m ³	V0
Cobalt	0.000005	0.000068	µg/m ³	V0
Nickel	0.000015	0.000283	µg/m ³	V0
Copper	0.000027	0.000259	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000133	µg/m ³	V0
Strontium	0.000012	0.000415	µg/m ³	V0
Niobium	0.000006	0.000094	µg/m ³	V0
Molybdenum	0.000025	0.000130	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000114	µg/m ³	V0
Antimony	0.000016	0.000063	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000810	µg/m ³	V0
Lanthanum	0.000004	0.000056	µg/m ³	V0
Cerium	0.000013	0.000098	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000045	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000487	µg/m ³	V0
Tungsten	0.000005	0.000142	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000311	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401916
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.9	°C	
Pressure		720.7	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Lithium	0.000016	0.000020	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006465	µg/m ³	V0
Magnesium	0.000279	0.001960	µg/m ³	V0
Aluminum	0.002800	0.008785	µg/m ³	V0
Silicon	0.010200	0.115832	µg/m ³	V0
Phosphorus	0.003480	0.017874	µg/m ³	V0
Potassium	0.000402	0.019845	µg/m ³	V0
Calcium	0.013042	0.037924	µg/m ³	V0
Titanium	0.000031	0.001687	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001004	µg/m ³	V0
Manganese	0.000028	0.000487	µg/m ³	V0
Iron	0.001585	0.023355	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000368	µg/m ³	V0
Copper	0.000027	0.000141	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000034	µg/m ³	V0
Strontium	0.000012	0.000143	µg/m ³	V0
Niobium	0.000006	0.000064	µg/m ³	V0
Molybdenum	0.000025	0.000088	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000217	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000214	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000030	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000423	µg/m ³	V0
Tungsten	0.000005	0.000065	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000175	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401922
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.4	°C	
Pressure		743.2	mmHg	
Particulate Matter	0.042	8.000	µg/m ³	V0
Lithium	0.000016	0.000120	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.036850	µg/m ³	V0
Magnesium	0.000279	0.026070	µg/m ³	V0
Aluminum	0.002800	0.102180	µg/m ³	V0
Silicon	0.010200	0.277270	µg/m ³	V0
Phosphorus	0.003480	0.020290	µg/m ³	V0
Potassium	0.000402	0.082290	µg/m ³	V0
Calcium	0.013042	0.150580	µg/m ³	V0
Titanium	0.000031	0.005530	µg/m ³	V0
Vanadium	0.000018	0.001180	µg/m ³	V0
Chromium	0.000045	0.000770	µg/m ³	V0
Manganese	0.000028	0.001870	µg/m ³	V0
Iron	0.001585	0.091400	µg/m ³	V0
Cobalt	0.000005	0.000110	µg/m ³	V0
Nickel	0.000015	0.000470	µg/m ³	V0
Copper	0.000027	0.000470	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000250	µg/m ³	V0
Strontium	0.000012	0.000570	µg/m ³	V0
Niobium	0.000006	0.000070	µg/m ³	V0
Molybdenum	0.000025	0.000250	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000030	µg/m ³	V0
Tin	0.000008	0.000380	µg/m ³	V0
Antimony	0.000016	0.000110	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001640	µg/m ³	V0
Lanthanum	0.000004	0.000070	µg/m ³	V0
Cerium	0.000013	0.000130	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000060	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000390	µg/m ³	V0
Tungsten	0.000005	0.000200	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000470	µg/m ³	V0
Bismuth	0.000004	0.000030	µg/m ³	V0
Thorium	0.000002	0.000020	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401926
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.4	°C	
Pressure		733.5	mmHg	
Particulate Matter	0.042	6.917	µg/m ³	V0
Lithium	0.000016	0.000100	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027843	µg/m ³	V0
Magnesium	0.000279	0.021369	µg/m ³	V0
Aluminum	0.002800	0.084237	µg/m ³	V0
Silicon	0.010200	0.355740	µg/m ³	V0
Phosphorus	0.003480	0.021830	µg/m ³	V0
Potassium	0.000402	0.043381	µg/m ³	V0
Calcium	0.013042	0.146727	µg/m ³	V0
Titanium	0.000031	0.007365	µg/m ³	V0
Vanadium	0.000018	0.000952	µg/m ³	V0
Chromium	0.000045	0.001165	µg/m ³	V0
Manganese	0.000028	0.001835	µg/m ³	V0
Iron	0.001585	0.088871	µg/m ³	V0
Cobalt	0.000005	0.000097	µg/m ³	V0
Nickel	0.000015	0.000581	µg/m ³	V0
Copper	0.000027	0.000240	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000150	µg/m ³	V0
Strontium	0.000012	0.000466	µg/m ³	V0
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	0.000189	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000145	µg/m ³	V0
Antimony	0.000016	0.000070	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.001119	µg/m ³	V0
Lanthanum	0.000004	0.000065	µg/m ³	V0
Cerium	0.000013	0.000116	µg/m ³	V0
Praseodymium	0.000002	0.000013	µg/m ³	V0
Neodymium	0.000005	0.000053	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000429	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000325	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220401975
Start Date:	2022-04-26 14:10	End Date:	2022-04-26 14:11	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.224589	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.020749	µg/m ³	V0
Potassium	0.000402	0.000725	µg/m ³	V0
Calcium	0.013042	0.015684	µg/m ³	V0
Titanium	0.000031	0.000352	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000360	µg/m ³	V0
Manganese	0.000028	0.000105	µg/m ³	V0
Iron	0.001585	0.003156	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000213	µg/m ³	V0
Copper	0.000027	0.000034	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000081	µg/m ³	V0
Molybdenum	0.000025	0.000038	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000136	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000597	µg/m ³	V0
Tungsten	0.000005	0.000136	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401968
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.9	°C	
Pressure		740.4	mmHg	
Particulate Matter	0.042	10.333	µg/m ³	V0
Lithium	0.000016	0.000396	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.079326	µg/m ³	V0
Magnesium	0.000279	0.062475	µg/m ³	V0
Aluminum	0.002800	0.251441	µg/m ³	V0
Silicon	0.010200	0.904278	µg/m ³	V0
Phosphorus	0.003480	0.025916	µg/m ³	V0
Potassium	0.000402	0.090381	µg/m ³	V0
Calcium	0.013042	0.389768	µg/m ³	V0
Titanium	0.000031	0.012679	µg/m ³	V0
Vanadium	0.000018	0.001982	µg/m ³	V0
Chromium	0.000045	0.000992	µg/m ³	V0
Manganese	0.000028	0.002831	µg/m ³	V0
Iron	0.001585	0.143985	µg/m ³	V0
Cobalt	0.000005	0.000150	µg/m ³	V0
Nickel	0.000015	0.000565	µg/m ³	V0
Copper	0.000027	0.000337	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000460	µg/m ³	V0
Strontium	0.000012	0.001174	µg/m ³	V0
Niobium	0.000006	0.000126	µg/m ³	V0
Molybdenum	0.000025	0.000285	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000168	µg/m ³	V0
Antimony	0.000016	0.000100	µg/m ³	V0
Cesium	0.000004	0.000025	µg/m ³	V0
Barium	0.000054	0.002938	µg/m ³	V0
Lanthanum	0.000004	0.000147	µg/m ³	V0
Cerium	0.000013	0.000320	µg/m ³	V0
Praseodymium	0.000002	0.000038	µg/m ³	V0
Neodymium	0.000005	0.000140	µg/m ³	V0
Samarium	0.000006	0.000026	µg/m ³	V0
Tantalum	0.000003	0.000464	µg/m ³	V0
Tungsten	0.000005	0.000170	µg/m ³	V0
Platinum	0.000004	0.000538	µg/m ³	V4
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000246	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000047	µg/m ³	V0
Uranium	0.000003	0.000015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401977
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.2	°C	
Pressure		719.5	mmHg	
Particulate Matter	0.042	1.208	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006120	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.025205	µg/m ³	V0
Phosphorus	0.003480	0.019655	µg/m ³	V0
Potassium	0.000402	0.008879	µg/m ³	V0
Calcium	0.013042	0.021565	µg/m ³	V0
Titanium	0.000031	0.000735	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001217	µg/m ³	V0
Manganese	0.000028	0.000204	µg/m ³	V0
Iron	0.001585	0.011966	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000395	µg/m ³	V0
Copper	0.000027	0.000075	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000038	µg/m ³	V0
Niobium	0.000006	0.000073	µg/m ³	V0
Molybdenum	0.000025	0.000332	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000178	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000434	µg/m ³	V0
Tungsten	0.000005	0.000069	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000070	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401985
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.8	°C	
Pressure		730.7	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Lithium	0.000016	0.000029	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.025754	µg/m ³	V0
Magnesium	0.000279	0.004726	µg/m ³	V0
Aluminum	0.002800	0.018326	µg/m ³	V0
Silicon	0.010200	0.118396	µg/m ³	V0
Phosphorus	0.003480	0.025124	µg/m ³	V0
Potassium	0.000402	0.015193	µg/m ³	V0
Calcium	0.013042	0.049799	µg/m ³	V0
Titanium	0.000031	0.002658	µg/m ³	V0
Vanadium	0.000018	0.002670	µg/m ³	V0
Chromium	0.000045	0.000926	µg/m ³	V0
Manganese	0.000028	0.000918	µg/m ³	V0
Iron	0.001585	0.026877	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000562	µg/m ³	V0
Copper	0.000027	0.000578	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000045	µg/m ³	V0
Strontium	0.000012	0.000176	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000427	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000068	µg/m ³	V0
Antimony	0.000016	0.000205	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000368	µg/m ³	V0
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000049	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000461	µg/m ³	V0
Tungsten	0.000005	0.000057	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000228	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401988
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.1	°C	
Pressure		711.7	mmHg	
Particulate Matter	0.042	0.667	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005457	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.018255	µg/m ³	V0
Potassium	0.000402	0.003556	µg/m ³	V0
Calcium	0.013042	0.025414	µg/m ³	V0
Titanium	0.000031	0.000506	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000634	µg/m ³	V0
Manganese	0.000028	0.000353	µg/m ³	V0
Iron	0.001585	0.019647	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000332	µg/m ³	V0
Copper	0.000027	0.000037	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000041	µg/m ³	V0
Niobium	0.000006	0.000070	µg/m ³	V0
Molybdenum	0.000025	0.000038	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000271	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000481	µg/m ³	V0
Tungsten	0.000005	0.000080	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000035	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00
		Set Index:	1
		WBEA ID:	220401996
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.5	°C	
Pressure		717.7	mmHg	
Particulate Matter	0.042	1.792	µg/m ³	V0
Lithium	0.000016	0.000031	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012375	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	0.007943	µg/m ³	V0
Silicon	0.010200	0.046436	µg/m ³	V0
Phosphorus	0.003480	0.019819	µg/m ³	V0
Potassium	0.000402	0.009644	µg/m ³	V0
Calcium	0.013042	0.034789	µg/m ³	V0
Titanium	0.000031	0.001227	µg/m ³	V0
Vanadium	0.000018	0.000070	µg/m ³	V0
Chromium	0.000045	0.000685	µg/m ³	V0
Manganese	0.000028	0.000435	µg/m ³	V0
Iron	0.001585	0.018327	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000369	µg/m ³	V0
Copper	0.000027	0.000150	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000025	µg/m ³	V0
Strontium	0.000012	0.000101	µg/m ³	V0
Niobium	0.000006	0.000044	µg/m ³	V0
Molybdenum	0.000025	0.000080	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000077	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000069	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000329	µg/m ³	V0
Tungsten	0.000005	0.000045	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000112	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220402030	
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.5	°C	
Pressure		739.3	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Lithium	0.000016	0.000117	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032691	µg/m ³	V0
Magnesium	0.000279	0.016094	µg/m ³	V0
Aluminum	0.002800	0.081043	µg/m ³	V0
Silicon	0.010200	0.145300	µg/m ³	V0
Phosphorus	0.003480	0.019277	µg/m ³	V0
Potassium	0.000402	0.028348	µg/m ³	V0
Calcium	0.013042	0.070417	µg/m ³	V0
Titanium	0.000031	0.003955	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001147	µg/m ³	V0
Manganese	0.000028	0.001343	µg/m ³	V0
Iron	0.001585	0.061940	µg/m ³	V0
Cobalt	0.000005	0.000064	µg/m ³	V0
Nickel	0.000015	0.000598	µg/m ³	V0
Copper	0.000027	0.000254	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000108	µg/m ³	V0
Strontium	0.000012	0.000373	µg/m ³	V0
Niobium	0.000006	0.000433	µg/m ³	V0
Molybdenum	0.000025	0.000614	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000210	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000187	µg/m ³	V0
Antimony	0.000016	0.000172	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000506	µg/m ³	V0
Lanthanum	0.000004	0.000045	µg/m ³	V0
Cerium	0.000013	0.000096	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000041	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.004066	µg/m ³	V0
Tungsten	0.000005	0.003686	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000296	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220502104
Start Date:	2022-05-03 15:45	End Date:	2022-05-03 15:46	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000052	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003139	µg/m ³	V0
Aluminum	0.002800	0.007804	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.031822	µg/m ³	V0
Potassium	0.000402	0.004463	µg/m ³	V0
Calcium	0.013042	0.018451	µg/m ³	V0
Titanium	0.000031	0.000747	µg/m ³	V0
Vanadium	0.000018	0.000020	µg/m ³	V0
Chromium	0.000045	0.000812	µg/m ³	V0
Manganese	0.000028	0.000136	µg/m ³	V0
Iron	0.001585	0.008810	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000230	µg/m ³	V0
Copper	0.000027	0.000164	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000004	µg/m ³	V0
Strontium	0.000012	0.000031	µg/m ³	V0
Niobium	0.000006	0.000062	µg/m ³	V0
Molybdenum	0.000025	0.000056	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000104	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000084	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000314	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502060
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.4	°C	
Pressure		708.4	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Lithium	0.000016	0.000077	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006576	µg/m ³	V0
Magnesium	0.000279	0.010626	µg/m ³	V0
Aluminum	0.002800	0.028005	µg/m ³	V0
Silicon	0.010200	0.038966	µg/m ³	V0
Phosphorus	0.003480	0.032368	µg/m ³	V0
Potassium	0.000402	0.018841	µg/m ³	V0
Calcium	0.013042	0.038428	µg/m ³	V0
Titanium	0.000031	0.002793	µg/m ³	V0
Vanadium	0.000018	0.000074	µg/m ³	V0
Chromium	0.000045	0.002190	µg/m ³	V0
Manganese	0.000028	0.000656	µg/m ³	V0
Iron	0.001585	0.030521	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000808	µg/m ³	V0
Copper	0.000027	0.000539	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000034	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000038	µg/m ³	V0
Strontium	0.000012	0.000134	µg/m ³	V0
Niobium	0.000006	0.000063	µg/m ³	V0
Molybdenum	0.000025	0.000103	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000127	µg/m ³	V0
Antimony	0.000016	0.000063	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000344	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000235	µg/m ³	V0
Tungsten	0.000005	0.000098	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000163	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502066
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		729.7	mmHg	
Particulate Matter	0.042	10.667	µg/m ³	V0
Lithium	0.000016	0.000288	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.147452	µg/m ³	V4
Magnesium	0.000279	0.111031	µg/m ³	V0
Aluminum	0.002800	0.226471	µg/m ³	V0
Silicon	0.010200	0.611118	µg/m ³	V0
Phosphorus	0.003480	0.039107	µg/m ³	V0
Potassium	0.000402	0.092502	µg/m ³	V0
Calcium	0.013042	0.506207	µg/m ³	V0
Titanium	0.000031	0.011848	µg/m ³	V0
Vanadium	0.000018	0.000870	µg/m ³	V0
Chromium	0.000045	0.000828	µg/m ³	V0
Manganese	0.000028	0.007570	µg/m ³	V0
Iron	0.001585	0.451395	µg/m ³	V4
Cobalt	0.000005	0.000414	µg/m ³	V4
Nickel	0.000015	0.000425	µg/m ³	V0
Copper	0.000027	0.000987	µg/m ³	V0
Zinc	0.000149	0.003590	µg/m ³	V0
Arsenic	0.000005	0.000085	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000397	µg/m ³	V0
Strontium	0.000012	0.001613	µg/m ³	V0
Niobium	0.000006	0.000104	µg/m ³	V0
Molybdenum	0.000025	0.000096	µg/m ³	V0
Palladium	0.000050	0.000056	µg/m ³	V0
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000292	µg/m ³	V0
Antimony	0.000016	0.000318	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.005488	µg/m ³	V4
Lanthanum	0.000004	0.000197	µg/m ³	V0
Cerium	0.000013	0.000410	µg/m ³	V0
Praseodymium	0.000002	0.000047	µg/m ³	V0
Neodymium	0.000005	0.000180	µg/m ³	V0
Samarium	0.000006	0.000034	µg/m ³	V0
Tantalum	0.000003	0.000265	µg/m ³	V0
Tungsten	0.000005	0.001000	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000303	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000049	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502081
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.0	°C	
Pressure		720.5	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Lithium	0.000016	0.000097	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.022319	µg/m ³	V0
Magnesium	0.000279	0.020937	µg/m ³	V0
Aluminum	0.002800	0.067497	µg/m ³	V0
Silicon	0.010200	0.116327	µg/m ³	V0
Phosphorus	0.003480	0.032930	µg/m ³	V0
Potassium	0.000402	0.027153	µg/m ³	V0
Calcium	0.013042	0.074961	µg/m ³	V0
Titanium	0.000031	0.002536	µg/m ³	V0
Vanadium	0.000018	0.000162	µg/m ³	V0
Chromium	0.000045	0.001547	µg/m ³	V0
Manganese	0.000028	0.001113	µg/m ³	V0
Iron	0.001585	0.065169	µg/m ³	V0
Cobalt	0.000005	0.000076	µg/m ³	V0
Nickel	0.000015	0.000473	µg/m ³	V0
Copper	0.000027	0.000420	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000058	µg/m ³	V0
Selenium	0.000133	0.000134	µg/m ³	V0
Rubidium	0.000003	0.000081	µg/m ³	V0
Strontium	0.000012	0.000274	µg/m ³	V0
Niobium	0.000006	0.000093	µg/m ³	V0
Molybdenum	0.000025	0.000096	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000177	µg/m ³	V0
Antimony	0.000016	0.000192	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001310	µg/m ³	V0
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000071	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000028	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000374	µg/m ³	V0
Tungsten	0.000005	0.000164	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000197	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502108
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.2	°C	
Pressure		728.3	mmHg	
Particulate Matter	0.042	9.625	µg/m ³	V0
Lithium	0.000016	0.000293	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032631	µg/m ³	V0
Magnesium	0.000279	0.047012	µg/m ³	V0
Aluminum	0.002800	0.188688	µg/m ³	V0
Silicon	0.010200	0.433444	µg/m ³	V0
Phosphorus	0.003480	0.036144	µg/m ³	V0
Potassium	0.000402	0.069415	µg/m ³	V0
Calcium	0.013042	0.287966	µg/m ³	V0
Titanium	0.000031	0.008555	µg/m ³	V0
Vanadium	0.000018	0.005483	µg/m ³	V4
Chromium	0.000045	0.000978	µg/m ³	V0
Manganese	0.000028	0.004532	µg/m ³	V0
Iron	0.001585	0.191110	µg/m ³	V0
Cobalt	0.000005	0.000160	µg/m ³	V0
Nickel	0.000015	0.000974	µg/m ³	V0
Copper	0.000027	0.003602	µg/m ³	V0
Zinc	0.000149	0.002520	µg/m ³	V0
Arsenic	0.000005	0.000112	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000321	µg/m ³	V0
Strontium	0.000012	0.000897	µg/m ³	V0
Niobium	0.000006	0.000105	µg/m ³	V0
Molybdenum	0.000025	0.000589	µg/m ³	V0
Palladium	0.000050	0.000064	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000499	µg/m ³	V0
Antimony	0.000016	0.000115	µg/m ³	V0
Cesium	0.000004	0.000018	µg/m ³	V0
Barium	0.000054	0.002064	µg/m ³	V0
Lanthanum	0.000004	0.000126	µg/m ³	V0
Cerium	0.000013	0.000276	µg/m ³	V0
Praseodymium	0.000002	0.000033	µg/m ³	V0
Neodymium	0.000005	0.000132	µg/m ³	V0
Samarium	0.000006	0.000026	µg/m ³	V0
Tantalum	0.000003	0.000422	µg/m ³	V0
Tungsten	0.000005	0.000154	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000294	µg/m ³	V0
Bismuth	0.000004	0.000039	µg/m ³	V0
Thorium	0.000002	0.000037	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502135
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.8	°C	
Pressure		701.8	mmHg	
Particulate Matter	0.042	3.333	µg/m ³	V0
Lithium	0.000016	0.000079	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011034	µg/m ³	V0
Magnesium	0.000279	0.018344	µg/m ³	V0
Aluminum	0.002800	0.046817	µg/m ³	V0
Silicon	0.010200	0.086277	µg/m ³	V0
Phosphorus	0.003480	0.029817	µg/m ³	V0
Potassium	0.000402	0.024284	µg/m ³	V0
Calcium	0.013042	0.052633	µg/m ³	V0
Titanium	0.000031	0.002367	µg/m ³	V0
Vanadium	0.000018	0.000119	µg/m ³	V0
Chromium	0.000045	0.001196	µg/m ³	V0
Manganese	0.000028	0.001259	µg/m ³	V0
Iron	0.001585	0.059771	µg/m ³	V0
Cobalt	0.000005	0.000047	µg/m ³	V0
Nickel	0.000015	0.000444	µg/m ³	V0
Copper	0.000027	0.000214	µg/m ³	V0
Zinc	0.000149	0.001516	µg/m ³	V0
Arsenic	0.000005	0.000056	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000080	µg/m ³	V0
Strontium	0.000012	0.000255	µg/m ³	V0
Niobium	0.000006	0.000283	µg/m ³	V0
Molybdenum	0.000025	0.000174	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000035	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000199	µg/m ³	V0
Antimony	0.000016	0.000146	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001463	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000066	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000027	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000577	µg/m ³	V0
Tungsten	0.000005	0.000611	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000178	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502143
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		709.9	mmHg	
Particulate Matter	0.042	2.125	µg/m ³	V0
Lithium	0.000016	0.000074	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005442	µg/m ³	V0
Magnesium	0.000279	0.010039	µg/m ³	V0
Aluminum	0.002800	0.025938	µg/m ³	V0
Silicon	0.010200	0.024719	µg/m ³	V0
Phosphorus	0.003480	0.026862	µg/m ³	V0
Potassium	0.000402	0.018061	µg/m ³	V0
Calcium	0.013042	0.037414	µg/m ³	V0
Titanium	0.000031	0.001386	µg/m ³	V0
Vanadium	0.000018	0.000062	µg/m ³	V0
Chromium	0.000045	0.000764	µg/m ³	V0
Manganese	0.000028	0.000563	µg/m ³	V0
Iron	0.001585	0.022563	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000208	µg/m ³	V0
Copper	0.000027	0.000125	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000074	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000040	µg/m ³	V0
Strontium	0.000012	0.000128	µg/m ³	V0
Niobium	0.000006	0.000822	µg/m ³	V0
Molybdenum	0.000025	0.000418	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000113	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000277	µg/m ³	V0
Antimony	0.000016	0.000454	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000365	µg/m ³	V0
Lanthanum	0.000004	0.000019	µg/m ³	V0
Cerium	0.000013	0.000031	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002821	µg/m ³	V0
Tungsten	0.000005	0.005446	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000354	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220502147
Start Date:	2022-05-06 10:00	End Date:	2022-05-06 10:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.333	µg/m ³	V0
Lithium	0.000016	0.000037	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002840	µg/m ³	V0
Aluminum	0.002800	0.005481	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.032083	µg/m ³	V0
Potassium	0.000402	0.007888	µg/m ³	V0
Calcium	0.013042	0.019659	µg/m ³	V0
Titanium	0.000031	0.000779	µg/m ³	V0
Vanadium	0.000018	0.000020	µg/m ³	V0
Chromium	0.000045	0.001235	µg/m ³	V0
Manganese	0.000028	0.000151	µg/m ³	V0
Iron	0.001585	0.010070	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000474	µg/m ³	V0
Copper	0.000027	0.000040	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000018	µg/m ³	V0
Niobium	0.000006	0.000129	µg/m ³	V0
Molybdenum	0.000025	0.000083	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000289	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000438	µg/m ³	V0
Tungsten	0.000005	0.000194	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000051	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502153
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.5	°C	
Pressure		729.6	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Lithium	0.000016	0.000091	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032619	µg/m ³	V0
Magnesium	0.000279	0.023952	µg/m ³	V0
Aluminum	0.002800	0.063719	µg/m ³	V0
Silicon	0.010200	0.144628	µg/m ³	V0
Phosphorus	0.003480	0.039472	µg/m ³	V0
Potassium	0.000402	0.033399	µg/m ³	V0
Calcium	0.013042	0.074204	µg/m ³	V0
Titanium	0.000031	0.002974	µg/m ³	V0
Vanadium	0.000018	0.000219	µg/m ³	V0
Chromium	0.000045	0.001091	µg/m ³	V0
Manganese	0.000028	0.001192	µg/m ³	V0
Iron	0.001585	0.058986	µg/m ³	V0
Cobalt	0.000005	0.000068	µg/m ³	V0
Nickel	0.000015	0.000484	µg/m ³	V0
Copper	0.000027	0.002069	µg/m ³	V0
Zinc	0.000149	0.002465	µg/m ³	V0
Arsenic	0.000005	0.000738	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000085	µg/m ³	V0
Strontium	0.000012	0.000279	µg/m ³	V0
Niobium	0.000006	0.000171	µg/m ³	V0
Molybdenum	0.000025	0.000133	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000335	µg/m ³	V0
Antimony	0.000016	0.000150	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.001293	µg/m ³	V0
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000082	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000032	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000480	µg/m ³	V0
Tungsten	0.000005	0.000346	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000213	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502177
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.6	°C	
Pressure		737.8	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Lithium	0.000016	0.000383	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.043886	µg/m ³	V0
Magnesium	0.000279	0.054550	µg/m ³	V0
Aluminum	0.002800	0.237267	µg/m ³	V0
Silicon	0.010200	0.361840	µg/m ³	V0
Phosphorus	0.003480	0.028204	µg/m ³	V0
Potassium	0.000402	0.070134	µg/m ³	V0
Calcium	0.013042	0.260043	µg/m ³	V0
Titanium	0.000031	0.010565	µg/m ³	V0
Vanadium	0.000018	0.001132	µg/m ³	V0
Chromium	0.000045	0.004320	µg/m ³	V0
Manganese	0.000028	0.003866	µg/m ³	V0
Iron	0.001585	0.212835	µg/m ³	V0
Cobalt	0.000005	0.000159	µg/m ³	V0
Nickel	0.000015	0.000540	µg/m ³	V0
Copper	0.000027	0.000334	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000039	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000362	µg/m ³	V0
Strontium	0.000012	0.001025	µg/m ³	V0
Niobium	0.000006	0.000133	µg/m ³	V0
Molybdenum	0.000025	0.000364	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000339	µg/m ³	V0
Antimony	0.000016	0.000038	µg/m ³	V0
Cesium	0.000004	0.000022	µg/m ³	V0
Barium	0.000054	0.002355	µg/m ³	V0
Lanthanum	0.000004	0.000154	µg/m ³	V0
Cerium	0.000013	0.000332	µg/m ³	V0
Praseodymium	0.000002	0.000039	µg/m ³	V0
Neodymium	0.000005	0.000146	µg/m ³	V0
Samarium	0.000006	0.000027	µg/m ³	V0
Tantalum	0.000003	0.000309	µg/m ³	V0
Tungsten	0.000005	0.000190	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000190	µg/m ³	V0
Bismuth	0.000004	0.000149	µg/m ³	V0
Thorium	0.000002	0.000047	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502187
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.3	°C	
Pressure		739.2	mmHg	
Particulate Matter	0.042	2.333	µg/m ³	V0
Lithium	0.000016	0.000088	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.026975	µg/m ³	V0
Magnesium	0.000279	0.020089	µg/m ³	V0
Aluminum	0.002800	0.045912	µg/m ³	V0
Silicon	0.010200	0.092399	µg/m ³	V0
Phosphorus	0.003480	0.033639	µg/m ³	V0
Potassium	0.000402	0.021128	µg/m ³	V0
Calcium	0.013042	0.056556	µg/m ³	V0
Titanium	0.000031	0.002532	µg/m ³	V0
Vanadium	0.000018	0.000203	µg/m ³	V0
Chromium	0.000045	0.002513	µg/m ³	V0
Manganese	0.000028	0.001175	µg/m ³	V0
Iron	0.001585	0.068038	µg/m ³	V0
Cobalt	0.000005	0.000076	µg/m ³	V0
Nickel	0.000015	0.000441	µg/m ³	V0
Copper	0.000027	0.000538	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000053	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000065	µg/m ³	V0
Strontium	0.000012	0.000265	µg/m ³	V0
Niobium	0.000006	0.000099	µg/m ³	V0
Molybdenum	0.000025	0.000458	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000253	µg/m ³	V0
Antimony	0.000016	0.000185	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001927	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000064	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000026	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000376	µg/m ³	V0
Tungsten	0.000005	0.000186	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000157	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502201
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

Short sample duration and low sample volume due to power failure.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2
Temperature		2.4	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	-9999	µg/m ³	M2
Lithium	0.000016	-9999	µg/m ³	M2
Beryllium	0.000013	-9999	µg/m ³	M2
Sodium	0.000777	-9999	µg/m ³	M2
Magnesium	0.000279	-9999	µg/m ³	M2
Aluminum	0.002800	-9999	µg/m ³	M2
Silicon	0.010200	-9999	µg/m ³	M2
Phosphorus	0.003480	-9999	µg/m ³	M2
Potassium	0.000402	-9999	µg/m ³	M2
Calcium	0.013042	-9999	µg/m ³	M2
Titanium	0.000031	-9999	µg/m ³	M2
Vanadium	0.000018	-9999	µg/m ³	M2
Chromium	0.000045	-9999	µg/m ³	M2
Manganese	0.000028	-9999	µg/m ³	M2
Iron	0.001585	-9999	µg/m ³	M2
Cobalt	0.000005	-9999	µg/m ³	M2
Nickel	0.000015	-9999	µg/m ³	M2
Copper	0.000027	-9999	µg/m ³	M2
Zinc	0.000149	-9999	µg/m ³	M2
Arsenic	0.000005	-9999	µg/m ³	M2
Selenium	0.000133	-9999	µg/m ³	M2
Rubidium	0.000003	-9999	µg/m ³	M2
Strontium	0.000012	-9999	µg/m ³	M2
Niobium	0.000006	-9999	µg/m ³	M2
Molybdenum	0.000025	-9999	µg/m ³	M2
Palladium	0.000050	-9999	µg/m ³	M2
Silver	0.000006	-9999	µg/m ³	M2
Cadmium	0.000011	-9999	µg/m ³	M2
Tin	0.000008	-9999	µg/m ³	M2
Antimony	0.000016	-9999	µg/m ³	M2
Cesium	0.000004	-9999	µg/m ³	M2
Barium	0.000054	-9999	µg/m ³	M2
Lanthanum	0.000004	-9999	µg/m ³	M2
Cerium	0.000013	-9999	µg/m ³	M2
Praseodymium	0.000002	-9999	µg/m ³	M2
Neodymium	0.000005	-9999	µg/m ³	M2
Samarium	0.000006	-9999	µg/m ³	M2
Tantalum	0.000003	-9999	µg/m ³	M2
Tungsten	0.000005	-9999	µg/m ³	M2
Platinum	0.000004	-9999	µg/m ³	M2
Thallium	0.000005	-9999	µg/m ³	M2
Lead	0.000018	-9999	µg/m ³	M2
Bismuth	0.000004	-9999	µg/m ³	M2
Thorium	0.000002	-9999	µg/m ³	M2
Uranium	0.000003	-9999	µg/m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502207
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.2	°C	
Pressure		710.9	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Lithium	0.000016	0.000145	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.019168	µg/m ³	V0
Magnesium	0.000279	0.020292	µg/m ³	V0
Aluminum	0.002800	0.051917	µg/m ³	V0
Silicon	0.010200	0.127054	µg/m ³	V0
Phosphorus	0.003480	0.030317	µg/m ³	V0
Potassium	0.000402	0.025109	µg/m ³	V0
Calcium	0.013042	0.058559	µg/m ³	V0
Titanium	0.000031	0.001851	µg/m ³	V0
Vanadium	0.000018	0.000175	µg/m ³	V0
Chromium	0.000045	0.000627	µg/m ³	V0
Manganese	0.000028	0.001302	µg/m ³	V0
Iron	0.001585	0.069993	µg/m ³	V0
Cobalt	0.000005	0.000056	µg/m ³	V0
Nickel	0.000015	0.000265	µg/m ³	V0
Copper	0.000027	0.000524	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000211	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000080	µg/m ³	V0
Strontium	0.000012	0.000251	µg/m ³	V0
Niobium	0.000006	0.000364	µg/m ³	V0
Molybdenum	0.000025	0.000104	µg/m ³	V0
Palladium	0.000050	0.000098	µg/m ³	V0
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000107	µg/m ³	V0
Antimony	0.000016	0.000067	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000650	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000071	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000031	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.001187	µg/m ³	V0
Tungsten	0.000005	0.000339	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000059	µg/m ³	V0
Lead	0.000018	0.000130	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502213
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.5	°C	
Pressure		719.0	mmHg	
Particulate Matter	0.042	1.583	µg/m ³	V0
Lithium	0.000016	0.000124	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014309	µg/m ³	V0
Magnesium	0.000279	0.008830	µg/m ³	V0
Aluminum	0.002800	0.019604	µg/m ³	V0
Silicon	0.010200	0.020054	µg/m ³	V0
Phosphorus	0.003480	0.032546	µg/m ³	V0
Potassium	0.000402	0.015753	µg/m ³	V0
Calcium	0.013042	0.034207	µg/m ³	V0
Titanium	0.000031	0.001178	µg/m ³	V0
Vanadium	0.000018	0.000113	µg/m ³	V0
Chromium	0.000045	0.001797	µg/m ³	V0
Manganese	0.000028	0.000391	µg/m ³	V0
Iron	0.001585	0.029199	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000456	µg/m ³	V0
Copper	0.000027	0.000491	µg/m ³	V0
Zinc	0.000149	0.002876	µg/m ³	V0
Arsenic	0.000005	0.000132	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000032	µg/m ³	V0
Strontium	0.000012	0.000115	µg/m ³	V0
Niobium	0.000006	0.000223	µg/m ³	V0
Molybdenum	0.000025	0.000149	µg/m ³	V0
Palladium	0.000050	0.000070	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000286	µg/m ³	V0
Antimony	0.000016	0.000307	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000300	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000704	µg/m ³	V0
Tungsten	0.000005	0.000214	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000040	µg/m ³	V0
Lead	0.000018	0.000153	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502221
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.7	°C	
Pressure		717.1	mmHg	
Particulate Matter	0.042	1.042	µg/m ³	V0
Lithium	0.000016	0.000126	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012018	µg/m ³	V0
Magnesium	0.000279	0.010482	µg/m ³	V0
Aluminum	0.002800	0.023960	µg/m ³	V0
Silicon	0.010200	0.037820	µg/m ³	V0
Phosphorus	0.003480	0.029332	µg/m ³	V0
Potassium	0.000402	0.013745	µg/m ³	V0
Calcium	0.013042	0.022993	µg/m ³	V0
Titanium	0.000031	0.001075	µg/m ³	V0
Vanadium	0.000018	0.000058	µg/m ³	V0
Chromium	0.000045	0.001051	µg/m ³	V0
Manganese	0.000028	0.000462	µg/m ³	V0
Iron	0.001585	0.022869	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000438	µg/m ³	V0
Copper	0.000027	0.000125	µg/m ³	V0
Zinc	0.000149	0.003070	µg/m ³	V0
Arsenic	0.000005	0.000039	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.000123	µg/m ³	V0
Niobium	0.000006	0.000134	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000115	µg/m ³	V0
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000303	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000026	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000559	µg/m ³	V0
Tungsten	0.000005	0.000138	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000121	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502228
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

Field Flag: 'V', Invalid sample (Void).
Field Flag: 'P', Power failure during sampling.
Sample did not run due to power failure.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502243
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.7	°C	
Pressure		735.1	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Lithium	0.000016	0.000384	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.020515	µg/m ³	V0
Magnesium	0.000279	0.043531	µg/m ³	V0
Aluminum	0.002800	0.184865	µg/m ³	V0
Silicon	0.010200	0.377106	µg/m ³	V0
Phosphorus	0.003480	0.032612	µg/m ³	V0
Potassium	0.000402	0.059475	µg/m ³	V0
Calcium	0.013042	0.209487	µg/m ³	V0
Titanium	0.000031	0.007749	µg/m ³	V0
Vanadium	0.000018	0.000948	µg/m ³	V0
Chromium	0.000045	0.001066	µg/m ³	V0
Manganese	0.000028	0.004394	µg/m ³	V0
Iron	0.001585	0.161169	µg/m ³	V0
Cobalt	0.000005	0.000136	µg/m ³	V0
Nickel	0.000015	0.000694	µg/m ³	V0
Copper	0.000027	0.000878	µg/m ³	V0
Zinc	0.000149	0.004239	µg/m ³	V0
Arsenic	0.000005	0.000146	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000296	µg/m ³	V0
Strontium	0.000012	0.000848	µg/m ³	V0
Niobium	0.000006	0.000235	µg/m ³	V0
Molybdenum	0.000025	0.000227	µg/m ³	V0
Palladium	0.000050	0.000081	µg/m ³	V0
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000143	µg/m ³	V0
Antimony	0.000016	0.000088	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.001844	µg/m ³	V0
Lanthanum	0.000004	0.000117	µg/m ³	V0
Cerium	0.000013	0.000257	µg/m ³	V0
Praseodymium	0.000002	0.000031	µg/m ³	V0
Neodymium	0.000005	0.000111	µg/m ³	V0
Samarium	0.000006	0.000023	µg/m ³	V0
Tantalum	0.000003	0.000672	µg/m ³	V0
Tungsten	0.000005	0.000202	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.000213	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000036	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502262
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.9	°C	
Pressure		736.8	mmHg	
Particulate Matter	0.042	2.083	µg/m ³	V0
Lithium	0.000016	0.000131	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001760	µg/m ³	V0
Magnesium	0.000279	0.007323	µg/m ³	V0
Aluminum	0.002800	0.020101	µg/m ³	V0
Silicon	0.010200	0.087635	µg/m ³	V0
Phosphorus	0.003480	0.032313	µg/m ³	V0
Potassium	0.000402	0.011221	µg/m ³	V0
Calcium	0.013042	0.029278	µg/m ³	V0
Titanium	0.000031	0.001009	µg/m ³	V0
Vanadium	0.000018	0.000076	µg/m ³	V0
Chromium	0.000045	0.000423	µg/m ³	V0
Manganese	0.000028	0.000412	µg/m ³	V0
Iron	0.001585	0.019088	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000203	µg/m ³	V0
Copper	0.000027	0.000423	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000092	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000024	µg/m ³	V0
Strontium	0.000012	0.000099	µg/m ³	V0
Niobium	0.000006	0.000230	µg/m ³	V0
Molybdenum	0.000025	0.000076	µg/m ³	V0
Palladium	0.000050	0.000063	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000097	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000638	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000035	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000881	µg/m ³	V0
Tungsten	0.000005	0.000206	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000027	µg/m ³	V0
Lead	0.000018	0.000064	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502269
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.8	°C	
Pressure		726.4	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Lithium	0.000016	0.000128	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003471	µg/m ³	V0
Magnesium	0.000279	0.009448	µg/m ³	V0
Aluminum	0.002800	0.023496	µg/m ³	V0
Silicon	0.010200	0.067070	µg/m ³	V0
Phosphorus	0.003480	0.038968	µg/m ³	V0
Potassium	0.000402	0.015100	µg/m ³	V0
Calcium	0.013042	0.033188	µg/m ³	V0
Titanium	0.000031	0.001514	µg/m ³	V0
Vanadium	0.000018	0.000164	µg/m ³	V0
Chromium	0.000045	0.001006	µg/m ³	V0
Manganese	0.000028	0.000565	µg/m ³	V0
Iron	0.001585	0.030566	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000172	µg/m ³	V0
Copper	0.000027	0.000506	µg/m ³	V0
Zinc	0.000149	0.000179	µg/m ³	V0
Arsenic	0.000005	0.000061	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000038	µg/m ³	V0
Strontium	0.000012	0.000137	µg/m ³	V0
Niobium	0.000006	0.000169	µg/m ³	V0
Molybdenum	0.000025	0.000105	µg/m ³	V0
Palladium	0.000050	0.000082	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000250	µg/m ³	V0
Antimony	0.000016	0.000099	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000851	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000043	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000678	µg/m ³	V0
Tungsten	0.000005	0.000183	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000120	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502281
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.3	°C	
Pressure		709.1	mmHg	
Particulate Matter	0.042	1.458	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006729	µg/m ³	V0
Magnesium	0.000279	0.013668	µg/m ³	V0
Aluminum	0.002800	0.034415	µg/m ³	V0
Silicon	0.010200	0.044372	µg/m ³	V0
Phosphorus	0.003480	0.025259	µg/m ³	V0
Potassium	0.000402	0.017355	µg/m ³	V0
Calcium	0.013042	0.044387	µg/m ³	V0
Titanium	0.000031	0.001762	µg/m ³	V0
Vanadium	0.000018	0.000085	µg/m ³	V0
Chromium	0.000045	0.002105	µg/m ³	V0
Manganese	0.000028	0.000698	µg/m ³	V0
Iron	0.001585	0.031660	µg/m ³	V0
Cobalt	0.000005	0.000057	µg/m ³	V0
Nickel	0.000015	0.000908	µg/m ³	V0
Copper	0.000027	0.000140	µg/m ³	V0
Zinc	0.000149	0.000681	µg/m ³	V0
Arsenic	0.000005	0.000018	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000047	µg/m ³	V0
Strontium	0.000012	0.000176	µg/m ³	V0
Niobium	0.000006	0.000078	µg/m ³	V0
Molybdenum	0.000025	0.000093	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000032	µg/m ³	V0
Tin	0.000008	0.000210	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000838	µg/m ³	V0
Lanthanum	0.000004	0.000022	µg/m ³	V0
Cerium	0.000013	0.000046	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000020	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000294	µg/m ³	V0
Tungsten	0.000005	0.000115	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000085	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502287
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.9	°C	
Pressure		717.1	mmHg	
Particulate Matter	0.042	1.375	µg/m ³	V0
Lithium	0.000016	0.000067	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003888	µg/m ³	V0
Aluminum	0.002800	0.012143	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.020030	µg/m ³	V0
Potassium	0.000402	0.008117	µg/m ³	V0
Calcium	0.013042	0.023282	µg/m ³	V0
Titanium	0.000031	0.000766	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000521	µg/m ³	V0
Manganese	0.000028	0.000329	µg/m ³	V0
Iron	0.001585	0.010695	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000289	µg/m ³	V0
Copper	0.000027	0.000267	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000016	µg/m ³	V0
Strontium	0.000012	0.000064	µg/m ³	V0
Niobium	0.000006	0.000057	µg/m ³	V0
Molybdenum	0.000025	0.000041	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000208	µg/m ³	V0
Antimony	0.000016	0.000024	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000164	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000226	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000044	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502292
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.6	°C	
Pressure		715.1	mmHg	
Particulate Matter	0.042	1.542	µg/m ³	V0
Lithium	0.000016	0.000052	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.000951	µg/m ³	V0
Magnesium	0.000279	0.007178	µg/m ³	V0
Aluminum	0.002800	0.021062	µg/m ³	V0
Silicon	0.010200	0.038722	µg/m ³	V0
Phosphorus	0.003480	0.023793	µg/m ³	V0
Potassium	0.000402	0.012525	µg/m ³	V0
Calcium	0.013042	0.025065	µg/m ³	V0
Titanium	0.000031	0.001019	µg/m ³	V0
Vanadium	0.000018	0.000237	µg/m ³	V0
Chromium	0.000045	0.004042	µg/m ³	V0
Manganese	0.000028	0.000564	µg/m ³	V0
Iron	0.001585	0.042573	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000342	µg/m ³	V0
Copper	0.000027	0.000363	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000008	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000026	µg/m ³	V0
Strontium	0.000012	0.000111	µg/m ³	V0
Niobium	0.000006	0.000684	µg/m ³	V0
Molybdenum	0.000025	0.000791	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000221	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000307	µg/m ³	V0
Antimony	0.000016	0.000264	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000199	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000026	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.007162	µg/m ³	V0
Tungsten	0.000005	0.007241	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000074	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220502304
Start Date:	2022-05-19 08:16	End Date:	2022-05-19 08:17	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Lithium	0.000016	0.000035	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002830	µg/m ³	V0
Aluminum	0.002800	0.005171	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.022804	µg/m ³	V0
Potassium	0.000402	0.003933	µg/m ³	V0
Calcium	0.013042	0.016802	µg/m ³	V0
Titanium	0.000031	0.000474	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000484	µg/m ³	V0
Manganese	0.000028	0.000060	µg/m ³	V0
Iron	0.001585	0.004227	µg/m ³	V0
Cobalt	0.000005	0.000014	µg/m ³	V0
Nickel	0.000015	0.000107	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000020	µg/m ³	V0
Niobium	0.000006	0.000224	µg/m ³	V0
Molybdenum	0.000025	0.000194	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000035	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000117	µg/m ³	V0
Antimony	0.000016	0.000048	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000068	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000672	µg/m ³	V0
Tungsten	0.000005	0.000610	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502306
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.4	°C	
Pressure		716.1	mmHg	
Particulate Matter	0.042	1.125	µg/m ³	V0
Lithium	0.000016	0.000052	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004649	µg/m ³	V0
Magnesium	0.000279	0.008526	µg/m ³	V0
Aluminum	0.002800	0.024969	µg/m ³	V0
Silicon	0.010200	0.049348	µg/m ³	V0
Phosphorus	0.003480	0.025409	µg/m ³	V0
Potassium	0.000402	0.013710	µg/m ³	V0
Calcium	0.013042	0.047319	µg/m ³	V0
Titanium	0.000031	0.001352	µg/m ³	V0
Vanadium	0.000018	0.000079	µg/m ³	V0
Chromium	0.000045	0.000660	µg/m ³	V0
Manganese	0.000028	0.000355	µg/m ³	V0
Iron	0.001585	0.018473	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000279	µg/m ³	V0
Copper	0.000027	0.000084	µg/m ³	V0
Zinc	0.000149	0.000880	µg/m ³	V0
Arsenic	0.000005	0.000010	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.000124	µg/m ³	V0
Niobium	0.000006	0.000100	µg/m ³	V0
Molybdenum	0.000025	0.000245	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000251	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000225	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000354	µg/m ³	V0
Tungsten	0.000005	0.000193	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000082	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502322
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.2	°C	
Pressure		738.3	mmHg	
Particulate Matter	0.042	7.833	µg/m ³	V0
Lithium	0.000016	0.000369	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.038098	µg/m ³	V0
Magnesium	0.000279	0.072229	µg/m ³	V0
Aluminum	0.002800	0.285339	µg/m ³	V0
Silicon	0.010200	0.598501	µg/m ³	V0
Phosphorus	0.003480	0.023359	µg/m ³	V0
Potassium	0.000402	0.090587	µg/m ³	V0
Calcium	0.013042	0.431883	µg/m ³	V0
Titanium	0.000031	0.013424	µg/m ³	V0
Vanadium	0.000018	0.001584	µg/m ³	V0
Chromium	0.000045	0.000979	µg/m ³	V0
Manganese	0.000028	0.003723	µg/m ³	V0
Iron	0.001585	0.215306	µg/m ³	V0
Cobalt	0.000005	0.000299	µg/m ³	V0
Nickel	0.000015	0.001036	µg/m ³	V0
Copper	0.000027	0.000649	µg/m ³	V0
Zinc	0.000149	0.001458	µg/m ³	V0
Arsenic	0.000005	0.000055	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000478	µg/m ³	V0
Strontium	0.000012	0.001260	µg/m ³	V0
Niobium	0.000006	0.000140	µg/m ³	V0
Molybdenum	0.000025	0.000226	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000302	µg/m ³	V0
Antimony	0.000016	0.000117	µg/m ³	V0
Cesium	0.000004	0.000029	µg/m ³	V0
Barium	0.000054	0.003059	µg/m ³	V0
Lanthanum	0.000004	0.000176	µg/m ³	V0
Cerium	0.000013	0.000381	µg/m ³	V0
Praseodymium	0.000002	0.000046	µg/m ³	V0
Neodymium	0.000005	0.000175	µg/m ³	V0
Samarium	0.000006	0.000033	µg/m ³	V0
Tantalum	0.000003	0.000413	µg/m ³	V0
Tungsten	0.000005	0.000447	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000194	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000052	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00
		Set Index:	1
		WBEA ID:	220502331
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.2	°C	
Pressure		728.9	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Lithium	0.000016	0.000103	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007756	µg/m ³	V0
Magnesium	0.000279	0.013586	µg/m ³	V0
Aluminum	0.002800	0.064316	µg/m ³	V0
Silicon	0.010200	0.086790	µg/m ³	V0
Phosphorus	0.003480	0.022918	µg/m ³	V0
Potassium	0.000402	0.033166	µg/m ³	V0
Calcium	0.013042	0.103686	µg/m ³	V0
Titanium	0.000031	0.002791	µg/m ³	V0
Vanadium	0.000018	0.001055	µg/m ³	V0
Chromium	0.000045	0.000637	µg/m ³	V0
Manganese	0.000028	0.000813	µg/m ³	V0
Iron	0.001585	0.042948	µg/m ³	V0
Cobalt	0.000005	0.000048	µg/m ³	V0
Nickel	0.000015	0.000381	µg/m ³	V0
Copper	0.000027	0.002956	µg/m ³	V0
Zinc	0.000149	0.002569	µg/m ³	V0
Arsenic	0.000005	0.000045	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000108	µg/m ³	V0
Strontium	0.000012	0.000284	µg/m ³	V0
Niobium	0.000006	0.000081	µg/m ³	V0
Molybdenum	0.000025	0.000188	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000300	µg/m ³	V0
Antimony	0.000016	0.006792	µg/m ³	V4
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000713	µg/m ³	V0
Lanthanum	0.000004	0.000033	µg/m ³	V0
Cerium	0.000013	0.000075	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000031	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000309	µg/m ³	V0
Tungsten	0.000005	0.000126	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000505	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502347
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.6	°C	
Pressure		709.4	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Lithium	0.000016	0.000046	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002957	µg/m ³	V0
Magnesium	0.000279	0.010576	µg/m ³	V0
Aluminum	0.002800	0.026458	µg/m ³	V0
Silicon	0.010200	0.028987	µg/m ³	V0
Phosphorus	0.003480	0.023968	µg/m ³	V0
Potassium	0.000402	0.018203	µg/m ³	V0
Calcium	0.013042	0.045430	µg/m ³	V0
Titanium	0.000031	0.001629	µg/m ³	V0
Vanadium	0.000018	0.000061	µg/m ³	V0
Chromium	0.000045	0.000823	µg/m ³	V0
Manganese	0.000028	0.000554	µg/m ³	V0
Iron	0.001585	0.021083	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000521	µg/m ³	V0
Copper	0.000027	0.000072	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000015	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000037	µg/m ³	V0
Strontium	0.000012	0.000133	µg/m ³	V0
Niobium	0.000006	0.000060	µg/m ³	V0
Molybdenum	0.000025	0.000053	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000113	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000357	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000277	µg/m ³	V0
Tungsten	0.000005	0.000095	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000117	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502353	
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.4	°C	
Pressure		737.0	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Lithium	0.000016	0.000268	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013333	µg/m ³	V0
Magnesium	0.000279	0.027246	µg/m ³	V0
Aluminum	0.002800	0.138010	µg/m ³	V0
Silicon	0.010200	0.253379	µg/m ³	V0
Phosphorus	0.003480	0.029258	µg/m ³	V0
Potassium	0.000402	0.036431	µg/m ³	V0
Calcium	0.013042	0.181960	µg/m ³	V0
Titanium	0.000031	0.006107	µg/m ³	V0
Vanadium	0.000018	0.000403	µg/m ³	V0
Chromium	0.000045	0.001987	µg/m ³	V0
Manganese	0.000028	0.002653	µg/m ³	V0
Iron	0.001585	0.138072	µg/m ³	V0
Cobalt	0.000005	0.000112	µg/m ³	V0
Nickel	0.000015	0.000944	µg/m ³	V0
Copper	0.000027	0.000955	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000029	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000195	µg/m ³	V0
Strontium	0.000012	0.000593	µg/m ³	V0
Niobium	0.000006	0.000106	µg/m ³	V0
Molybdenum	0.000025	0.000098	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000206	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.001295	µg/m ³	V0
Lanthanum	0.000004	0.000088	µg/m ³	V0
Cerium	0.000013	0.000195	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000085	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000344	µg/m ³	V0
Tungsten	0.000005	0.000209	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000128	µg/m ³	V0
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	0.000026	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502372
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.2	°C	
Pressure		717.7	mmHg	
Particulate Matter	0.042	1.708	µg/m ³	V0
Lithium	0.000016	0.000113	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003970	µg/m ³	V0
Aluminum	0.002800	0.013642	µg/m ³	V0
Silicon	0.010200	0.066057	µg/m ³	V0
Phosphorus	0.003480	0.027631	µg/m ³	V0
Potassium	0.000402	0.013492	µg/m ³	V0
Calcium	0.013042	0.022374	µg/m ³	V0
Titanium	0.000031	0.000913	µg/m ³	V0
Vanadium	0.000018	0.000135	µg/m ³	V0
Chromium	0.000045	0.001060	µg/m ³	V0
Manganese	0.000028	0.000339	µg/m ³	V0
Iron	0.001585	0.015862	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000328	µg/m ³	V0
Copper	0.000027	0.000704	µg/m ³	V0
Zinc	0.000149	0.000436	µg/m ³	V0
Arsenic	0.000005	0.001401	µg/m ³	V4
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000023	µg/m ³	V0
Strontium	0.000012	0.000078	µg/m ³	V0
Niobium	0.000006	0.000874	µg/m ³	V0
Molybdenum	0.000025	0.000171	µg/m ³	V0
Palladium	0.000050	0.000124	µg/m ³	V0
Silver	0.000006	0.000047	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000224	µg/m ³	V0
Antimony	0.000016	0.000590	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000329	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.006649	µg/m ³	V0
Tungsten	0.000005	0.001065	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000100	µg/m ³	V0
Lead	0.000018	0.000186	µg/m ³	V0
Bismuth	0.000004	0.000044	µg/m ³	V0
Thorium	0.000002	0.000031	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502315
Start Date:	2022-05-24 00:00	End Date:	2022-05-25 00:00	Duration:	24.0 hr

Notes

Sample deployed on day after NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.1	°C	
Pressure		740.1	mmHg	
Particulate Matter	0.042	1.125	µg/m ³	V0
Lithium	0.000016	0.000107	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009595	µg/m ³	V0
Magnesium	0.000279	0.007245	µg/m ³	V0
Aluminum	0.002800	0.019545	µg/m ³	V0
Silicon	0.010200	0.029965	µg/m ³	V0
Phosphorus	0.003480	0.028557	µg/m ³	V0
Potassium	0.000402	0.013947	µg/m ³	V0
Calcium	0.013042	0.020746	µg/m ³	V0
Titanium	0.000031	0.001263	µg/m ³	V0
Vanadium	0.000018	0.000040	µg/m ³	V0
Chromium	0.000045	0.000995	µg/m ³	V0
Manganese	0.000028	0.000257	µg/m ³	V0
Iron	0.001585	0.015655	µg/m ³	V0
Cobalt	0.000005	0.000047	µg/m ³	V0
Nickel	0.000015	0.000360	µg/m ³	V0
Copper	0.000027	0.000181	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000021	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000028	µg/m ³	V0
Strontium	0.000012	0.000104	µg/m ³	V0
Niobium	0.000006	0.000092	µg/m ³	V0
Molybdenum	0.000025	0.000057	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000096	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000180	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000419	µg/m ³	V0
Tungsten	0.000005	0.000092	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000113	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220502395
Start Date:	2022-05-24 11:50	End Date:	2022-05-24 11:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Lithium	0.000016	0.000035	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002703	µg/m ³	V0
Aluminum	0.002800	0.004719	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.029874	µg/m ³	V0
Potassium	0.000402	0.004456	µg/m ³	V0
Calcium	0.013042	0.020377	µg/m ³	V0
Titanium	0.000031	0.000561	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001294	µg/m ³	V0
Manganese	0.000028	0.000148	µg/m ³	V0
Iron	0.001585	0.008906	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000775	µg/m ³	V0
Copper	0.000027	0.000054	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000023	µg/m ³	V0
Niobium	0.000006	0.000083	µg/m ³	V0
Molybdenum	0.000025	0.000096	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000156	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000065	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000319	µg/m ³	V0
Tungsten	0.000005	0.000146	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502388
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.9	°C	
Pressure		703.8	mmHg	
Particulate Matter	0.042	1.750	µg/m ³	V0
Lithium	0.000016	0.000026	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004410	µg/m ³	V0
Magnesium	0.000279	0.004614	µg/m ³	V0
Aluminum	0.002800	0.008473	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.024244	µg/m ³	V0
Potassium	0.000402	0.004943	µg/m ³	V0
Calcium	0.013042	0.013374	µg/m ³	V0
Titanium	0.000031	0.000854	µg/m ³	V0
Vanadium	0.000018	0.000021	µg/m ³	V0
Chromium	0.000045	0.001041	µg/m ³	V0
Manganese	0.000028	0.000230	µg/m ³	V0
Iron	0.001585	0.011607	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000404	µg/m ³	V0
Copper	0.000027	0.000168	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000009	µg/m ³	V0
Strontium	0.000012	0.000041	µg/m ³	V0
Niobium	0.000006	0.000085	µg/m ³	V0
Molybdenum	0.000025	0.000459	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000112	µg/m ³	V0
Antimony	0.000016	0.000063	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000094	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000375	µg/m ³	V0
Tungsten	0.000005	0.000142	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000021	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502407
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		711.2	mmHg	
Particulate Matter	0.042	1.875	µg/m ³	V0
Lithium	0.000016	0.000026	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002532	µg/m ³	V0
Magnesium	0.000279	0.004815	µg/m ³	V0
Aluminum	0.002800	0.010223	µg/m ³	V0
Silicon	0.010200	0.015218	µg/m ³	V0
Phosphorus	0.003480	0.033256	µg/m ³	V0
Potassium	0.000402	0.014079	µg/m ³	V0
Calcium	0.013042	0.018635	µg/m ³	V0
Titanium	0.000031	0.000886	µg/m ³	V0
Vanadium	0.000018	0.000031	µg/m ³	V0
Chromium	0.000045	0.000618	µg/m ³	V0
Manganese	0.000028	0.000256	µg/m ³	V0
Iron	0.001585	0.016038	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000262	µg/m ³	V0
Copper	0.000027	0.000126	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000029	µg/m ³	V0
Strontium	0.000012	0.000057	µg/m ³	V0
Niobium	0.000006	0.000096	µg/m ³	V0
Molybdenum	0.000025	0.000083	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000148	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000179	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000463	µg/m ³	V0
Tungsten	0.000005	0.000153	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000028	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Anzac	Samp Use: Exposure	WBEA ID: 220502412
Start Date:	2022-05-29 00:00	Loc ID: ANZC	Duration: 24.0 hr
		End Date: 2022-05-30 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		709.7	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.004437	µg/m ³	V0
Aluminum	0.002800	0.011145	µg/m ³	V0
Silicon	0.010200	0.027429	µg/m ³	V0
Phosphorus	0.003480	0.031808	µg/m ³	V0
Potassium	0.000402	0.021691	µg/m ³	V0
Calcium	0.013042	0.017415	µg/m ³	V0
Titanium	0.000031	0.000822	µg/m ³	V0
Vanadium	0.000018	0.000036	µg/m ³	V0
Chromium	0.000045	0.000851	µg/m ³	V0
Manganese	0.000028	0.000384	µg/m ³	V0
Iron	0.001585	0.014721	µg/m ³	V0
Cobalt	0.000005	0.000038	µg/m ³	V0
Nickel	0.000015	0.000312	µg/m ³	V0
Copper	0.000027	0.000053	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000008	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000059	µg/m ³	V0
Strontium	0.000012	0.000061	µg/m ³	V0
Niobium	0.000006	0.000074	µg/m ³	V0
Molybdenum	0.000025	0.000050	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000098	µg/m ³	V0
Antimony	0.000016	0.000043	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000194	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000366	µg/m ³	V0
Tungsten	0.000005	0.000099	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000044	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502420	
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		730.0	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Lithium	0.000016	0.000096	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004583	µg/m ³	V0
Magnesium	0.000279	0.012236	µg/m ³	V0
Aluminum	0.002800	0.062035	µg/m ³	V0
Silicon	0.010200	0.144292	µg/m ³	V0
Phosphorus	0.003480	0.024246	µg/m ³	V0
Potassium	0.000402	0.020311	µg/m ³	V0
Calcium	0.013042	0.052976	µg/m ³	V0
Titanium	0.000031	0.003623	µg/m ³	V0
Vanadium	0.000018	0.000358	µg/m ³	V0
Chromium	0.000045	0.002351	µg/m ³	V0
Manganese	0.000028	0.001097	µg/m ³	V0
Iron	0.001585	0.072956	µg/m ³	V0
Cobalt	0.000005	0.000063	µg/m ³	V0
Nickel	0.000015	0.000391	µg/m ³	V0
Copper	0.000027	0.000105	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000031	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000091	µg/m ³	V0
Strontium	0.000012	0.000235	µg/m ³	V0
Niobium	0.000006	0.000086	µg/m ³	V0
Molybdenum	0.000025	0.000167	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000155	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000814	µg/m ³	V0
Lanthanum	0.000004	0.000041	µg/m ³	V0
Cerium	0.000013	0.000089	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000038	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000355	µg/m ³	V0
Tungsten	0.000005	0.000120	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000074	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502436
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.0	°C	
Pressure		731.5	mmHg	
Particulate Matter	0.042	3.583	µg/m ³	V0
Lithium	0.000016	0.000074	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002382	µg/m ³	V0
Magnesium	0.000279	0.008160	µg/m ³	V0
Aluminum	0.002800	0.043015	µg/m ³	V0
Silicon	0.010200	0.152198	µg/m ³	V0
Phosphorus	0.003480	0.027048	µg/m ³	V0
Potassium	0.000402	0.022827	µg/m ³	V0
Calcium	0.013042	0.037454	µg/m ³	V0
Titanium	0.000031	0.001680	µg/m ³	V0
Vanadium	0.000018	0.000201	µg/m ³	V0
Chromium	0.000045	0.001496	µg/m ³	V0
Manganese	0.000028	0.000901	µg/m ³	V0
Iron	0.001585	0.036969	µg/m ³	V0
Cobalt	0.000005	0.000053	µg/m ³	V0
Nickel	0.000015	0.000576	µg/m ³	V0
Copper	0.000027	0.000600	µg/m ³	V0
Zinc	0.000149	0.001458	µg/m ³	V0
Arsenic	0.000005	0.000047	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000065	µg/m ³	V0
Strontium	0.000012	0.000147	µg/m ³	V0
Niobium	0.000006	0.000080	µg/m ³	V0
Molybdenum	0.000025	0.000121	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000148	µg/m ³	V0
Antimony	0.000016	0.000131	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000665	µg/m ³	V0
Lanthanum	0.000004	0.000021	µg/m ³	V0
Cerium	0.000013	0.000046	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000353	µg/m ³	V0
Tungsten	0.000005	0.000107	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000080	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502443
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.0	°C	
Pressure		722.3	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Lithium	0.000016	0.000111	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.008010	µg/m ³	V0
Aluminum	0.002800	0.048809	µg/m ³	V0
Silicon	0.010200	0.131286	µg/m ³	V0
Phosphorus	0.003480	0.026060	µg/m ³	V0
Potassium	0.000402	0.014468	µg/m ³	V0
Calcium	0.013042	0.032940	µg/m ³	V0
Titanium	0.000031	0.002510	µg/m ³	V0
Vanadium	0.000018	0.000371	µg/m ³	V0
Chromium	0.000045	0.000611	µg/m ³	V0
Manganese	0.000028	0.000531	µg/m ³	V0
Iron	0.001585	0.035374	µg/m ³	V0
Cobalt	0.000005	0.000046	µg/m ³	V0
Nickel	0.000015	0.000377	µg/m ³	V0
Copper	0.000027	0.000250	µg/m ³	V0
Zinc	0.000149	0.000965	µg/m ³	V0
Arsenic	0.000005	0.000061	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000057	µg/m ³	V0
Strontium	0.000012	0.000162	µg/m ³	V0
Niobium	0.000006	0.000121	µg/m ³	V0
Molybdenum	0.000025	0.000091	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000348	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000551	µg/m ³	V0
Lanthanum	0.000004	0.000026	µg/m ³	V0
Cerium	0.000013	0.000055	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000026	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000399	µg/m ³	V0
Tungsten	0.000005	0.000235	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000055	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502451
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

Field Flag: 'V', Invalid sample (Void).
Field Flag: 'P', Power failure during sampling.
Sample did not run due to power failure.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Metal** Samp Use: **Field Procedure Blank** Set Index: **1**
Location: **Janvier** Loc ID: **JANV** WBEA ID: **220602564**
Start Date: **2022-06-03 11:25** End Date: **2022-06-03 11:26** Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000041	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.004075	µg/m ³	V0
Aluminum	0.002800	0.009001	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.010317	µg/m ³	V0
Potassium	0.000402	0.008690	µg/m ³	V0
Calcium	0.013042	0.024775	µg/m ³	V0
Titanium	0.000031	0.000348	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000496	µg/m ³	V0
Manganese	0.000028	0.000075	µg/m ³	V0
Iron	0.001585	0.003884	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000213	µg/m ³	V0
Copper	0.000027	0.000106	µg/m ³	V0
Zinc	0.000149	0.000553	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000006	µg/m ³	V0
Strontium	0.000012	0.000020	µg/m ³	V0
Niobium	0.000006	0.000169	µg/m ³	V0
Molybdenum	0.000025	0.000047	µg/m ³	V0
Palladium	0.000050	0.000077	µg/m ³	V0
Silver	0.000006	0.000029	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000091	µg/m ³	V0
Antimony	0.000016	0.000067	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000546	µg/m ³	V0
Tungsten	0.000005	0.000174	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602512
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.2	°C	
Pressure		727.4	mmHg	
Particulate Matter	0.042	2.333	µg/m ³	V0
Lithium	0.000016	0.000101	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001260	µg/m ³	V0
Magnesium	0.000279	0.009549	µg/m ³	V0
Aluminum	0.002800	0.029933	µg/m ³	V0
Silicon	0.010200	0.088957	µg/m ³	V0
Phosphorus	0.003480	0.020805	µg/m ³	V0
Potassium	0.000402	0.018809	µg/m ³	V0
Calcium	0.013042	0.025637	µg/m ³	V0
Titanium	0.000031	0.001309	µg/m ³	V0
Vanadium	0.000018	0.000117	µg/m ³	V0
Chromium	0.000045	0.000872	µg/m ³	V0
Manganese	0.000028	0.000283	µg/m ³	V0
Iron	0.001585	0.020714	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000286	µg/m ³	V0
Copper	0.000027	0.004804	µg/m ³	V0
Zinc	0.000149	0.003867	µg/m ³	V0
Arsenic	0.000005	0.000138	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000036	µg/m ³	V0
Strontium	0.000012	0.000147	µg/m ³	V0
Niobium	0.000006	0.000315	µg/m ³	V0
Molybdenum	0.000025	0.000114	µg/m ³	V0
Palladium	0.000050	0.000101	µg/m ³	V0
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000101	µg/m ³	V0
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000307	µg/m ³	V0
Lanthanum	0.000004	0.000021	µg/m ³	V0
Cerium	0.000013	0.000040	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001011	µg/m ³	V0
Tungsten	0.000005	0.000215	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000057	µg/m ³	V0
Lead	0.000018	0.001827	µg/m ³	V4
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220602528
Start Date:	2022-06-04 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-06-05 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.6	°C	
Pressure		734.3	mmHg	
Particulate Matter	0.042	5.792	µg/m ³	V0
Lithium	0.000016	0.000180	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.023297	µg/m ³	V0
Magnesium	0.000279	0.032851	µg/m ³	V0
Aluminum	0.002800	0.118356	µg/m ³	V0
Silicon	0.010200	0.418422	µg/m ³	V0
Phosphorus	0.003480	0.010348	µg/m ³	V0
Potassium	0.000402	0.042865	µg/m ³	V0
Calcium	0.013042	0.246845	µg/m ³	V0
Titanium	0.000031	0.005576	µg/m ³	V0
Vanadium	0.000018	0.000435	µg/m ³	V0
Chromium	0.000045	0.000587	µg/m ³	V0
Manganese	0.000028	0.001836	µg/m ³	V0
Iron	0.001585	0.086093	µg/m ³	V0
Cobalt	0.000005	0.000079	µg/m ³	V0
Nickel	0.000015	0.000267	µg/m ³	V0
Copper	0.000027	0.000487	µg/m ³	V0
Zinc	0.000149	0.001793	µg/m ³	V0
Arsenic	0.000005	0.000048	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000210	µg/m ³	V0
Strontium	0.000012	0.000671	µg/m ³	V0
Niobium	0.000006	0.000319	µg/m ³	V0
Molybdenum	0.000025	0.000114	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000033	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000151	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.001149	µg/m ³	V0
Lanthanum	0.000004	0.000078	µg/m ³	V0
Cerium	0.000013	0.000166	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000072	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000819	µg/m ³	V0
Tungsten	0.000005	0.000431	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000167	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000026	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602552
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:06	Duration:	24.1 hr

Notes

Field Flag: 'V', Invalid sample (Void).
Field Flag: 'T', Sampling time error.
Upon collection of the sample, partisol was in error mode with flow, stop flow, and sample period status codes. Resulted in a short sampling duration and low sample volume.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2
Temperature		15.8	°C	
Pressure		735.4	mmHg	
Particulate Matter	0.042	-9999	µg/m ³	M2
Lithium	0.000016	-9999	µg/m ³	M2
Beryllium	0.000013	-9999	µg/m ³	M2
Sodium	0.000777	-9999	µg/m ³	M2
Magnesium	0.000279	-9999	µg/m ³	M2
Aluminum	0.002800	-9999	µg/m ³	M2
Silicon	0.010200	-9999	µg/m ³	M2
Phosphorus	0.003480	-9999	µg/m ³	M2
Potassium	0.000402	-9999	µg/m ³	M2
Calcium	0.013042	-9999	µg/m ³	M2
Titanium	0.000031	-9999	µg/m ³	M2
Vanadium	0.000018	-9999	µg/m ³	M2
Chromium	0.000045	-9999	µg/m ³	M2
Manganese	0.000028	-9999	µg/m ³	M2
Iron	0.001585	-9999	µg/m ³	M2
Cobalt	0.000005	-9999	µg/m ³	M2
Nickel	0.000015	-9999	µg/m ³	M2
Copper	0.000027	-9999	µg/m ³	M2
Zinc	0.000149	-9999	µg/m ³	M2
Arsenic	0.000005	-9999	µg/m ³	M2
Selenium	0.000133	-9999	µg/m ³	M2
Rubidium	0.000003	-9999	µg/m ³	M2
Strontium	0.000012	-9999	µg/m ³	M2
Niobium	0.000006	-9999	µg/m ³	M2
Molybdenum	0.000025	-9999	µg/m ³	M2
Palladium	0.000050	-9999	µg/m ³	M2
Silver	0.000006	-9999	µg/m ³	M2
Cadmium	0.000011	-9999	µg/m ³	M2
Tin	0.000008	-9999	µg/m ³	M2
Antimony	0.000016	-9999	µg/m ³	M2
Cesium	0.000004	-9999	µg/m ³	M2
Barium	0.000054	-9999	µg/m ³	M2
Lanthanum	0.000004	-9999	µg/m ³	M2
Cerium	0.000013	-9999	µg/m ³	M2
Praseodymium	0.000002	-9999	µg/m ³	M2
Neodymium	0.000005	-9999	µg/m ³	M2
Samarium	0.000006	-9999	µg/m ³	M2
Tantalum	0.000003	-9999	µg/m ³	M2
Tungsten	0.000005	-9999	µg/m ³	M2
Platinum	0.000004	-9999	µg/m ³	M2
Thallium	0.000005	-9999	µg/m ³	M2
Lead	0.000018	-9999	µg/m ³	M2
Bismuth	0.000004	-9999	µg/m ³	M2
Thorium	0.000002	-9999	µg/m ³	M2
Uranium	0.000003	-9999	µg/m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602557
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.6	°C	
Pressure		727.1	mmHg	
Particulate Matter	0.042	4.875	µg/m ³	V0
Lithium	0.000016	0.000057	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004508	µg/m ³	V0
Magnesium	0.000279	0.011285	µg/m ³	V0
Aluminum	0.002800	0.031399	µg/m ³	V0
Silicon	0.010200	0.136532	µg/m ³	V0
Phosphorus	0.003480	0.011975	µg/m ³	V0
Potassium	0.000402	0.025332	µg/m ³	V0
Calcium	0.013042	0.036460	µg/m ³	V0
Titanium	0.000031	0.001327	µg/m ³	V0
Vanadium	0.000018	0.000099	µg/m ³	V0
Chromium	0.000045	0.000417	µg/m ³	V0
Manganese	0.000028	0.000496	µg/m ³	V0
Iron	0.001585	0.025044	µg/m ³	V0
Cobalt	0.000005	0.000039	µg/m ³	V0
Nickel	0.000015	0.000249	µg/m ³	V0
Copper	0.000027	0.000225	µg/m ³	V0
Zinc	0.000149	0.001903	µg/m ³	V0
Arsenic	0.000005	0.000411	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000061	µg/m ³	V0
Strontium	0.000012	0.000156	µg/m ³	V0
Niobium	0.000006	0.000224	µg/m ³	V0
Molybdenum	0.000025	0.000075	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	0.000029	µg/m ³	V0
Tin	0.000008	0.000216	µg/m ³	V0
Antimony	0.000016	0.000077	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000695	µg/m ³	V0
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000053	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000650	µg/m ³	V0
Tungsten	0.000005	0.000230	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000192	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602570
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		717.2	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Lithium	0.000016	0.000051	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.009631	µg/m ³	V0
Aluminum	0.002800	0.036827	µg/m ³	V0
Silicon	0.010200	0.054196	µg/m ³	V0
Phosphorus	0.003480	0.011165	µg/m ³	V0
Potassium	0.000402	0.018400	µg/m ³	V0
Calcium	0.013042	0.025954	µg/m ³	V0
Titanium	0.000031	0.001451	µg/m ³	V0
Vanadium	0.000018	0.000117	µg/m ³	V0
Chromium	0.000045	0.001625	µg/m ³	V0
Manganese	0.000028	0.000606	µg/m ³	V0
Iron	0.001585	0.029547	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000477	µg/m ³	V0
Copper	0.000027	0.000205	µg/m ³	V0
Zinc	0.000149	0.000689	µg/m ³	V0
Arsenic	0.000005	0.000026	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000046	µg/m ³	V0
Strontium	0.000012	0.000153	µg/m ³	V0
Niobium	0.000006	0.000109	µg/m ³	V0
Molybdenum	0.000025	0.000100	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000147	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000451	µg/m ³	V0
Lanthanum	0.000004	0.000019	µg/m ³	V0
Cerium	0.000013	0.000038	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000407	µg/m ³	V0
Tungsten	0.000005	0.000132	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000126	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602577
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		715.0	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Lithium	0.000016	0.000055	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.011979	µg/m ³	V0
Aluminum	0.002800	0.033605	µg/m ³	V0
Silicon	0.010200	0.074865	µg/m ³	V0
Phosphorus	0.003480	0.010347	µg/m ³	V0
Potassium	0.000402	0.017222	µg/m ³	V0
Calcium	0.013042	0.037907	µg/m ³	V0
Titanium	0.000031	0.001336	µg/m ³	V0
Vanadium	0.000018	0.000094	µg/m ³	V0
Chromium	0.000045	0.000393	µg/m ³	V0
Manganese	0.000028	0.000491	µg/m ³	V0
Iron	0.001585	0.024361	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000151	µg/m ³	V0
Copper	0.000027	0.000296	µg/m ³	V0
Zinc	0.000149	0.000262	µg/m ³	V0
Arsenic	0.000005	0.000019	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000043	µg/m ³	V0
Strontium	0.000012	0.000165	µg/m ³	V0
Niobium	0.000006	0.000098	µg/m ³	V0
Molybdenum	0.000025	0.000046	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000133	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000396	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000042	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000378	µg/m ³	V0
Tungsten	0.000005	0.000085	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000148	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602583
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.9	°C	
Pressure		708.6	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Lithium	0.000016	0.000084	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011630	µg/m ³	V0
Magnesium	0.000279	0.022137	µg/m ³	V0
Aluminum	0.002800	0.058871	µg/m ³	V0
Silicon	0.010200	0.195537	µg/m ³	V0
Phosphorus	0.003480	0.011565	µg/m ³	V0
Potassium	0.000402	0.029332	µg/m ³	V0
Calcium	0.013042	0.063612	µg/m ³	V0
Titanium	0.000031	0.002625	µg/m ³	V0
Vanadium	0.000018	0.000184	µg/m ³	V0
Chromium	0.000045	0.000809	µg/m ³	V0
Manganese	0.000028	0.001131	µg/m ³	V0
Iron	0.001585	0.053644	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000332	µg/m ³	V0
Copper	0.000027	0.000177	µg/m ³	V0
Zinc	0.000149	0.001479	µg/m ³	V0
Arsenic	0.000005	0.000022	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000089	µg/m ³	V0
Strontium	0.000012	0.000271	µg/m ³	V0
Niobium	0.000006	0.000101	µg/m ³	V0
Molybdenum	0.000025	0.000063	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000148	µg/m ³	V0
Antimony	0.000016	0.000905	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000806	µg/m ³	V0
Lanthanum	0.000004	0.000043	µg/m ³	V0
Cerium	0.000013	0.000090	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000035	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000365	µg/m ³	V0
Tungsten	0.000005	0.000133	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000263	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220602640
Start Date:	2022-06-09 12:35	End Date:	2022-06-09 12:36	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Lithium	0.000016	0.000030	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002433	µg/m ³	V0
Aluminum	0.002800	0.004785	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.010300	µg/m ³	V0
Potassium	0.000402	0.006311	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000289	µg/m ³	V0
Vanadium	0.000018	0.000046	µg/m ³	V0
Chromium	0.000045	0.000713	µg/m ³	V0
Manganese	0.000028	0.000055	µg/m ³	V0
Iron	0.001585	0.005978	µg/m ³	V0
Cobalt	0.000005	0.000008	µg/m ³	V0
Nickel	0.000015	0.000147	µg/m ³	V0
Copper	0.000027	0.000659	µg/m ³	V0
Zinc	0.000149	0.000953	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000013	µg/m ³	V0
Niobium	0.000006	0.000087	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000133	µg/m ³	V0
Antimony	0.000016	0.000018	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000105	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000399	µg/m ³	V0
Tungsten	0.000005	0.000070	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000044	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602595
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.4	°C	
Pressure		703.0	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Lithium	0.000016	0.000036	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.007543	µg/m ³	V0
Aluminum	0.002800	0.016986	µg/m ³	V0
Silicon	0.010200	0.023109	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.014811	µg/m ³	V0
Calcium	0.013042	0.021434	µg/m ³	V0
Titanium	0.000031	0.001034	µg/m ³	V0
Vanadium	0.000018	0.000072	µg/m ³	V0
Chromium	0.000045	0.000634	µg/m ³	V0
Manganese	0.000028	0.000317	µg/m ³	V0
Iron	0.001585	0.027448	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000263	µg/m ³	V0
Copper	0.000027	0.000483	µg/m ³	V0
Zinc	0.000149	0.001936	µg/m ³	V0
Arsenic	0.000005	0.000064	µg/m ³	V0
Selenium	0.000133	0.000162	µg/m ³	V0
Rubidium	0.000003	0.000024	µg/m ³	V0
Strontium	0.000012	0.000086	µg/m ³	V0
Niobium	0.000006	0.000237	µg/m ³	V0
Molybdenum	0.000025	0.000102	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000478	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000282	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000544	µg/m ³	V0
Tungsten	0.000005	0.000238	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000091	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602601
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.4	°C	
Pressure		711.1	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Lithium	0.000016	0.000059	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.008940	µg/m ³	V0
Aluminum	0.002800	0.021011	µg/m ³	V0
Silicon	0.010200	0.041782	µg/m ³	V0
Phosphorus	0.003480	0.013585	µg/m ³	V0
Potassium	0.000402	0.017478	µg/m ³	V0
Calcium	0.013042	0.019870	µg/m ³	V0
Titanium	0.000031	0.000753	µg/m ³	V0
Vanadium	0.000018	0.000041	µg/m ³	V0
Chromium	0.000045	0.000678	µg/m ³	V0
Manganese	0.000028	0.000298	µg/m ³	V0
Iron	0.001585	0.010922	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000289	µg/m ³	V0
Copper	0.000027	0.000371	µg/m ³	V0
Zinc	0.000149	0.002740	µg/m ³	V0
Arsenic	0.000005	0.000051	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000029	µg/m ³	V0
Strontium	0.000012	0.000072	µg/m ³	V0
Niobium	0.000006	0.000835	µg/m ³	V0
Molybdenum	0.000025	0.000270	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000105	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000199	µg/m ³	V0
Antimony	0.000016	0.000182	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000249	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.003709	µg/m ³	V0
Tungsten	0.000005	0.004980	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000110	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602609
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.0	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Lithium	0.000016	0.000090	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004192	µg/m ³	V0
Magnesium	0.000279	0.019084	µg/m ³	V0
Aluminum	0.002800	0.054558	µg/m ³	V0
Silicon	0.010200	0.196799	µg/m ³	V0
Phosphorus	0.003480	0.014541	µg/m ³	V0
Potassium	0.000402	0.023098	µg/m ³	V0
Calcium	0.013042	0.039718	µg/m ³	V0
Titanium	0.000031	0.003424	µg/m ³	V0
Vanadium	0.000018	0.000238	µg/m ³	V0
Chromium	0.000045	0.002016	µg/m ³	V0
Manganese	0.000028	0.000875	µg/m ³	V0
Iron	0.001585	0.040805	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000436	µg/m ³	V0
Copper	0.000027	0.000511	µg/m ³	V0
Zinc	0.000149	0.001545	µg/m ³	V0
Arsenic	0.000005	0.000025	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000074	µg/m ³	V0
Strontium	0.000012	0.000220	µg/m ³	V0
Niobium	0.000006	0.000121	µg/m ³	V0
Molybdenum	0.000025	0.000191	µg/m ³	V0
Palladium	0.000050	0.000056	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000095	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000690	µg/m ³	V0
Lanthanum	0.000004	0.000041	µg/m ³	V0
Cerium	0.000013	0.000074	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000029	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000498	µg/m ³	V0
Tungsten	0.000005	0.000090	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000100	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602621
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

Power outage caused short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.1	m ³	V6
Temperature		14.7	°C	
Pressure		709.2	mmHg	
Particulate Matter	0.042	3.636	µg/m ³	V0
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.000840	µg/m ³	V0
Magnesium	0.000279	0.008682	µg/m ³	V0
Aluminum	0.002800	0.021054	µg/m ³	V0
Silicon	0.010200	0.027740	µg/m ³	V0
Phosphorus	0.003480	0.011727	µg/m ³	V0
Potassium	0.000402	0.022524	µg/m ³	V0
Calcium	0.013042	0.021491	µg/m ³	V0
Titanium	0.000031	0.000900	µg/m ³	V0
Vanadium	0.000018	0.000088	µg/m ³	V0
Chromium	0.000045	0.000646	µg/m ³	V0
Manganese	0.000028	0.000383	µg/m ³	V0
Iron	0.001585	0.013947	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000196	µg/m ³	V0
Copper	0.000027	0.005657	µg/m ³	V0
Zinc	0.000149	0.002517	µg/m ³	V0
Arsenic	0.000005	0.000034	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000035	µg/m ³	V0
Strontium	0.000012	0.000101	µg/m ³	V0
Niobium	0.000006	0.000098	µg/m ³	V0
Molybdenum	0.000025	0.000044	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000195	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000425	µg/m ³	V0
Lanthanum	0.000004	0.000015	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000397	µg/m ³	V0
Tungsten	0.000005	0.000076	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000146	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602630
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.7	°C	
Pressure		720.8	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Lithium	0.000016	0.000053	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003034	µg/m ³	V0
Magnesium	0.000279	0.009862	µg/m ³	V0
Aluminum	0.002800	0.025821	µg/m ³	V0
Silicon	0.010200	0.063527	µg/m ³	V0
Phosphorus	0.003480	0.005453	µg/m ³	V0
Potassium	0.000402	0.021881	µg/m ³	V0
Calcium	0.013042	0.041495	µg/m ³	V0
Titanium	0.000031	0.001421	µg/m ³	V0
Vanadium	0.000018	0.000075	µg/m ³	V0
Chromium	0.000045	0.000576	µg/m ³	V0
Manganese	0.000028	0.000533	µg/m ³	V0
Iron	0.001585	0.021433	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000229	µg/m ³	V0
Copper	0.000027	0.000332	µg/m ³	V0
Zinc	0.000149	0.001079	µg/m ³	V0
Arsenic	0.000005	0.000037	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000045	µg/m ³	V0
Strontium	0.000012	0.000140	µg/m ³	V0
Niobium	0.000006	0.000365	µg/m ³	V0
Molybdenum	0.000025	0.000143	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000042	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000216	µg/m ³	V0
Antimony	0.000016	0.000114	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000829	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000033	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000885	µg/m ³	V0
Tungsten	0.000005	0.000481	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000262	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00
		Set Index:	1
		WBEA ID:	220602636
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.1	°C	
Pressure		729.8	mmHg	
Particulate Matter	0.042	5.958	µg/m ³	V0
Lithium	0.000016	0.000052	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009023	µg/m ³	V0
Magnesium	0.000279	0.011735	µg/m ³	V0
Aluminum	0.002800	0.028224	µg/m ³	V0
Silicon	0.010200	0.062785	µg/m ³	V0
Phosphorus	0.003480	0.007926	µg/m ³	V0
Potassium	0.000402	0.020265	µg/m ³	V0
Calcium	0.013042	0.037292	µg/m ³	V0
Titanium	0.000031	0.001541	µg/m ³	V0
Vanadium	0.000018	0.000092	µg/m ³	V0
Chromium	0.000045	0.000834	µg/m ³	V0
Manganese	0.000028	0.000539	µg/m ³	V0
Iron	0.001585	0.026525	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000233	µg/m ³	V0
Copper	0.000027	0.000652	µg/m ³	V0
Zinc	0.000149	0.001703	µg/m ³	V0
Arsenic	0.000005	0.000027	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000042	µg/m ³	V0
Strontium	0.000012	0.000153	µg/m ³	V0
Niobium	0.000006	0.001225	µg/m ³	V0
Molybdenum	0.000025	0.000457	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000142	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000346	µg/m ³	V0
Antimony	0.000016	0.000310	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001508	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000037	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.005949	µg/m ³	V0
Tungsten	0.000005	0.005571	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000124	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602644
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.8	°C	
Pressure		727.4	mmHg	
Particulate Matter	0.042	7.458	µg/m ³	V0
Lithium	0.000016	0.000106	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007215	µg/m ³	V0
Magnesium	0.000279	0.018879	µg/m ³	V0
Aluminum	0.002800	0.073233	µg/m ³	V0
Silicon	0.010200	0.211790	µg/m ³	V0
Phosphorus	0.003480	0.009561	µg/m ³	V0
Potassium	0.000402	0.029925	µg/m ³	V0
Calcium	0.013042	0.086919	µg/m ³	V0
Titanium	0.000031	0.003283	µg/m ³	V0
Vanadium	0.000018	0.000487	µg/m ³	V0
Chromium	0.000045	0.001082	µg/m ³	V0
Manganese	0.000028	0.001452	µg/m ³	V0
Iron	0.001585	0.057003	µg/m ³	V0
Cobalt	0.000005	0.000059	µg/m ³	V0
Nickel	0.000015	0.000496	µg/m ³	V0
Copper	0.000027	0.000688	µg/m ³	V0
Zinc	0.000149	0.002753	µg/m ³	V0
Arsenic	0.000005	0.000074	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000100	µg/m ³	V0
Strontium	0.000012	0.000327	µg/m ³	V0
Niobium	0.000006	0.000094	µg/m ³	V0
Molybdenum	0.000025	0.000132	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000193	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000831	µg/m ³	V0
Lanthanum	0.000004	0.000044	µg/m ³	V0
Cerium	0.000013	0.000088	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000039	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000354	µg/m ³	V0
Tungsten	0.000005	0.000073	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000260	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602676
Start Date:	2022-06-13 11:21	End Date:	2022-06-13 11:22	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00
		Set Index:	1
		WBEA ID:	220602680
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		727.6	mmHg	
Particulate Matter	0.042	6.750	µg/m ³	V0
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001340	µg/m ³	V0
Magnesium	0.000279	0.009386	µg/m ³	V0
Aluminum	0.002800	0.030598	µg/m ³	V0
Silicon	0.010200	0.080981	µg/m ³	V0
Phosphorus	0.003480	0.015863	µg/m ³	V0
Potassium	0.000402	0.026687	µg/m ³	V0
Calcium	0.013042	0.033425	µg/m ³	V0
Titanium	0.000031	0.001732	µg/m ³	V0
Vanadium	0.000018	0.000485	µg/m ³	V0
Chromium	0.000045	0.000511	µg/m ³	V0
Manganese	0.000028	0.000520	µg/m ³	V0
Iron	0.001585	0.024165	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000249	µg/m ³	V0
Copper	0.000027	0.001519	µg/m ³	V0
Zinc	0.000149	0.019589	µg/m ³	V4
Arsenic	0.000005	0.000005	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000084	µg/m ³	V0
Strontium	0.000012	0.000136	µg/m ³	V0
Niobium	0.000006	0.000792	µg/m ³	V0
Molybdenum	0.000025	0.000766	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000202	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000288	µg/m ³	V0
Antimony	0.000016	0.000279	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000632	µg/m ³	V0
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000035	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.006776	µg/m ³	V0
Tungsten	0.000005	0.006026	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000327	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602685
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V6
Temperature		17.4	°C	
Pressure		738.0	mmHg	
Particulate Matter	0.042	7.769	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001137	µg/m ³	V0
Magnesium	0.000279	0.008739	µg/m ³	V0
Aluminum	0.002800	0.024812	µg/m ³	V0
Silicon	0.010200	0.079305	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.028115	µg/m ³	V0
Calcium	0.013042	0.043687	µg/m ³	V0
Titanium	0.000031	0.002388	µg/m ³	V0
Vanadium	0.000018	0.000232	µg/m ³	V0
Chromium	0.000045	0.000409	µg/m ³	V0
Manganese	0.000028	0.000456	µg/m ³	V0
Iron	0.001585	0.023314	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000193	µg/m ³	V0
Copper	0.000027	0.000703	µg/m ³	V0
Zinc	0.000149	0.001904	µg/m ³	V0
Arsenic	0.000005	0.000035	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000081	µg/m ³	V0
Strontium	0.000012	0.000122	µg/m ³	V0
Niobium	0.000006	0.000079	µg/m ³	V0
Molybdenum	0.000025	0.000097	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000188	µg/m ³	V0
Antimony	0.000016	0.000067	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000801	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000029	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000281	µg/m ³	V0
Tungsten	0.000005	0.000073	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000054	µg/m ³	V0
Bismuth	0.000004	0.000098	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00
		Set Index:	1
		WBEA ID:	220602689
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.3	°C	
Pressure		736.0	mmHg	
Particulate Matter	0.042	8.792	µg/m ³	V0
Lithium	0.000016	0.000280	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015263	µg/m ³	V0
Magnesium	0.000279	0.033838	µg/m ³	V0
Aluminum	0.002800	0.129282	µg/m ³	V0
Silicon	0.010200	0.561436	µg/m ³	V0
Phosphorus	0.003480	0.031499	µg/m ³	V0
Potassium	0.000402	0.055856	µg/m ³	V0
Calcium	0.013042	0.220518	µg/m ³	V0
Titanium	0.000031	0.005880	µg/m ³	V0
Vanadium	0.000018	0.000802	µg/m ³	V0
Chromium	0.000045	0.000680	µg/m ³	V0
Manganese	0.000028	0.002162	µg/m ³	V0
Iron	0.001585	0.106253	µg/m ³	V0
Cobalt	0.000005	0.000099	µg/m ³	V0
Nickel	0.000015	0.000340	µg/m ³	V0
Copper	0.000027	0.000793	µg/m ³	V0
Zinc	0.000149	0.001993	µg/m ³	V0
Arsenic	0.000005	0.000742	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000235	µg/m ³	V0
Strontium	0.000012	0.000665	µg/m ³	V0
Niobium	0.000006	0.001149	µg/m ³	V0
Molybdenum	0.000025	0.000202	µg/m ³	V0
Palladium	0.000050	0.000147	µg/m ³	V0
Silver	0.000006	0.000058	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000174	µg/m ³	V0
Antimony	0.000016	0.000184	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.001310	µg/m ³	V0
Lanthanum	0.000004	0.000086	µg/m ³	V0
Cerium	0.000013	0.000187	µg/m ³	V0
Praseodymium	0.000002	0.000023	µg/m ³	V0
Neodymium	0.000005	0.000086	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.006325	µg/m ³	V0
Tungsten	0.000005	0.001092	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000115	µg/m ³	V0
Lead	0.000018	0.000136	µg/m ³	V0
Bismuth	0.000004	0.000061	µg/m ³	V0
Thorium	0.000002	0.000108	µg/m ³	V4
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602708
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Relative humidity was approx. 20% lower than the other three partisol machines at AMS22
Raining during sample deployment. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		718.8	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Lithium	0.000016	0.000033	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.006781	µg/m ³	V0
Aluminum	0.002800	0.014609	µg/m ³	V0
Silicon	0.010200	0.010329	µg/m ³	V0
Phosphorus	0.003480	0.012580	µg/m ³	V0
Potassium	0.000402	0.063425	µg/m ³	V0
Calcium	0.013042	0.016952	µg/m ³	V0
Titanium	0.000031	0.001011	µg/m ³	V0
Vanadium	0.000018	0.000117	µg/m ³	V0
Chromium	0.000045	0.001602	µg/m ³	V0
Manganese	0.000028	0.000203	µg/m ³	V0
Iron	0.001585	0.016531	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000220	µg/m ³	V0
Copper	0.000027	0.000169	µg/m ³	V0
Zinc	0.000149	0.001679	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000101	µg/m ³	V0
Strontium	0.000012	0.000058	µg/m ³	V0
Niobium	0.000006	0.000097	µg/m ³	V0
Molybdenum	0.000025	0.000083	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000222	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000301	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000362	µg/m ³	V0
Tungsten	0.000005	0.000089	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000068	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602712
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		710.6	mmHg	
Particulate Matter	0.042	5.708	µg/m ³	V0
Lithium	0.000016	0.000038	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003586	µg/m ³	V0
Magnesium	0.000279	0.007595	µg/m ³	V0
Aluminum	0.002800	0.022938	µg/m ³	V0
Silicon	0.010200	0.023173	µg/m ³	V0
Phosphorus	0.003480	0.010374	µg/m ³	V0
Potassium	0.000402	0.030002	µg/m ³	V0
Calcium	0.013042	0.020480	µg/m ³	V0
Titanium	0.000031	0.000989	µg/m ³	V0
Vanadium	0.000018	0.000097	µg/m ³	V0
Chromium	0.000045	0.000566	µg/m ³	V0
Manganese	0.000028	0.000310	µg/m ³	V0
Iron	0.001585	0.014549	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000275	µg/m ³	V0
Copper	0.000027	0.000306	µg/m ³	V0
Zinc	0.000149	0.002534	µg/m ³	V0
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000119	µg/m ³	V0
Strontium	0.000012	0.000091	µg/m ³	V0
Niobium	0.000006	0.000123	µg/m ³	V0
Molybdenum	0.000025	0.000401	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000208	µg/m ³	V0
Antimony	0.000016	0.000018	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000251	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000389	µg/m ³	V0
Tungsten	0.000005	0.000109	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000088	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602722
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		716.9	mmHg	
Particulate Matter	0.042	5.542	µg/m ³	V0
Lithium	0.000016	0.000027	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002246	µg/m ³	V0
Magnesium	0.000279	0.004516	µg/m ³	V0
Aluminum	0.002800	0.010106	µg/m ³	V0
Silicon	0.010200	0.013943	µg/m ³	V0
Phosphorus	0.003480	0.014976	µg/m ³	V0
Potassium	0.000402	0.021979	µg/m ³	V0
Calcium	0.013042	0.015536	µg/m ³	V0
Titanium	0.000031	0.000690	µg/m ³	V0
Vanadium	0.000018	0.000057	µg/m ³	V0
Chromium	0.000045	0.000782	µg/m ³	V0
Manganese	0.000028	0.000211	µg/m ³	V0
Iron	0.001585	0.010018	µg/m ³	V0
Cobalt	0.000005	0.000013	µg/m ³	V0
Nickel	0.000015	0.000224	µg/m ³	V0
Copper	0.000027	0.000070	µg/m ³	V0
Zinc	0.000149	0.000693	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000071	µg/m ³	V0
Strontium	0.000012	0.000056	µg/m ³	V0
Niobium	0.000006	0.000089	µg/m ³	V0
Molybdenum	0.000025	0.000186	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000102	µg/m ³	V0
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000208	µg/m ³	V0
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000383	µg/m ³	V0
Tungsten	0.000005	0.000095	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000065	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602727
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.4	°C	
Pressure		740.4	mmHg	
Particulate Matter	0.042	5.625	µg/m ³	V0
Lithium	0.000016	0.000130	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008860	µg/m ³	V0
Magnesium	0.000279	0.021276	µg/m ³	V0
Aluminum	0.002800	0.066476	µg/m ³	V0
Silicon	0.010200	0.154770	µg/m ³	V0
Phosphorus	0.003480	0.025177	µg/m ³	V0
Potassium	0.000402	0.057887	µg/m ³	V0
Calcium	0.013042	0.033799	µg/m ³	V0
Titanium	0.000031	0.001899	µg/m ³	V0
Vanadium	0.000018	0.000158	µg/m ³	V0
Chromium	0.000045	0.000588	µg/m ³	V0
Manganese	0.000028	0.000707	µg/m ³	V0
Iron	0.001585	0.026357	µg/m ³	V0
Cobalt	0.000005	0.000039	µg/m ³	V0
Nickel	0.000015	0.000269	µg/m ³	V0
Copper	0.000027	0.001970	µg/m ³	V0
Zinc	0.000149	0.002550	µg/m ³	V0
Arsenic	0.000005	0.000173	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000115	µg/m ³	V0
Strontium	0.000012	0.000313	µg/m ³	V0
Niobium	0.000006	0.000454	µg/m ³	V0
Molybdenum	0.000025	0.000111	µg/m ³	V0
Palladium	0.000050	0.000121	µg/m ³	V0
Silver	0.000006	0.000034	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000104	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.001192	µg/m ³	V0
Lanthanum	0.000004	0.000030	µg/m ³	V0
Cerium	0.000013	0.000059	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000025	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.001359	µg/m ³	V0
Tungsten	0.000005	0.000330	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000074	µg/m ³	V0
Lead	0.000018	0.000090	µg/m ³	V0
Bismuth	0.000004	0.000441	µg/m ³	V4
Thorium	0.000002	0.000036	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220602755
Start Date:	2022-06-17 08:25	End Date:	2022-06-17 08:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.667	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018843	µg/m ³	V0
Magnesium	0.000279	0.002307	µg/m ³	V0
Aluminum	0.002800	0.006408	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.018266	µg/m ³	V0
Potassium	0.000402	0.007125	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000408	µg/m ³	V0
Vanadium	0.000018	0.000029	µg/m ³	V0
Chromium	0.000045	0.000929	µg/m ³	V0
Manganese	0.000028	0.000065	µg/m ³	V0
Iron	0.001585	0.008505	µg/m ³	V0
Cobalt	0.000005	0.000010	µg/m ³	V0
Nickel	0.000015	0.000198	µg/m ³	V0
Copper	0.000027	0.000337	µg/m ³	V0
Zinc	0.000149	0.001206	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000021	µg/m ³	V0
Niobium	0.000006	0.000097	µg/m ³	V0
Molybdenum	0.000025	0.000076	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000089	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000072	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000351	µg/m ³	V0
Tungsten	0.000005	0.000099	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000028	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602749
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.9	°C	
Pressure		723.4	mmHg	
Particulate Matter	0.042	5.792	µg/m ³	V0
Lithium	0.000016	0.000050	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001647	µg/m ³	V0
Magnesium	0.000279	0.010925	µg/m ³	V0
Aluminum	0.002800	0.039293	µg/m ³	V0
Silicon	0.010200	0.074636	µg/m ³	V0
Phosphorus	0.003480	0.009209	µg/m ³	V0
Potassium	0.000402	0.170515	µg/m ³	V0
Calcium	0.013042	0.036635	µg/m ³	V0
Titanium	0.000031	0.002028	µg/m ³	V0
Vanadium	0.000018	0.000410	µg/m ³	V0
Chromium	0.000045	0.000806	µg/m ³	V0
Manganese	0.000028	0.000569	µg/m ³	V0
Iron	0.001585	0.025873	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000376	µg/m ³	V0
Copper	0.000027	0.000407	µg/m ³	V0
Zinc	0.000149	0.001863	µg/m ³	V0
Arsenic	0.000005	0.000017	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000061	µg/m ³	V0
Strontium	0.000012	0.000144	µg/m ³	V0
Niobium	0.000006	0.000094	µg/m ³	V0
Molybdenum	0.000025	0.000106	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000145	µg/m ³	V0
Antimony	0.000016	0.000048	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000637	µg/m ³	V0
Lanthanum	0.000004	0.000019	µg/m ³	V0
Cerium	0.000013	0.000044	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000301	µg/m ³	V0
Tungsten	0.000005	0.000103	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000080	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602762
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.8	°C	
Pressure		733.7	mmHg	
Particulate Matter	0.042	5.958	µg/m ³	V0
Lithium	0.000016	0.000081	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005738	µg/m ³	V0
Magnesium	0.000279	0.012321	µg/m ³	V0
Aluminum	0.002800	0.037730	µg/m ³	V0
Silicon	0.010200	0.064621	µg/m ³	V0
Phosphorus	0.003480	0.011856	µg/m ³	V0
Potassium	0.000402	0.022718	µg/m ³	V0
Calcium	0.013042	0.037237	µg/m ³	V0
Titanium	0.000031	0.001743	µg/m ³	V0
Vanadium	0.000018	0.000354	µg/m ³	V0
Chromium	0.000045	0.000757	µg/m ³	V0
Manganese	0.000028	0.000648	µg/m ³	V0
Iron	0.001585	0.034576	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000206	µg/m ³	V0
Copper	0.000027	0.004987	µg/m ³	V0
Zinc	0.000149	0.004927	µg/m ³	V0
Arsenic	0.000005	0.000017	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000057	µg/m ³	V0
Strontium	0.000012	0.000143	µg/m ³	V0
Niobium	0.000006	0.000102	µg/m ³	V0
Molybdenum	0.000025	0.000096	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000583	µg/m ³	V0
Antimony	0.000016	0.000086	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001098	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000041	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000363	µg/m ³	V0
Tungsten	0.000005	0.000109	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000408	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602768
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.4	°C	
Pressure		735.7	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Lithium	0.000016	0.000078	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005332	µg/m ³	V0
Magnesium	0.000279	0.009436	µg/m ³	V0
Aluminum	0.002800	0.038974	µg/m ³	V0
Silicon	0.010200	0.087692	µg/m ³	V0
Phosphorus	0.003480	0.021933	µg/m ³	V0
Potassium	0.000402	0.020437	µg/m ³	V0
Calcium	0.013042	0.022558	µg/m ³	V0
Titanium	0.000031	0.001168	µg/m ³	V0
Vanadium	0.000018	0.000086	µg/m ³	V0
Chromium	0.000045	0.000846	µg/m ³	V0
Manganese	0.000028	0.000508	µg/m ³	V0
Iron	0.001585	0.016610	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000333	µg/m ³	V0
Copper	0.000027	0.000796	µg/m ³	V0
Zinc	0.000149	0.001610	µg/m ³	V0
Arsenic	0.000005	0.000020	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000046	µg/m ³	V0
Strontium	0.000012	0.000113	µg/m ³	V0
Niobium	0.000006	0.000131	µg/m ³	V0
Molybdenum	0.000025	0.000372	µg/m ³	V0
Palladium	0.000050	0.000057	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000061	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000335	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000038	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000016	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000519	µg/m ³	V0
Tungsten	0.000005	0.000095	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000027	µg/m ³	V0
Lead	0.000018	0.000096	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000010	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220602777
Start Date:	2022-06-22 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-06-23 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	6.167	µg/m ³	V0
Lithium	0.000016	0.000069	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004416	µg/m ³	V0
Magnesium	0.000279	0.014047	µg/m ³	V0
Aluminum	0.002800	0.061462	µg/m ³	V0
Silicon	0.010200	0.128831	µg/m ³	V0
Phosphorus	0.003480	0.021508	µg/m ³	V0
Potassium	0.000402	0.023826	µg/m ³	V0
Calcium	0.013042	0.062014	µg/m ³	V0
Titanium	0.000031	0.002486	µg/m ³	V0
Vanadium	0.000018	0.000209	µg/m ³	V0
Chromium	0.000045	0.000777	µg/m ³	V0
Manganese	0.000028	0.000980	µg/m ³	V0
Iron	0.001585	0.046735	µg/m ³	V0
Cobalt	0.000005	0.000039	µg/m ³	V0
Nickel	0.000015	0.000399	µg/m ³	V0
Copper	0.000027	0.001814	µg/m ³	V0
Zinc	0.000149	0.002310	µg/m ³	V0
Arsenic	0.000005	0.000028	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000072	µg/m ³	V0
Strontium	0.000012	0.000213	µg/m ³	V0
Niobium	0.000006	0.000095	µg/m ³	V0
Molybdenum	0.000025	0.000083	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000329	µg/m ³	V0
Antimony	0.000016	0.000019	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000551	µg/m ³	V0
Lanthanum	0.000004	0.000029	µg/m ³	V0
Cerium	0.000013	0.000066	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000028	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000365	µg/m ³	V0
Tungsten	0.000005	0.000085	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000159	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00
		Set Index:	1
		WBEA ID:	220602804
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		707.1	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Lithium	0.000016	0.000034	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003036	µg/m ³	V0
Magnesium	0.000279	0.009646	µg/m ³	V0
Aluminum	0.002800	0.022235	µg/m ³	V0
Silicon	0.010200	0.058785	µg/m ³	V0
Phosphorus	0.003480	0.006679	µg/m ³	V0
Potassium	0.000402	0.042922	µg/m ³	V0
Calcium	0.013042	0.028143	µg/m ³	V0
Titanium	0.000031	0.000754	µg/m ³	V0
Vanadium	0.000018	0.000047	µg/m ³	V0
Chromium	0.000045	0.001002	µg/m ³	V0
Manganese	0.000028	0.000407	µg/m ³	V0
Iron	0.001585	0.025141	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000436	µg/m ³	V0
Copper	0.000027	0.001455	µg/m ³	V0
Zinc	0.000149	0.002991	µg/m ³	V0
Arsenic	0.000005	0.000024	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000029	µg/m ³	V0
Strontium	0.000012	0.000085	µg/m ³	V0
Niobium	0.000006	0.000140	µg/m ³	V0
Molybdenum	0.000025	0.000078	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000235	µg/m ³	V0
Antimony	0.000016	0.000025	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000324	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000403	µg/m ³	V0
Tungsten	0.000005	0.000150	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000138	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602811
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		715.0	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Lithium	0.000016	0.000035	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007151	µg/m ³	V0
Magnesium	0.000279	0.017028	µg/m ³	V0
Aluminum	0.002800	0.025157	µg/m ³	V0
Silicon	0.010200	0.025019	µg/m ³	V0
Phosphorus	0.003480	0.026463	µg/m ³	V0
Potassium	0.000402	0.050762	µg/m ³	V0
Calcium	0.013042	0.035296	µg/m ³	V0
Titanium	0.000031	0.002143	µg/m ³	V0
Vanadium	0.000018	0.000064	µg/m ³	V0
Chromium	0.000045	0.000794	µg/m ³	V0
Manganese	0.000028	0.001145	µg/m ³	V0
Iron	0.001585	0.016393	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000415	µg/m ³	V0
Copper	0.000027	0.000546	µg/m ³	V0
Zinc	0.000149	0.002333	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000061	µg/m ³	V0
Strontium	0.000012	0.000110	µg/m ³	V0
Niobium	0.000006	0.000151	µg/m ³	V0
Molybdenum	0.000025	0.000167	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000029	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000208	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000450	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000491	µg/m ³	V0
Tungsten	0.000005	0.000269	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000144	µg/m ³	V0
Bismuth	0.000004	0.000045	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602821
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		713.0	mmHg	
Particulate Matter	0.042	3.333	µg/m ³	V0
Lithium	0.000016	0.000034	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.000849	µg/m ³	V0
Magnesium	0.000279	0.006311	µg/m ³	V0
Aluminum	0.002800	0.019948	µg/m ³	V0
Silicon	0.010200	0.018821	µg/m ³	V0
Phosphorus	0.003480	0.016327	µg/m ³	V0
Potassium	0.000402	0.019158	µg/m ³	V0
Calcium	0.013042	0.030404	µg/m ³	V0
Titanium	0.000031	0.001082	µg/m ³	V0
Vanadium	0.000018	0.000129	µg/m ³	V0
Chromium	0.000045	0.000591	µg/m ³	V0
Manganese	0.000028	0.000566	µg/m ³	V0
Iron	0.001585	0.039515	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000248	µg/m ³	V0
Copper	0.000027	0.000142	µg/m ³	V0
Zinc	0.000149	0.000644	µg/m ³	V0
Arsenic	0.000005	0.000258	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000025	µg/m ³	V0
Strontium	0.000012	0.000086	µg/m ³	V0
Niobium	0.000006	0.000254	µg/m ³	V0
Molybdenum	0.000025	0.000222	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000055	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000181	µg/m ³	V0
Antimony	0.000016	0.000059	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000276	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000868	µg/m ³	V0
Tungsten	0.000005	0.000550	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000061	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220602874
Start Date:	2022-06-23 00:00	End Date:	2022-06-23 00:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Temperature		14.6	°C	
Pressure		735.5	mmHg	
Particulate Matter	0.042	0.208	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.000802	µg/m ³	V0
Magnesium	0.000279	0.003667	µg/m ³	V0
Aluminum	0.002800	0.007371	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.017721	µg/m ³	V0
Potassium	0.000402	0.009512	µg/m ³	V0
Calcium	0.013042	0.019350	µg/m ³	V0
Titanium	0.000031	0.000447	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000769	µg/m ³	V0
Manganese	0.000028	0.000147	µg/m ³	V0
Iron	0.001585	0.006922	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000292	µg/m ³	V0
Copper	0.000027	0.000260	µg/m ³	V0
Zinc	0.000149	0.000833	µg/m ³	V0
Arsenic	0.000005	0.000012	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000027	µg/m ³	V0
Niobium	0.000006	0.000179	µg/m ³	V0
Molybdenum	0.000025	0.000057	µg/m ³	V0
Palladium	0.000050	0.000058	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000100	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000083	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000693	µg/m ³	V0
Tungsten	0.000005	0.000124	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000033	µg/m ³	V0
Lead	0.000018	0.000022	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000010	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602869
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in a short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		21.9	m ³	V6
Temperature		18.4	°C	
Pressure		737.4	mmHg	
Particulate Matter	0.042	3.562	µg/m ³	V0
Lithium	0.000016	0.000048	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.009664	µg/m ³	V0
Aluminum	0.002800	0.028121	µg/m ³	V0
Silicon	0.010200	0.048009	µg/m ³	V0
Phosphorus	0.003480	0.023208	µg/m ³	V0
Potassium	0.000402	0.020424	µg/m ³	V0
Calcium	0.013042	0.030583	µg/m ³	V0
Titanium	0.000031	0.001029	µg/m ³	V0
Vanadium	0.000018	0.000076	µg/m ³	V0
Chromium	0.000045	0.000574	µg/m ³	V0
Manganese	0.000028	0.000232	µg/m ³	V0
Iron	0.001585	0.016489	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000395	µg/m ³	V0
Copper	0.000027	0.000257	µg/m ³	V0
Zinc	0.000149	0.002483	µg/m ³	V0
Arsenic	0.000005	0.000363	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000036	µg/m ³	V0
Strontium	0.000012	0.000103	µg/m ³	V0
Niobium	0.000006	0.000132	µg/m ³	V0
Molybdenum	0.000025	0.000096	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000145	µg/m ³	V0
Antimony	0.000016	0.000060	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000289	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000467	µg/m ³	V0
Tungsten	0.000005	0.000192	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000049	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602888
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.2	°C	
Pressure		739.5	mmHg	
Particulate Matter	0.042	5.542	µg/m ³	V0
Lithium	0.000016	0.000039	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005239	µg/m ³	V0
Magnesium	0.000279	0.014160	µg/m ³	V0
Aluminum	0.002800	0.041411	µg/m ³	V0
Silicon	0.010200	0.119911	µg/m ³	V0
Phosphorus	0.003480	0.020254	µg/m ³	V0
Potassium	0.000402	0.024810	µg/m ³	V0
Calcium	0.013042	0.045149	µg/m ³	V0
Titanium	0.000031	0.001878	µg/m ³	V0
Vanadium	0.000018	0.000267	µg/m ³	V0
Chromium	0.000045	0.001214	µg/m ³	V0
Manganese	0.000028	0.000702	µg/m ³	V0
Iron	0.001585	0.043813	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000472	µg/m ³	V0
Copper	0.000027	0.000879	µg/m ³	V0
Zinc	0.000149	0.002357	µg/m ³	V0
Arsenic	0.000005	0.000029	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000048	µg/m ³	V0
Strontium	0.000012	0.000192	µg/m ³	V0
Niobium	0.000006	0.000117	µg/m ³	V0
Molybdenum	0.000025	0.000118	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000372	µg/m ³	V0
Antimony	0.000016	0.000150	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002135	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000048	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000459	µg/m ³	V0
Tungsten	0.000005	0.000149	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000162	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602897
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.7	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	5.708	µg/m ³	V0
Lithium	0.000016	0.000053	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001409	µg/m ³	V0
Magnesium	0.000279	0.010652	µg/m ³	V0
Aluminum	0.002800	0.043098	µg/m ³	V0
Silicon	0.010200	0.080740	µg/m ³	V0
Phosphorus	0.003480	0.016058	µg/m ³	V0
Potassium	0.000402	0.023963	µg/m ³	V0
Calcium	0.013042	0.038098	µg/m ³	V0
Titanium	0.000031	0.001745	µg/m ³	V0
Vanadium	0.000018	0.000162	µg/m ³	V0
Chromium	0.000045	0.001121	µg/m ³	V0
Manganese	0.000028	0.000526	µg/m ³	V0
Iron	0.001585	0.033698	µg/m ³	V0
Cobalt	0.000005	0.000038	µg/m ³	V0
Nickel	0.000015	0.000458	µg/m ³	V0
Copper	0.000027	0.000249	µg/m ³	V0
Zinc	0.000149	0.000723	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000057	µg/m ³	V0
Strontium	0.000012	0.000148	µg/m ³	V0
Niobium	0.000006	0.000075	µg/m ³	V0
Molybdenum	0.000025	0.000078	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000138	µg/m ³	V0
Antimony	0.000016	0.000066	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000600	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000044	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000279	µg/m ³	V0
Tungsten	0.000005	0.000122	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000337	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00
		Set Index:	1
		WBEA ID:	220602904
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		712.8	mmHg	
Particulate Matter	0.042	9.000	µg/m ³	V0
Lithium	0.000016	0.000058	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002457	µg/m ³	V0
Magnesium	0.000279	0.018321	µg/m ³	V0
Aluminum	0.002800	0.045126	µg/m ³	V0
Silicon	0.010200	0.097947	µg/m ³	V0
Phosphorus	0.003480	0.006532	µg/m ³	V0
Potassium	0.000402	0.028395	µg/m ³	V0
Calcium	0.013042	0.048905	µg/m ³	V0
Titanium	0.000031	0.001985	µg/m ³	V0
Vanadium	0.000018	0.000302	µg/m ³	V0
Chromium	0.000045	0.001455	µg/m ³	V0
Manganese	0.000028	0.001238	µg/m ³	V0
Iron	0.001585	0.090154	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000405	µg/m ³	V0
Copper	0.000027	0.000535	µg/m ³	V0
Zinc	0.000149	0.000940	µg/m ³	V0
Arsenic	0.000005	0.000044	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000086	µg/m ³	V0
Strontium	0.000012	0.000213	µg/m ³	V0
Niobium	0.000006	0.000177	µg/m ³	V0
Molybdenum	0.000025	0.000174	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000095	µg/m ³	V0
Antimony	0.000016	0.000099	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000759	µg/m ³	V0
Lanthanum	0.000004	0.000033	µg/m ³	V0
Cerium	0.000013	0.000068	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000026	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000452	µg/m ³	V0
Tungsten	0.000005	0.000194	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000099	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602909
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Filter cartridge broke open upon sample collection. Filter ended up landing on sample deck. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		721.0	mmHg	
Particulate Matter	0.042	6.083	µg/m ³	V0
Lithium	0.000016	0.000127	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012190	µg/m ³	V0
Magnesium	0.000279	0.026615	µg/m ³	V0
Aluminum	0.002800	0.075425	µg/m ³	V0
Silicon	0.010200	0.170457	µg/m ³	V0
Phosphorus	0.003480	0.016246	µg/m ³	V0
Potassium	0.000402	0.038449	µg/m ³	V0
Calcium	0.013042	0.072301	µg/m ³	V0
Titanium	0.000031	0.003495	µg/m ³	V0
Vanadium	0.000018	0.000311	µg/m ³	V0
Chromium	0.000045	0.001608	µg/m ³	V0
Manganese	0.000028	0.001041	µg/m ³	V0
Iron	0.001585	0.051460	µg/m ³	V0
Cobalt	0.000005	0.000099	µg/m ³	V0
Nickel	0.000015	0.000634	µg/m ³	V0
Copper	0.000027	0.001552	µg/m ³	V0
Zinc	0.000149	0.002807	µg/m ³	V0
Arsenic	0.000005	0.000073	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000119	µg/m ³	V0
Strontium	0.000012	0.000307	µg/m ³	V0
Niobium	0.000006	0.000269	µg/m ³	V0
Molybdenum	0.000025	0.000123	µg/m ³	V0
Palladium	0.000050	0.000097	µg/m ³	V0
Silver	0.000006	0.000029	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000104	µg/m ³	V0
Antimony	0.000016	0.000071	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001106	µg/m ³	V0
Lanthanum	0.000004	0.000041	µg/m ³	V0
Cerium	0.000013	0.000086	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000035	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000843	µg/m ³	V0
Tungsten	0.000005	0.000178	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000048	µg/m ³	V0
Lead	0.000018	0.000137	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000024	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



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Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602916
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.6	°C	
Pressure		718.5	mmHg	
Particulate Matter	0.042	4.750	µg/m ³	V0
Lithium	0.000016	0.000076	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.007218	µg/m ³	V0
Aluminum	0.002800	0.017859	µg/m ³	V0
Silicon	0.010200	0.032140	µg/m ³	V0
Phosphorus	0.003480	0.022591	µg/m ³	V0
Potassium	0.000402	0.023992	µg/m ³	V0
Calcium	0.013042	0.024934	µg/m ³	V0
Titanium	0.000031	0.001154	µg/m ³	V0
Vanadium	0.000018	0.000268	µg/m ³	V0
Chromium	0.000045	0.000989	µg/m ³	V0
Manganese	0.000028	0.000354	µg/m ³	V0
Iron	0.001585	0.014665	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000490	µg/m ³	V0
Copper	0.000027	0.000312	µg/m ³	V0
Zinc	0.000149	0.002534	µg/m ³	V0
Arsenic	0.000005	0.000047	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000030	µg/m ³	V0
Strontium	0.000012	0.000069	µg/m ³	V0
Niobium	0.000006	0.000211	µg/m ³	V0
Molybdenum	0.000025	0.000094	µg/m ³	V0
Palladium	0.000050	0.000077	µg/m ³	V0
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000088	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000184	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000803	µg/m ³	V0
Tungsten	0.000005	0.000168	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000041	µg/m ³	V0
Lead	0.000018	0.000067	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



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Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602880
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.0	°C	
Pressure		739.4	mmHg	
Particulate Matter	0.042	3.667	µg/m ³	V0
Lithium	0.000016	0.000108	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008679	µg/m ³	V0
Magnesium	0.000279	0.018571	µg/m ³	V0
Aluminum	0.002800	0.064932	µg/m ³	V0
Silicon	0.010200	0.287616	µg/m ³	V0
Phosphorus	0.003480	0.022480	µg/m ³	V0
Potassium	0.000402	0.067857	µg/m ³	V0
Calcium	0.013042	0.035624	µg/m ³	V0
Titanium	0.000031	0.003679	µg/m ³	V0
Vanadium	0.000018	0.000075	µg/m ³	V0
Chromium	0.000045	0.000802	µg/m ³	V0
Manganese	0.000028	0.000842	µg/m ³	V0
Iron	0.001585	0.036605	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000224	µg/m ³	V0
Copper	0.000027	0.000194	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000085	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000116	µg/m ³	V0
Strontium	0.000012	0.000287	µg/m ³	V0
Niobium	0.000006	0.000182	µg/m ³	V0
Molybdenum	0.000025	0.000067	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000015	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001087	µg/m ³	V0
Lanthanum	0.000004	0.000089	µg/m ³	V0
Cerium	0.000013	0.000181	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000067	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000709	µg/m ³	V0
Tungsten	0.000005	0.000075	µg/m ³	V0
Platinum	0.000004	0.000083	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000050	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000020	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220603004
Start Date:	2022-06-30 14:15	End Date:	2022-06-30 14:16	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	
Particulate Matter	0.042	0.250	µg/m ³	
Lithium	0.000016	0.000068	µg/m ³	
Beryllium	0.000013	0.000004	µg/m ³	
Sodium	0.000777	0.000000	µg/m ³	
Magnesium	0.000279	0.002965	µg/m ³	
Aluminum	0.002800	0.004265	µg/m ³	
Silicon	0.010200	0.064922	µg/m ³	
Phosphorus	0.003480	0.021016	µg/m ³	
Potassium	0.000402	0.033301	µg/m ³	
Calcium	0.013042	0.022028	µg/m ³	
Titanium	0.000031	0.000560	µg/m ³	
Vanadium	0.000018	0.000000	µg/m ³	
Chromium	0.000045	0.000919	µg/m ³	
Manganese	0.000028	0.000175	µg/m ³	
Iron	0.001585	0.007320	µg/m ³	
Cobalt	0.000005	0.000033	µg/m ³	
Nickel	0.000015	0.000412	µg/m ³	
Copper	0.000027	0.000201	µg/m ³	
Zinc	0.000149	0.000241	µg/m ³	
Arsenic	0.000005	0.000121	µg/m ³	
Selenium	0.000133	0.000000	µg/m ³	
Rubidium	0.000003	0.000002	µg/m ³	
Strontium	0.000012	0.000035	µg/m ³	
Niobium	0.000006	0.000242	µg/m ³	
Molybdenum	0.000025	0.000084	µg/m ³	
Palladium	0.000050	0.000008	µg/m ³	
Silver	0.000006	0.000003	µg/m ³	
Cadmium	0.000011	0.000003	µg/m ³	
Tin	0.000008	0.000007	µg/m ³	
Antimony	0.000016	0.000015	µg/m ³	
Cesium	0.000004	0.000001	µg/m ³	
Barium	0.000054	0.000060	µg/m ³	
Lanthanum	0.000004	0.000002	µg/m ³	
Cerium	0.000013	0.000003	µg/m ³	
Praseodymium	0.000002	0.000001	µg/m ³	
Neodymium	0.000005	0.000001	µg/m ³	
Samarium	0.000006	0.000001	µg/m ³	
Tantalum	0.000003	0.001038	µg/m ³	
Tungsten	0.000005	0.000094	µg/m ³	
Platinum	0.000004	0.000107	µg/m ³	
Thallium	0.000005	0.000012	µg/m ³	
Lead	0.000018	0.000013	µg/m ³	
Bismuth	0.000004	0.000000	µg/m ³	
Thorium	0.000002	0.000003	µg/m ³	
Uranium	0.000003	0.000000	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602943
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		738.6	mmHg	
Particulate Matter	0.042	8.125	µg/m ³	V0
Lithium	0.000016	0.000358	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030095	µg/m ³	V0
Magnesium	0.000279	0.048200	µg/m ³	V0
Aluminum	0.002800	0.180445	µg/m ³	V0
Silicon	0.010200	0.618938	µg/m ³	V0
Phosphorus	0.003480	0.022721	µg/m ³	V0
Potassium	0.000402	0.066640	µg/m ³	V0
Calcium	0.013042	0.477123	µg/m ³	V0
Titanium	0.000031	0.009169	µg/m ³	V0
Vanadium	0.000018	0.000500	µg/m ³	V0
Chromium	0.000045	0.001224	µg/m ³	V0
Manganese	0.000028	0.004568	µg/m ³	V0
Iron	0.001585	0.169956	µg/m ³	V0
Cobalt	0.000005	0.000131	µg/m ³	V0
Nickel	0.000015	0.000607	µg/m ³	V0
Copper	0.000027	0.000988	µg/m ³	V0
Zinc	0.000149	0.001082	µg/m ³	V0
Arsenic	0.000005	0.000249	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000324	µg/m ³	V0
Strontium	0.000012	0.001092	µg/m ³	V0
Niobium	0.000006	0.000554	µg/m ³	V0
Molybdenum	0.000025	0.000147	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000145	µg/m ³	V0
Antimony	0.000016	0.000062	µg/m ³	V0
Cesium	0.000004	0.000020	µg/m ³	V0
Barium	0.000054	0.001878	µg/m ³	V0
Lanthanum	0.000004	0.000122	µg/m ³	V0
Cerium	0.000013	0.000266	µg/m ³	V0
Praseodymium	0.000002	0.000032	µg/m ³	V0
Neodymium	0.000005	0.000117	µg/m ³	V0
Samarium	0.000006	0.000023	µg/m ³	V0
Tantalum	0.000003	0.001531	µg/m ³	V0
Tungsten	0.000005	0.000138	µg/m ³	V0
Platinum	0.000004	0.000051	µg/m ³	V0
Thallium	0.000005	0.000025	µg/m ³	V0
Lead	0.000018	0.000135	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000046	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602964
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.7	°C	
Pressure		730.2	mmHg	
Particulate Matter	0.042	8.167	µg/m ³	V0
Lithium	0.000016	0.000285	µg/m ³	V0
Beryllium	0.000013	0.000013	µg/m ³	V0
Sodium	0.000777	0.026595	µg/m ³	V0
Magnesium	0.000279	0.041147	µg/m ³	V0
Aluminum	0.002800	0.139591	µg/m ³	V0
Silicon	0.010200	0.520468	µg/m ³	V0
Phosphorus	0.003480	0.025810	µg/m ³	V0
Potassium	0.000402	0.069679	µg/m ³	V0
Calcium	0.013042	0.151432	µg/m ³	V0
Titanium	0.000031	0.006941	µg/m ³	V0
Vanadium	0.000018	0.000490	µg/m ³	V0
Chromium	0.000045	0.001933	µg/m ³	V0
Manganese	0.000028	0.003632	µg/m ³	V0
Iron	0.001585	0.153290	µg/m ³	V0
Cobalt	0.000005	0.000114	µg/m ³	V0
Nickel	0.000015	0.000763	µg/m ³	V0
Copper	0.000027	0.001005	µg/m ³	V0
Zinc	0.000149	0.003671	µg/m ³	V0
Arsenic	0.000005	0.000205	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000292	µg/m ³	V0
Strontium	0.000012	0.000710	µg/m ³	V0
Niobium	0.000006	0.000660	µg/m ³	V0
Molybdenum	0.000025	0.000187	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	0.000022	µg/m ³	V0
Tin	0.000008	0.000231	µg/m ³	V0
Antimony	0.000016	0.000221	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.003051	µg/m ³	V0
Lanthanum	0.000004	0.000103	µg/m ³	V0
Cerium	0.000013	0.000225	µg/m ³	V0
Praseodymium	0.000002	0.000027	µg/m ³	V0
Neodymium	0.000005	0.000096	µg/m ³	V0
Samarium	0.000006	0.000018	µg/m ³	V0
Tantalum	0.000003	0.001952	µg/m ³	V0
Tungsten	0.000005	0.000201	µg/m ³	V0
Platinum	0.000004	0.000051	µg/m ³	V0
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	0.000204	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000042	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602972
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.0	°C	
Pressure		740.5	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Lithium	0.000016	0.000079	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002265	µg/m ³	V0
Magnesium	0.000279	0.009741	µg/m ³	V0
Aluminum	0.002800	0.025355	µg/m ³	V0
Silicon	0.010200	0.102054	µg/m ³	V0
Phosphorus	0.003480	0.022018	µg/m ³	V0
Potassium	0.000402	0.022049	µg/m ³	V0
Calcium	0.013042	0.044006	µg/m ³	V0
Titanium	0.000031	0.002394	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000691	µg/m ³	V0
Manganese	0.000028	0.000696	µg/m ³	V0
Iron	0.001585	0.029963	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000230	µg/m ³	V0
Copper	0.000027	0.000361	µg/m ³	V0
Zinc	0.000149	0.001247	µg/m ³	V0
Arsenic	0.000005	0.000135	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000068	µg/m ³	V0
Strontium	0.000012	0.000159	µg/m ³	V0
Niobium	0.000006	0.000159	µg/m ³	V0
Molybdenum	0.000025	0.000117	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000097	µg/m ³	V0
Antimony	0.000016	0.000125	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001176	µg/m ³	V0
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000036	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000644	µg/m ³	V0
Tungsten	0.000005	0.000070	µg/m ³	V0
Platinum	0.000004	0.000083	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000071	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220602982
Start Date:	2022-07-04 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-07-05 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.0	°C	
Pressure		742.0	mmHg	
Particulate Matter	0.042	2.042	µg/m ³	V0
Lithium	0.000016	0.000094	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007776	µg/m ³	V0
Magnesium	0.000279	0.013728	µg/m ³	V0
Aluminum	0.002800	0.051704	µg/m ³	V0
Silicon	0.010200	0.163978	µg/m ³	V0
Phosphorus	0.003480	0.021532	µg/m ³	V0
Potassium	0.000402	0.022605	µg/m ³	V0
Calcium	0.013042	0.045776	µg/m ³	V0
Titanium	0.000031	0.002691	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000403	µg/m ³	V0
Manganese	0.000028	0.000896	µg/m ³	V0
Iron	0.001585	0.019904	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000204	µg/m ³	V0
Copper	0.000027	0.000244	µg/m ³	V0
Zinc	0.000149	0.000456	µg/m ³	V0
Arsenic	0.000005	0.000121	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000076	µg/m ³	V0
Strontium	0.000012	0.000201	µg/m ³	V0
Niobium	0.000006	0.000547	µg/m ³	V0
Molybdenum	0.000025	0.000119	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000018	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000704	µg/m ³	V0
Lanthanum	0.000004	0.000043	µg/m ³	V0
Cerium	0.000013	0.000085	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000034	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001287	µg/m ³	V0
Tungsten	0.000005	0.000190	µg/m ³	V0
Platinum	0.000004	0.000083	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000041	µg/m ³	V0
Bismuth	0.000004	0.000026	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602993
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.4	°C	
Pressure		713.0	mmHg	
Particulate Matter	0.042	7.250	µg/m ³	V0
Lithium	0.000016	0.000098	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008370	µg/m ³	V0
Magnesium	0.000279	0.020633	µg/m ³	V0
Aluminum	0.002800	0.050439	µg/m ³	V0
Silicon	0.010200	0.185585	µg/m ³	V0
Phosphorus	0.003480	0.022602	µg/m ³	V0
Potassium	0.000402	0.030142	µg/m ³	V0
Calcium	0.013042	0.056373	µg/m ³	V0
Titanium	0.000031	0.002678	µg/m ³	V0
Vanadium	0.000018	0.000103	µg/m ³	V0
Chromium	0.000045	0.000543	µg/m ³	V0
Manganese	0.000028	0.000870	µg/m ³	V0
Iron	0.001585	0.042386	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000216	µg/m ³	V0
Copper	0.000027	0.000120	µg/m ³	V0
Zinc	0.000149	0.000986	µg/m ³	V0
Arsenic	0.000005	0.000167	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000129	µg/m ³	V0
Strontium	0.000012	0.000231	µg/m ³	V0
Niobium	0.000006	0.000220	µg/m ³	V0
Molybdenum	0.000025	0.000057	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000624	µg/m ³	V0
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	0.000071	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000029	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000862	µg/m ³	V0
Tungsten	0.000005	0.000078	µg/m ³	V0
Platinum	0.000004	0.000065	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000080	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220603000
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.8	°C	
Pressure		721.3	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Lithium	0.000016	0.000069	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003162	µg/m ³	V0
Aluminum	0.002800	0.006109	µg/m ³	V0
Silicon	0.010200	0.141613	µg/m ³	V0
Phosphorus	0.003480	0.019696	µg/m ³	V0
Potassium	0.000402	0.021896	µg/m ³	V0
Calcium	0.013042	0.020392	µg/m ³	V0
Titanium	0.000031	0.001393	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000562	µg/m ³	V0
Manganese	0.000028	0.000233	µg/m ³	V0
Iron	0.001585	0.006802	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000290	µg/m ³	V0
Copper	0.000027	0.000168	µg/m ³	V0
Zinc	0.000149	0.000312	µg/m ³	V0
Arsenic	0.000005	0.000124	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000055	µg/m ³	V0
Strontium	0.000012	0.000044	µg/m ³	V0
Niobium	0.000006	0.000459	µg/m ³	V0
Molybdenum	0.000025	0.000103	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000045	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000123	µg/m ³	V0
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001514	µg/m ³	V0
Tungsten	0.000005	0.000128	µg/m ³	V0
Platinum	0.000004	0.000072	µg/m ³	V0
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.000055	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220603008
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		719.4	mmHg	
Particulate Matter	0.042	4.167	µg/m ³	V0
Lithium	0.000016	0.000069	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003672	µg/m ³	V0
Aluminum	0.002800	0.007750	µg/m ³	V0
Silicon	0.010200	0.102622	µg/m ³	V0
Phosphorus	0.003480	0.021528	µg/m ³	V0
Potassium	0.000402	0.017790	µg/m ³	V0
Calcium	0.013042	0.022360	µg/m ³	V0
Titanium	0.000031	0.000508	µg/m ³	V0
Vanadium	0.000018	0.000062	µg/m ³	V0
Chromium	0.000045	0.001094	µg/m ³	V0
Manganese	0.000028	0.000290	µg/m ³	V0
Iron	0.001585	0.013901	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000333	µg/m ³	V0
Copper	0.000027	0.000053	µg/m ³	V0
Zinc	0.000149	0.000168	µg/m ³	V0
Arsenic	0.000005	0.000099	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000035	µg/m ³	V0
Strontium	0.000012	0.000043	µg/m ³	V0
Niobium	0.000006	0.000302	µg/m ³	V0
Molybdenum	0.000025	0.000086	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000049	µg/m ³	V0
Antimony	0.000016	0.000019	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001187	µg/m ³	V0
Tungsten	0.000005	0.000084	µg/m ³	V0
Platinum	0.000004	0.000077	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000042	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220703024
Start Date:	2022-07-05 11:40	End Date:	2022-07-05 11:41	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000066	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.041228	µg/m ³	V0
Magnesium	0.000279	0.002154	µg/m ³	V0
Aluminum	0.002800	0.003595	µg/m ³	V0
Silicon	0.010200	0.088467	µg/m ³	V0
Phosphorus	0.003480	0.017728	µg/m ³	V0
Potassium	0.000402	0.011725	µg/m ³	V0
Calcium	0.013042	0.014042	µg/m ³	V0
Titanium	0.000031	0.000278	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000518	µg/m ³	V0
Manganese	0.000028	0.000076	µg/m ³	V0
Iron	0.001585	0.004142	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000255	µg/m ³	V0
Copper	0.000027	0.000149	µg/m ³	V0
Zinc	0.000149	0.001238	µg/m ³	V0
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000018	µg/m ³	V0
Niobium	0.000006	0.000280	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000034	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000061	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000994	µg/m ³	V0
Tungsten	0.000005	0.000099	µg/m ³	V0
Platinum	0.000004	0.000060	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703016
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.9	°C	
Pressure		715.8	mmHg	
Particulate Matter	0.042	4.458	µg/m ³	V0
Lithium	0.000016	0.000068	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005487	µg/m ³	V0
Aluminum	0.002800	0.015641	µg/m ³	V0
Silicon	0.010200	0.058314	µg/m ³	V0
Phosphorus	0.003480	0.023127	µg/m ³	V0
Potassium	0.000402	0.027607	µg/m ³	V0
Calcium	0.013042	0.034830	µg/m ³	V0
Titanium	0.000031	0.001543	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000806	µg/m ³	V0
Manganese	0.000028	0.000299	µg/m ³	V0
Iron	0.001585	0.013939	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000761	µg/m ³	V0
Copper	0.000027	0.000137	µg/m ³	V0
Zinc	0.000149	0.000174	µg/m ³	V0
Arsenic	0.000005	0.000133	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000072	µg/m ³	V0
Strontium	0.000012	0.000079	µg/m ³	V0
Niobium	0.000006	0.002149	µg/m ³	V0
Molybdenum	0.000025	0.000531	µg/m ³	V0
Palladium	0.000050	0.000121	µg/m ³	V0
Silver	0.000006	0.000082	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000218	µg/m ³	V0
Antimony	0.000016	0.000167	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000172	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.010159	µg/m ³	V0
Tungsten	0.000005	0.004296	µg/m ³	V0
Platinum	0.000004	0.000076	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000043	µg/m ³	V0
Bismuth	0.000004	0.000022	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703028
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.6	°C	
Pressure		708.3	mmHg	
Particulate Matter	0.042	3.625	µg/m ³	V0
Lithium	0.000016	0.000085	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.007311	µg/m ³	V0
Aluminum	0.002800	0.023449	µg/m ³	V0
Silicon	0.010200	0.155870	µg/m ³	V0
Phosphorus	0.003480	0.024397	µg/m ³	V0
Potassium	0.000402	0.025617	µg/m ³	V0
Calcium	0.013042	0.029041	µg/m ³	V0
Titanium	0.000031	0.001269	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000544	µg/m ³	V0
Manganese	0.000028	0.000417	µg/m ³	V0
Iron	0.001585	0.024267	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000233	µg/m ³	V0
Copper	0.000027	0.000188	µg/m ³	V0
Zinc	0.000149	0.000431	µg/m ³	V0
Arsenic	0.000005	0.000074	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000068	µg/m ³	V0
Strontium	0.000012	0.000135	µg/m ³	V0
Niobium	0.000006	0.000361	µg/m ³	V0
Molybdenum	0.000025	0.000071	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000072	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000296	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001210	µg/m ³	V0
Tungsten	0.000005	0.000095	µg/m ³	V0
Platinum	0.000004	0.000062	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000061	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703053	
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	3.542	µg/m ³	V0
Lithium	0.000016	0.000077	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.004815	µg/m ³	V0
Aluminum	0.002800	0.018364	µg/m ³	V0
Silicon	0.010200	0.064301	µg/m ³	V0
Phosphorus	0.003480	0.022182	µg/m ³	V0
Potassium	0.000402	0.019260	µg/m ³	V0
Calcium	0.013042	0.025152	µg/m ³	V0
Titanium	0.000031	0.001563	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000580	µg/m ³	V0
Manganese	0.000028	0.000273	µg/m ³	V0
Iron	0.001585	0.013321	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000314	µg/m ³	V0
Copper	0.000027	0.000111	µg/m ³	V0
Zinc	0.000149	0.000618	µg/m ³	V0
Arsenic	0.000005	0.000158	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000038	µg/m ³	V0
Strontium	0.000012	0.000083	µg/m ³	V0
Niobium	0.000006	0.000769	µg/m ³	V0
Molybdenum	0.000025	0.000183	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000029	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000045	µg/m ³	V0
Antimony	0.000016	0.000051	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000176	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001788	µg/m ³	V0
Tungsten	0.000005	0.000397	µg/m ³	V0
Platinum	0.000004	0.000077	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000026	µg/m ³	V0
Bismuth	0.000004	0.000040	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703074
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		733.6	mmHg	
Particulate Matter	0.042	4.875	µg/m ³	V0
Lithium	0.000016	0.000080	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001390	µg/m ³	V0
Magnesium	0.000279	0.008568	µg/m ³	V0
Aluminum	0.002800	0.026074	µg/m ³	V0
Silicon	0.010200	0.117396	µg/m ³	V0
Phosphorus	0.003480	0.018344	µg/m ³	V0
Potassium	0.000402	0.031919	µg/m ³	V0
Calcium	0.013042	0.045672	µg/m ³	V0
Titanium	0.000031	0.001510	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000655	µg/m ³	V0
Manganese	0.000028	0.000509	µg/m ³	V0
Iron	0.001585	0.027734	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000370	µg/m ³	V0
Copper	0.000027	0.000354	µg/m ³	V0
Zinc	0.000149	0.001931	µg/m ³	V0
Arsenic	0.000005	0.000158	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000071	µg/m ³	V0
Strontium	0.000012	0.000154	µg/m ³	V0
Niobium	0.000006	0.000635	µg/m ³	V0
Molybdenum	0.000025	0.000195	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000097	µg/m ³	V0
Antimony	0.000016	0.000118	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001429	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001644	µg/m ³	V0
Tungsten	0.000005	0.000278	µg/m ³	V0
Platinum	0.000004	0.000072	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000037	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703082
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		713.1	mmHg	
Particulate Matter	0.042	3.750	µg/m ³	V0
Lithium	0.000016	0.000061	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005259	µg/m ³	V0
Aluminum	0.002800	0.013475	µg/m ³	V0
Silicon	0.010200	0.046994	µg/m ³	V0
Phosphorus	0.003480	0.020246	µg/m ³	V0
Potassium	0.000402	0.026267	µg/m ³	V0
Calcium	0.013042	0.026265	µg/m ³	V0
Titanium	0.000031	0.002343	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001491	µg/m ³	V0
Manganese	0.000028	0.000285	µg/m ³	V0
Iron	0.001585	0.020486	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000608	µg/m ³	V0
Copper	0.000027	0.000077	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000361	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000059	µg/m ³	V0
Strontium	0.000012	0.000065	µg/m ³	V0
Niobium	0.000006	0.000344	µg/m ³	V0
Molybdenum	0.000025	0.000255	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000155	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001019	µg/m ³	V0
Tungsten	0.000005	0.000157	µg/m ³	V0
Platinum	0.000004	0.000076	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000034	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703090
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		723.3	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Lithium	0.000016	0.000089	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.009621	µg/m ³	V0
Aluminum	0.002800	0.034185	µg/m ³	V0
Silicon	0.010200	0.121752	µg/m ³	V0
Phosphorus	0.003480	0.019467	µg/m ³	V0
Potassium	0.000402	0.028406	µg/m ³	V0
Calcium	0.013042	0.048238	µg/m ³	V0
Titanium	0.000031	0.001456	µg/m ³	V0
Vanadium	0.000018	0.000106	µg/m ³	V0
Chromium	0.000045	0.001840	µg/m ³	V0
Manganese	0.000028	0.000587	µg/m ³	V0
Iron	0.001585	0.031257	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000349	µg/m ³	V0
Copper	0.000027	0.000189	µg/m ³	V0
Zinc	0.000149	0.000799	µg/m ³	V0
Arsenic	0.000005	0.000148	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000078	µg/m ³	V0
Strontium	0.000012	0.000147	µg/m ³	V0
Niobium	0.000006	0.000365	µg/m ³	V0
Molybdenum	0.000025	0.000135	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000014	µg/m ³	V0
Antimony	0.000016	0.000244	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000440	µg/m ³	V0
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000033	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000983	µg/m ³	V0
Tungsten	0.000005	0.000166	µg/m ³	V0
Platinum	0.000004	0.000074	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000039	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703094
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.5	°C	
Pressure		733.1	mmHg	
Particulate Matter	0.042	1.958	µg/m ³	V0
Lithium	0.000016	0.000073	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002226	µg/m ³	V0
Magnesium	0.000279	0.007340	µg/m ³	V0
Aluminum	0.002800	0.023308	µg/m ³	V0
Silicon	0.010200	0.073905	µg/m ³	V0
Phosphorus	0.003480	0.020848	µg/m ³	V0
Potassium	0.000402	0.016816	µg/m ³	V0
Calcium	0.013042	0.033356	µg/m ³	V0
Titanium	0.000031	0.001029	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000846	µg/m ³	V0
Manganese	0.000028	0.000582	µg/m ³	V0
Iron	0.001585	0.020045	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000258	µg/m ³	V0
Copper	0.000027	0.000123	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000069	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.000098	µg/m ³	V0
Niobium	0.000006	0.000126	µg/m ³	V0
Molybdenum	0.000025	0.000078	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000289	µg/m ³	V0
Lanthanum	0.000004	0.000021	µg/m ³	V0
Cerium	0.000013	0.000044	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000498	µg/m ³	V0
Tungsten	0.000005	0.000067	µg/m ³	V0
Platinum	0.000004	0.000078	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000030	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220703110
Start Date:	2022-07-11 13:30	End Date:	2022-07-11 13:31	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000065	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001530	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.034433	µg/m ³	V0
Phosphorus	0.003480	0.016894	µg/m ³	V0
Potassium	0.000402	0.006756	µg/m ³	V0
Calcium	0.013042	0.013427	µg/m ³	V0
Titanium	0.000031	0.000284	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000957	µg/m ³	V0
Manganese	0.000028	0.000149	µg/m ³	V0
Iron	0.001585	0.007864	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000338	µg/m ³	V0
Copper	0.000027	0.000148	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000138	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000019	µg/m ³	V0
Niobium	0.000006	0.000344	µg/m ³	V0
Molybdenum	0.000025	0.000073	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000027	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001090	µg/m ³	V0
Tungsten	0.000005	0.000214	µg/m ³	V0
Platinum	0.000004	0.000077	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703104
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.6	°C	
Pressure		707.5	mmHg	
Particulate Matter	0.042	9.042	µg/m ³	V0
Lithium	0.000016	0.000223	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.029501	µg/m ³	V0
Magnesium	0.000279	0.077175	µg/m ³	V0
Aluminum	0.002800	0.132821	µg/m ³	V0
Silicon	0.010200	0.440265	µg/m ³	V0
Phosphorus	0.003480	0.024176	µg/m ³	V0
Potassium	0.000402	0.069992	µg/m ³	V0
Calcium	0.013042	0.256836	µg/m ³	V0
Titanium	0.000031	0.007429	µg/m ³	V0
Vanadium	0.000018	0.000439	µg/m ³	V0
Chromium	0.000045	0.000906	µg/m ³	V0
Manganese	0.000028	0.003433	µg/m ³	V0
Iron	0.001585	0.168311	µg/m ³	V0
Cobalt	0.000005	0.000111	µg/m ³	V0
Nickel	0.000015	0.000445	µg/m ³	V0
Copper	0.000027	0.000548	µg/m ³	V0
Zinc	0.000149	0.001789	µg/m ³	V0
Arsenic	0.000005	0.000177	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000271	µg/m ³	V0
Strontium	0.000012	0.000914	µg/m ³	V0
Niobium	0.000006	0.001982	µg/m ³	V0
Molybdenum	0.000025	0.000404	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000060	µg/m ³	V0
Cadmium	0.000011	0.000031	µg/m ³	V0
Tin	0.000008	0.000213	µg/m ³	V0
Antimony	0.000016	0.000355	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.002352	µg/m ³	V0
Lanthanum	0.000004	0.000209	µg/m ³	V0
Cerium	0.000013	0.000411	µg/m ³	V0
Praseodymium	0.000002	0.000036	µg/m ³	V0
Neodymium	0.000005	0.000125	µg/m ³	V0
Samarium	0.000006	0.000022	µg/m ³	V0
Tantalum	0.000003	0.007072	µg/m ³	V0
Tungsten	0.000005	0.003333	µg/m ³	V0
Platinum	0.000004	0.000065	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000309	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000045	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703114
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.9	°C	
Pressure		715.2	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Lithium	0.000016	0.000111	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008295	µg/m ³	V0
Magnesium	0.000279	0.012498	µg/m ³	V0
Aluminum	0.002800	0.037518	µg/m ³	V0
Silicon	0.010200	0.427485	µg/m ³	V0
Phosphorus	0.003480	0.021697	µg/m ³	V0
Potassium	0.000402	0.029597	µg/m ³	V0
Calcium	0.013042	0.036588	µg/m ³	V0
Titanium	0.000031	0.001784	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000920	µg/m ³	V0
Manganese	0.000028	0.000864	µg/m ³	V0
Iron	0.001585	0.031574	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000355	µg/m ³	V0
Copper	0.000027	0.000542	µg/m ³	V0
Zinc	0.000149	0.001153	µg/m ³	V0
Arsenic	0.000005	0.000356	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000086	µg/m ³	V0
Strontium	0.000012	0.000158	µg/m ³	V0
Niobium	0.000006	0.000967	µg/m ³	V0
Molybdenum	0.000025	0.000118	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	0.000047	µg/m ³	V0
Tin	0.000008	0.000279	µg/m ³	V0
Antimony	0.000016	0.000146	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000640	µg/m ³	V0
Lanthanum	0.000004	0.000046	µg/m ³	V0
Cerium	0.000013	0.000053	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000023	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.002647	µg/m ³	V0
Tungsten	0.000005	0.000186	µg/m ³	V0
Platinum	0.000004	0.000047	µg/m ³	V0
Thallium	0.000005	0.000042	µg/m ³	V0
Lead	0.000018	0.000591	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000032	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703136
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(88020/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.4	m ³	V6
Temperature		20.8	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	4.795	µg/m ³	V0
Lithium	0.000016	0.000115	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002421	µg/m ³	V0
Magnesium	0.000279	0.007187	µg/m ³	V0
Aluminum	0.002800	0.029144	µg/m ³	V0
Silicon	0.010200	0.088418	µg/m ³	V0
Phosphorus	0.003480	0.020204	µg/m ³	V0
Potassium	0.000402	0.034054	µg/m ³	V0
Calcium	0.013042	0.039902	µg/m ³	V0
Titanium	0.000031	0.001196	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001112	µg/m ³	V0
Manganese	0.000028	0.000516	µg/m ³	V0
Iron	0.001585	0.024286	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000279	µg/m ³	V0
Copper	0.000027	0.000160	µg/m ³	V0
Zinc	0.000149	0.000595	µg/m ³	V0
Arsenic	0.000005	0.000237	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000053	µg/m ³	V0
Strontium	0.000012	0.000126	µg/m ³	V0
Niobium	0.000006	0.000935	µg/m ³	V0
Molybdenum	0.000025	0.000959	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000150	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000204	µg/m ³	V0
Antimony	0.000016	0.000234	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000288	µg/m ³	V0
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000029	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.006889	µg/m ³	V0
Tungsten	0.000005	0.004546	µg/m ³	V0
Platinum	0.000004	0.000064	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000080	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703145
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		23.9	°C	
Pressure		734.2	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Lithium	0.000016	0.000072	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.006684	µg/m ³	V0
Aluminum	0.002800	0.019302	µg/m ³	V0
Silicon	0.010200	0.105993	µg/m ³	V0
Phosphorus	0.003480	0.018477	µg/m ³	V0
Potassium	0.000402	0.018187	µg/m ³	V0
Calcium	0.013042	0.028039	µg/m ³	V0
Titanium	0.000031	0.001631	µg/m ³	V0
Vanadium	0.000018	0.000086	µg/m ³	V0
Chromium	0.000045	0.001944	µg/m ³	V0
Manganese	0.000028	0.000473	µg/m ³	V0
Iron	0.001585	0.025043	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000300	µg/m ³	V0
Copper	0.000027	0.000076	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000223	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000039	µg/m ³	V0
Strontium	0.000012	0.000112	µg/m ³	V0
Niobium	0.000006	0.000226	µg/m ³	V0
Molybdenum	0.000025	0.000085	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000339	µg/m ³	V0
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000029	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000792	µg/m ³	V0
Tungsten	0.000005	0.000070	µg/m ³	V0
Platinum	0.000004	0.000084	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000023	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703161
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.6	°C	
Pressure		713.0	mmHg	
Particulate Matter	0.042	4.333	µg/m ³	V0
Lithium	0.000016	0.000065	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005494	µg/m ³	V0
Aluminum	0.002800	0.018631	µg/m ³	V0
Silicon	0.010200	0.063523	µg/m ³	V0
Phosphorus	0.003480	0.020183	µg/m ³	V0
Potassium	0.000402	0.025137	µg/m ³	V0
Calcium	0.013042	0.034994	µg/m ³	V0
Titanium	0.000031	0.000833	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001108	µg/m ³	V0
Manganese	0.000028	0.000413	µg/m ³	V0
Iron	0.001585	0.016931	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000364	µg/m ³	V0
Copper	0.000027	0.000082	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000111	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000053	µg/m ³	V0
Strontium	0.000012	0.000086	µg/m ³	V0
Niobium	0.000006	0.000143	µg/m ³	V0
Molybdenum	0.000025	0.000055	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000024	µg/m ³	V0
Antimony	0.000016	0.000025	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000200	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000615	µg/m ³	V0
Tungsten	0.000005	0.000072	µg/m ³	V0
Platinum	0.000004	0.000084	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000084	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703164
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had a filter temp status code.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.0	°C	
Pressure		733.2	mmHg	
Particulate Matter	0.042	5.500	µg/m ³	V0
Lithium	0.000016	0.000088	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007810	µg/m ³	V0
Magnesium	0.000279	0.015921	µg/m ³	V0
Aluminum	0.002800	0.042676	µg/m ³	V0
Silicon	0.010200	0.099730	µg/m ³	V0
Phosphorus	0.003480	0.023379	µg/m ³	V0
Potassium	0.000402	0.146216	µg/m ³	V0
Calcium	0.013042	0.047005	µg/m ³	V0
Titanium	0.000031	0.002088	µg/m ³	V0
Vanadium	0.000018	0.000301	µg/m ³	V0
Chromium	0.000045	0.001165	µg/m ³	V0
Manganese	0.000028	0.000871	µg/m ³	V0
Iron	0.001585	0.038229	µg/m ³	V0
Cobalt	0.000005	0.000056	µg/m ³	V0
Nickel	0.000015	0.000598	µg/m ³	V0
Copper	0.000027	0.002155	µg/m ³	V0
Zinc	0.000149	0.000994	µg/m ³	V0
Arsenic	0.000005	0.000157	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000083	µg/m ³	V0
Strontium	0.000012	0.001275	µg/m ³	V0
Niobium	0.000006	0.000243	µg/m ³	V0
Molybdenum	0.000025	0.000227	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000176	µg/m ³	V0
Antimony	0.000016	0.000169	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002179	µg/m ³	V0
Lanthanum	0.000004	0.000029	µg/m ³	V0
Cerium	0.000013	0.000053	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000875	µg/m ³	V0
Tungsten	0.000005	0.000339	µg/m ³	V0
Platinum	0.000004	0.000073	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000193	µg/m ³	V0
Bismuth	0.000004	0.000539	µg/m ³	V4
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703174
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.8	°C	
Pressure		723.4	mmHg	
Particulate Matter	0.042	4.750	µg/m ³	V0
Lithium	0.000016	0.000083	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008239	µg/m ³	V0
Magnesium	0.000279	0.009862	µg/m ³	V0
Aluminum	0.002800	0.032556	µg/m ³	V0
Silicon	0.010200	0.069160	µg/m ³	V0
Phosphorus	0.003480	0.026424	µg/m ³	V0
Potassium	0.000402	0.038618	µg/m ³	V0
Calcium	0.013042	0.047197	µg/m ³	V0
Titanium	0.000031	0.001552	µg/m ³	V0
Vanadium	0.000018	0.000782	µg/m ³	V0
Chromium	0.000045	0.000926	µg/m ³	V0
Manganese	0.000028	0.000627	µg/m ³	V0
Iron	0.001585	0.023569	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000437	µg/m ³	V0
Copper	0.000027	0.000619	µg/m ³	V0
Zinc	0.000149	0.000809	µg/m ³	V0
Arsenic	0.000005	0.000238	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000061	µg/m ³	V0
Strontium	0.000012	0.000155	µg/m ³	V0
Niobium	0.000006	0.000370	µg/m ³	V0
Molybdenum	0.000025	0.000588	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000036	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000119	µg/m ³	V0
Antimony	0.000016	0.000114	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000442	µg/m ³	V0
Lanthanum	0.000004	0.000024	µg/m ³	V0
Cerium	0.000013	0.000040	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000016	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001191	µg/m ³	V0
Tungsten	0.000005	0.000459	µg/m ³	V0
Platinum	0.000004	0.000071	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000146	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220703207
Start Date:	2022-07-19 11:45	End Date:	2022-07-19 11:46	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000044	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002043	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.011296	µg/m ³	V0
Phosphorus	0.003480	0.019847	µg/m ³	V0
Potassium	0.000402	0.005746	µg/m ³	V0
Calcium	0.013042	0.017937	µg/m ³	V0
Titanium	0.000031	0.000308	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000372	µg/m ³	V0
Manganese	0.000028	0.000036	µg/m ³	V0
Iron	0.001585	0.003596	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000115	µg/m ³	V0
Copper	0.000027	0.000063	µg/m ³	V0
Zinc	0.000149	0.001170	µg/m ³	V0
Arsenic	0.000005	0.000114	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000016	µg/m ³	V0
Niobium	0.000006	0.000215	µg/m ³	V0
Molybdenum	0.000025	0.000086	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000949	µg/m ³	V0
Tungsten	0.000005	0.000162	µg/m ³	V0
Platinum	0.000004	0.000074	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703189
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.6	°C	
Pressure		709.9	mmHg	
Particulate Matter	0.042	2.542	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005081	µg/m ³	V0
Aluminum	0.002800	0.009199	µg/m ³	V0
Silicon	0.010200	0.044134	µg/m ³	V0
Phosphorus	0.003480	0.017903	µg/m ³	V0
Potassium	0.000402	0.016457	µg/m ³	V0
Calcium	0.013042	0.027769	µg/m ³	V0
Titanium	0.000031	0.000522	µg/m ³	V0
Vanadium	0.000018	0.000061	µg/m ³	V0
Chromium	0.000045	0.001139	µg/m ³	V0
Manganese	0.000028	0.000230	µg/m ³	V0
Iron	0.001585	0.014032	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000256	µg/m ³	V0
Copper	0.000027	0.000088	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000140	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000018	µg/m ³	V0
Strontium	0.000012	0.000050	µg/m ³	V0
Niobium	0.000006	0.000168	µg/m ³	V0
Molybdenum	0.000025	0.000087	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000075	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000076	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000755	µg/m ³	V0
Tungsten	0.000005	0.000081	µg/m ³	V0
Platinum	0.000004	0.000092	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000019	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703202
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.2	°C	
Pressure		717.6	mmHg	
Particulate Matter	0.042	2.375	µg/m ³	V0
Lithium	0.000016	0.000049	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001112	µg/m ³	V0
Magnesium	0.000279	0.003320	µg/m ³	V0
Aluminum	0.002800	0.004174	µg/m ³	V0
Silicon	0.010200	0.015935	µg/m ³	V0
Phosphorus	0.003480	0.021279	µg/m ³	V0
Potassium	0.000402	0.019299	µg/m ³	V0
Calcium	0.013042	0.016328	µg/m ³	V0
Titanium	0.000031	0.000419	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000291	µg/m ³	V0
Manganese	0.000028	0.000122	µg/m ³	V0
Iron	0.001585	0.005587	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000110	µg/m ³	V0
Copper	0.000027	0.000061	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000103	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000022	µg/m ³	V0
Strontium	0.000012	0.000024	µg/m ³	V0
Niobium	0.000006	0.000218	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000008	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000839	µg/m ³	V0
Tungsten	0.000005	0.000426	µg/m ³	V0
Platinum	0.000004	0.000092	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000020	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703211
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.1	°C	
Pressure		734.6	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Lithium	0.000016	0.000063	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.004149	µg/m ³	V0
Aluminum	0.002800	0.013959	µg/m ³	V0
Silicon	0.010200	0.040435	µg/m ³	V0
Phosphorus	0.003480	0.022117	µg/m ³	V0
Potassium	0.000402	0.028138	µg/m ³	V0
Calcium	0.013042	0.021038	µg/m ³	V0
Titanium	0.000031	0.000682	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000767	µg/m ³	V0
Manganese	0.000028	0.000232	µg/m ³	V0
Iron	0.001585	0.011483	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000325	µg/m ³	V0
Copper	0.000027	0.000116	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000194	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000028	µg/m ³	V0
Strontium	0.000012	0.000053	µg/m ³	V0
Niobium	0.000006	0.000183	µg/m ³	V0
Molybdenum	0.000025	0.000089	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000068	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000165	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000924	µg/m ³	V0
Tungsten	0.000005	0.000155	µg/m ³	V0
Platinum	0.000004	0.000077	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000019	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703229
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		739.3	mmHg	
Particulate Matter	0.042	1.458	µg/m ³	V0
Lithium	0.000016	0.000061	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009131	µg/m ³	V0
Magnesium	0.000279	0.005251	µg/m ³	V0
Aluminum	0.002800	0.013465	µg/m ³	V0
Silicon	0.010200	0.035118	µg/m ³	V0
Phosphorus	0.003480	0.020440	µg/m ³	V0
Potassium	0.000402	0.018594	µg/m ³	V0
Calcium	0.013042	0.023959	µg/m ³	V0
Titanium	0.000031	0.000739	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000649	µg/m ³	V0
Manganese	0.000028	0.000169	µg/m ³	V0
Iron	0.001585	0.007962	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000337	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000172	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000028	µg/m ³	V0
Strontium	0.000012	0.000055	µg/m ³	V0
Niobium	0.000006	0.000269	µg/m ³	V0
Molybdenum	0.000025	0.000067	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000083	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000781	µg/m ³	V0
Tungsten	0.000005	0.000115	µg/m ³	V0
Platinum	0.000004	0.000076	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000020	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Metal**
Location: **Anzac**
Start Date: **2022-07-22 00:00**

Samp Use: **Exposure**
Loc ID: **ANZC**
End Date: **2022-07-23 00:00**

Set Index: **1**
WBEA ID: **220703237**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.8	°C	
Pressure		715.6	mmHg	
Particulate Matter	0.042	1.875	µg/m ³	V0
Lithium	0.000016	0.000045	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002298	µg/m ³	V0
Aluminum	0.002800	0.002916	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021600	µg/m ³	V0
Potassium	0.000402	0.014714	µg/m ³	V0
Calcium	0.013042	0.015494	µg/m ³	V0
Titanium	0.000031	0.000319	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000981	µg/m ³	V0
Manganese	0.000028	0.000206	µg/m ³	V0
Iron	0.001585	0.007331	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000362	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000114	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000014	µg/m ³	V0
Strontium	0.000012	0.000023	µg/m ³	V0
Niobium	0.000006	0.000144	µg/m ³	V0
Molybdenum	0.000025	0.000093	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000736	µg/m ³	V0
Tungsten	0.000005	0.000111	µg/m ³	V0
Platinum	0.000004	0.000072	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000034	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703242
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		736.5	mmHg	
Particulate Matter	0.042	3.375	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003658	µg/m ³	V0
Magnesium	0.000279	0.006865	µg/m ³	V0
Aluminum	0.002800	0.010583	µg/m ³	V0
Silicon	0.010200	0.013444	µg/m ³	V0
Phosphorus	0.003480	0.026009	µg/m ³	V0
Potassium	0.000402	0.019469	µg/m ³	V0
Calcium	0.013042	0.034319	µg/m ³	V0
Titanium	0.000031	0.000962	µg/m ³	V0
Vanadium	0.000018	0.000355	µg/m ³	V0
Chromium	0.000045	0.000790	µg/m ³	V0
Manganese	0.000028	0.000458	µg/m ³	V0
Iron	0.001585	0.017203	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000373	µg/m ³	V0
Copper	0.000027	0.000462	µg/m ³	V0
Zinc	0.000149	0.000631	µg/m ³	V0
Arsenic	0.000005	0.000320	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000027	µg/m ³	V0
Strontium	0.000012	0.000073	µg/m ³	V0
Niobium	0.000006	0.000133	µg/m ³	V0
Molybdenum	0.000025	0.000155	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000239	µg/m ³	V0
Antimony	0.000016	0.000140	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000762	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000580	µg/m ³	V0
Tungsten	0.000005	0.000182	µg/m ³	V0
Platinum	0.000004	0.000076	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000192	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703251
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		726.4	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Lithium	0.000016	0.000052	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005770	µg/m ³	V0
Aluminum	0.002800	0.014321	µg/m ³	V0
Silicon	0.010200	0.036675	µg/m ³	V0
Phosphorus	0.003480	0.025633	µg/m ³	V0
Potassium	0.000402	0.016728	µg/m ³	V0
Calcium	0.013042	0.029520	µg/m ³	V0
Titanium	0.000031	0.000814	µg/m ³	V0
Vanadium	0.000018	0.000358	µg/m ³	V0
Chromium	0.000045	0.001491	µg/m ³	V0
Manganese	0.000028	0.000405	µg/m ³	V0
Iron	0.001585	0.018068	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000449	µg/m ³	V0
Copper	0.000027	0.001147	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000074	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000029	µg/m ³	V0
Strontium	0.000012	0.000072	µg/m ³	V0
Niobium	0.000006	0.000139	µg/m ³	V0
Molybdenum	0.000025	0.000175	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000100	µg/m ³	V0
Antimony	0.000016	0.000020	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000203	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000044	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000705	µg/m ³	V0
Tungsten	0.000005	0.000100	µg/m ³	V0
Platinum	0.000004	0.000079	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000108	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220703296
Start Date:	2022-07-25 10:16	End Date:	2022-07-25 10:17	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Lithium	0.000016	0.000052	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002108	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.024386	µg/m ³	V0
Phosphorus	0.003480	0.023642	µg/m ³	V0
Potassium	0.000402	0.007711	µg/m ³	V0
Calcium	0.013042	0.018696	µg/m ³	V0
Titanium	0.000031	0.000364	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000626	µg/m ³	V0
Manganese	0.000028	0.000097	µg/m ³	V0
Iron	0.001585	0.004389	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000228	µg/m ³	V0
Copper	0.000027	0.000059	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000097	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000015	µg/m ³	V0
Niobium	0.000006	0.000198	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000068	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000752	µg/m ³	V0
Tungsten	0.000005	0.000075	µg/m ³	V0
Platinum	0.000004	0.000093	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000038	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703288
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.2	°C	
Pressure		735.0	mmHg	
Particulate Matter	0.042	8.583	µg/m ³	V0
Lithium	0.000016	0.000145	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010783	µg/m ³	V0
Magnesium	0.000279	0.015310	µg/m ³	V0
Aluminum	0.002800	0.056271	µg/m ³	V0
Silicon	0.010200	0.410553	µg/m ³	V0
Phosphorus	0.003480	0.024092	µg/m ³	V0
Potassium	0.000402	0.049000	µg/m ³	V0
Calcium	0.013042	0.052411	µg/m ³	V0
Titanium	0.000031	0.002519	µg/m ³	V0
Vanadium	0.000018	0.000145	µg/m ³	V0
Chromium	0.000045	0.000817	µg/m ³	V0
Manganese	0.000028	0.000797	µg/m ³	V0
Iron	0.001585	0.041957	µg/m ³	V0
Cobalt	0.000005	0.000068	µg/m ³	V0
Nickel	0.000015	0.000330	µg/m ³	V0
Copper	0.000027	0.002157	µg/m ³	V0
Zinc	0.000149	0.003440	µg/m ³	V0
Arsenic	0.000005	0.000450	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000137	µg/m ³	V0
Strontium	0.000012	0.000246	µg/m ³	V0
Niobium	0.000006	0.001919	µg/m ³	V0
Molybdenum	0.000025	0.000188	µg/m ³	V0
Palladium	0.000050	0.000079	µg/m ³	V0
Silver	0.000006	0.000046	µg/m ³	V0
Cadmium	0.000011	0.000064	µg/m ³	V0
Tin	0.000008	0.000586	µg/m ³	V0
Antimony	0.000016	0.000203	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.001759	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000067	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000030	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.007616	µg/m ³	V0
Tungsten	0.000005	0.000470	µg/m ³	V0
Platinum	0.000004	0.000043	µg/m ³	V0
Thallium	0.000005	0.000080	µg/m ³	V4
Lead	0.000018	0.000270	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	0.000121	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703300
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		25.7	°C	
Pressure		725.4	mmHg	
Particulate Matter	0.042	9.375	µg/m ³	V0
Lithium	0.000016	0.000104	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009614	µg/m ³	V0
Magnesium	0.000279	0.013601	µg/m ³	V0
Aluminum	0.002800	0.061359	µg/m ³	V0
Silicon	0.010200	0.174572	µg/m ³	V0
Phosphorus	0.003480	0.022516	µg/m ³	V0
Potassium	0.000402	0.040273	µg/m ³	V0
Calcium	0.013042	0.057802	µg/m ³	V0
Titanium	0.000031	0.002333	µg/m ³	V0
Vanadium	0.000018	0.000384	µg/m ³	V0
Chromium	0.000045	0.000668	µg/m ³	V0
Manganese	0.000028	0.000633	µg/m ³	V0
Iron	0.001585	0.035370	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000315	µg/m ³	V0
Copper	0.000027	0.000244	µg/m ³	V0
Zinc	0.000149	0.000310	µg/m ³	V0
Arsenic	0.000005	0.000125	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000120	µg/m ³	V0
Strontium	0.000012	0.000211	µg/m ³	V0
Niobium	0.000006	0.000130	µg/m ³	V0
Molybdenum	0.000025	0.000114	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000046	µg/m ³	V0
Tin	0.000008	0.000074	µg/m ³	V0
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000829	µg/m ³	V0
Lanthanum	0.000004	0.000031	µg/m ³	V0
Cerium	0.000013	0.000064	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000026	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000578	µg/m ³	V0
Tungsten	0.000005	0.000078	µg/m ³	V0
Platinum	0.000004	0.000084	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000098	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000010	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703309
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

Power Failure(89040/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.7	m ³	V6
Temperature		24.8	°C	
Pressure		715.0	mmHg	
Particulate Matter	0.042	8.462	µg/m ³	V0
Lithium	0.000016	0.000103	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012694	µg/m ³	V0
Magnesium	0.000279	0.022586	µg/m ³	V0
Aluminum	0.002800	0.058115	µg/m ³	V0
Silicon	0.010200	0.174159	µg/m ³	V0
Phosphorus	0.003480	0.023223	µg/m ³	V0
Potassium	0.000402	0.053502	µg/m ³	V0
Calcium	0.013042	0.084056	µg/m ³	V0
Titanium	0.000031	0.002234	µg/m ³	V0
Vanadium	0.000018	0.000082	µg/m ³	V0
Chromium	0.000045	0.000720	µg/m ³	V0
Manganese	0.000028	0.000771	µg/m ³	V0
Iron	0.001585	0.032421	µg/m ³	V0
Cobalt	0.000005	0.000047	µg/m ³	V0
Nickel	0.000015	0.000310	µg/m ³	V0
Copper	0.000027	0.000241	µg/m ³	V0
Zinc	0.000149	0.001365	µg/m ³	V0
Arsenic	0.000005	0.000103	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000132	µg/m ³	V0
Strontium	0.000012	0.000241	µg/m ³	V0
Niobium	0.000006	0.000268	µg/m ³	V0
Molybdenum	0.000025	0.000402	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000063	µg/m ³	V0
Tin	0.000008	0.000105	µg/m ³	V0
Antimony	0.000016	0.000030	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000730	µg/m ³	V0
Lanthanum	0.000004	0.000041	µg/m ³	V0
Cerium	0.000013	0.000068	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000033	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000808	µg/m ³	V0
Tungsten	0.000005	0.000091	µg/m ³	V0
Platinum	0.000004	0.000101	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000101	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000010	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220703319
Start Date:	2022-07-28 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-07-29 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.5	°C	
Pressure		732.9	mmHg	
Particulate Matter	0.042	15.792	µg/m ³	V0
Lithium	0.000016	0.000530	µg/m ³	V0
Beryllium	0.000013	0.000013	µg/m ³	V0
Sodium	0.000777	0.073634	µg/m ³	V0
Magnesium	0.000279	0.050057	µg/m ³	V0
Aluminum	0.002800	0.275742	µg/m ³	V0
Silicon	0.010200	0.756274	µg/m ³	V0
Phosphorus	0.003480	0.021657	µg/m ³	V0
Potassium	0.000402	0.220199	µg/m ³	V0
Calcium	0.013042	0.179020	µg/m ³	V0
Titanium	0.000031	0.012342	µg/m ³	V0
Vanadium	0.000018	0.001724	µg/m ³	V0
Chromium	0.000045	0.001530	µg/m ³	V0
Manganese	0.000028	0.003687	µg/m ³	V0
Iron	0.001585	0.168174	µg/m ³	V0
Cobalt	0.000005	0.000170	µg/m ³	V0
Nickel	0.000015	0.000834	µg/m ³	V0
Copper	0.000027	0.000424	µg/m ³	V0
Zinc	0.000149	0.002265	µg/m ³	V0
Arsenic	0.000005	0.000142	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000525	µg/m ³	V0
Strontium	0.000012	0.001052	µg/m ³	V0
Niobium	0.000006	0.000299	µg/m ³	V0
Molybdenum	0.000025	0.000257	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	0.000059	µg/m ³	V0
Tin	0.000008	0.000258	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	0.000030	µg/m ³	V0
Barium	0.000054	0.002837	µg/m ³	V0
Lanthanum	0.000004	0.000175	µg/m ³	V0
Cerium	0.000013	0.000380	µg/m ³	V0
Praseodymium	0.000002	0.000043	µg/m ³	V0
Neodymium	0.000005	0.000164	µg/m ³	V0
Samarium	0.000006	0.000029	µg/m ³	V0
Tantalum	0.000003	0.000902	µg/m ³	V0
Tungsten	0.000005	0.000116	µg/m ³	V0
Platinum	0.000004	0.000077	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000206	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000055	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703343
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		25.1	°C	
Pressure		709.8	mmHg	
Particulate Matter	0.042	9.792	µg/m ³	V0
Lithium	0.000016	0.000102	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008283	µg/m ³	V0
Magnesium	0.000279	0.021844	µg/m ³	V0
Aluminum	0.002800	0.067750	µg/m ³	V0
Silicon	0.010200	0.247631	µg/m ³	V0
Phosphorus	0.003480	0.018615	µg/m ³	V0
Potassium	0.000402	0.042117	µg/m ³	V0
Calcium	0.013042	0.077224	µg/m ³	V0
Titanium	0.000031	0.002902	µg/m ³	V0
Vanadium	0.000018	0.000183	µg/m ³	V0
Chromium	0.000045	0.001830	µg/m ³	V0
Manganese	0.000028	0.001763	µg/m ³	V0
Iron	0.001585	0.074446	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000578	µg/m ³	V0
Copper	0.000027	0.000217	µg/m ³	V0
Zinc	0.000149	0.000630	µg/m ³	V0
Arsenic	0.000005	0.000268	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000136	µg/m ³	V0
Strontium	0.000012	0.000294	µg/m ³	V0
Niobium	0.000006	0.000231	µg/m ³	V0
Molybdenum	0.000025	0.000281	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000042	µg/m ³	V0
Tin	0.000008	0.000082	µg/m ³	V0
Antimony	0.000016	0.000095	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.001016	µg/m ³	V0
Lanthanum	0.000004	0.000080	µg/m ³	V0
Cerium	0.000013	0.000096	µg/m ³	V0
Praseodymium	0.000002	0.000012	µg/m ³	V0
Neodymium	0.000005	0.000042	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000840	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	0.000077	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000153	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703350
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.9	°C	
Pressure		717.7	mmHg	
Particulate Matter	0.042	8.875	µg/m ³	V0
Lithium	0.000016	0.000076	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001657	µg/m ³	V0
Magnesium	0.000279	0.012495	µg/m ³	V0
Aluminum	0.002800	0.040455	µg/m ³	V0
Silicon	0.010200	0.180151	µg/m ³	V0
Phosphorus	0.003480	0.023335	µg/m ³	V0
Potassium	0.000402	0.036330	µg/m ³	V0
Calcium	0.013042	0.046620	µg/m ³	V0
Titanium	0.000031	0.001461	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000387	µg/m ³	V0
Manganese	0.000028	0.000942	µg/m ³	V0
Iron	0.001585	0.033613	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000288	µg/m ³	V0
Copper	0.000027	0.001373	µg/m ³	V0
Zinc	0.000149	0.002560	µg/m ³	V0
Arsenic	0.000005	0.000132	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000090	µg/m ³	V0
Strontium	0.000012	0.000159	µg/m ³	V0
Niobium	0.000006	0.000144	µg/m ³	V0
Molybdenum	0.000025	0.000047	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000040	µg/m ³	V0
Tin	0.000008	0.000047	µg/m ³	V0
Antimony	0.000016	0.000082	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000600	µg/m ³	V0
Lanthanum	0.000004	0.000048	µg/m ³	V0
Cerium	0.000013	0.000050	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000023	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000786	µg/m ³	V0
Tungsten	0.000005	0.000116	µg/m ³	V0
Platinum	0.000004	0.000080	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000205	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Fort Chipewyan	Loc ID:	FTCH
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00
		Set Index:	1
		WBEA ID:	220703303
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		25.0	°C	
Pressure		736.0	mmHg	
Particulate Matter	0.042	10.875	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005393	µg/m ³	V0
Magnesium	0.000279	0.011595	µg/m ³	V0
Aluminum	0.002800	0.059558	µg/m ³	V0
Silicon	0.010200	0.086864	µg/m ³	V0
Phosphorus	0.003480	0.056618	µg/m ³	V0
Potassium	0.000402	0.026904	µg/m ³	V0
Calcium	0.013042	0.041644	µg/m ³	V0
Titanium	0.000031	0.002005	µg/m ³	V0
Vanadium	0.000018	0.000024	µg/m ³	V0
Chromium	0.000045	0.000470	µg/m ³	V0
Manganese	0.000028	0.000814	µg/m ³	V0
Iron	0.001585	0.031191	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000168	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001623	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000012	µg/m ³	V0
Niobium	0.000006	0.000247	µg/m ³	V0
Molybdenum	0.000025	0.000037	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000587	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001585	µg/m ³	V0
Tungsten	0.000005	0.000144	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220803412
Start Date:	2022-08-02 08:18	End Date:	2022-08-02 08:19	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.004178	µg/m ³	V0
Aluminum	0.002800	0.007788	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.054945	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.029064	µg/m ³	V0
Titanium	0.000031	0.001127	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001082	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.011242	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000164	µg/m ³	V0
Copper	0.000027	0.000332	µg/m ³	V0
Zinc	0.000149	0.000505	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000734	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000088	µg/m ³	V0
Antimony	0.000016	0.000114	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000287	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.003051	µg/m ³	V0
Tungsten	0.000005	0.000445	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220703384
Start Date:	2022-08-03 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-08-04 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		730.9	mmHg	
Particulate Matter	0.042	7.917	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.021663	µg/m ³	V0
Magnesium	0.000279	0.025719	µg/m ³	V0
Aluminum	0.002800	0.093784	µg/m ³	V0
Silicon	0.010200	0.121414	µg/m ³	V0
Phosphorus	0.003480	0.057974	µg/m ³	V0
Potassium	0.000402	0.006495	µg/m ³	V0
Calcium	0.013042	0.129447	µg/m ³	V0
Titanium	0.000031	0.003567	µg/m ³	V0
Vanadium	0.000018	0.000295	µg/m ³	V0
Chromium	0.000045	0.001819	µg/m ³	V0
Manganese	0.000028	0.002166	µg/m ³	V0
Iron	0.001585	0.082251	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000874	µg/m ³	V0
Copper	0.000027	0.000332	µg/m ³	V0
Zinc	0.000149	0.001739	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000197	µg/m ³	V0
Niobium	0.000006	0.000271	µg/m ³	V0
Molybdenum	0.000025	0.000559	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000112	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001007	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001558	µg/m ³	V0
Tungsten	0.000005	0.000139	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00
		Set Index:	1
		WBEA ID:	220803406
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.8	°C	
Pressure		733.2	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008600	µg/m ³	V0
Magnesium	0.000279	0.012591	µg/m ³	V0
Aluminum	0.002800	0.035452	µg/m ³	V0
Silicon	0.010200	0.072326	µg/m ³	V0
Phosphorus	0.003480	0.061158	µg/m ³	V0
Potassium	0.000402	0.002194	µg/m ³	V0
Calcium	0.013042	0.045587	µg/m ³	V0
Titanium	0.000031	0.001548	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001691	µg/m ³	V0
Manganese	0.000028	0.000585	µg/m ³	V0
Iron	0.001585	0.046152	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000295	µg/m ³	V0
Copper	0.000027	0.000641	µg/m ³	V0
Zinc	0.000149	0.001055	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000571	µg/m ³	V0
Molybdenum	0.000025	0.000194	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000148	µg/m ³	V0
Antimony	0.000016	0.000192	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001558	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002658	µg/m ³	V0
Tungsten	0.000005	0.000303	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803422
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.6	°C	
Pressure		712.6	mmHg	
Particulate Matter	0.042	4.083	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002815	µg/m ³	V0
Magnesium	0.000279	0.005819	µg/m ³	V0
Aluminum	0.002800	0.018268	µg/m ³	V0
Silicon	0.010200	0.023138	µg/m ³	V0
Phosphorus	0.003480	0.056448	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.035357	µg/m ³	V0
Titanium	0.000031	0.000808	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001100	µg/m ³	V0
Manganese	0.000028	0.000260	µg/m ³	V0
Iron	0.001585	0.016515	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000468	µg/m ³	V0
Copper	0.000027	0.000236	µg/m ³	V0
Zinc	0.000149	0.001561	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000412	µg/m ³	V0
Molybdenum	0.000025	0.000039	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000100	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000351	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002192	µg/m ³	V0
Tungsten	0.000005	0.000223	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803433
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.1	°C	
Pressure		735.2	mmHg	
Particulate Matter	0.042	1.542	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003727	µg/m ³	V0
Magnesium	0.000279	0.005163	µg/m ³	V0
Aluminum	0.002800	0.009535	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.047558	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.048590	µg/m ³	V0
Titanium	0.000031	0.000519	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000791	µg/m ³	V0
Manganese	0.000028	0.000035	µg/m ³	V0
Iron	0.001585	0.009765	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000160	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001081	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000503	µg/m ³	V0
Molybdenum	0.000025	0.000090	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000038	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000166	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002157	µg/m ³	V0
Tungsten	0.000005	0.000629	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00
		Set Index:	1
		WBEA ID:	220803443
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.1	°C	
Pressure		707.1	mmHg	
Particulate Matter	0.042	4.333	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005656	µg/m ³	V0
Magnesium	0.000279	0.010784	µg/m ³	V0
Aluminum	0.002800	0.025994	µg/m ³	V0
Silicon	0.010200	0.042747	µg/m ³	V0
Phosphorus	0.003480	0.055155	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.039022	µg/m ³	V0
Titanium	0.000031	0.000922	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000924	µg/m ³	V0
Manganese	0.000028	0.000282	µg/m ³	V0
Iron	0.001585	0.021185	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000388	µg/m ³	V0
Copper	0.000027	0.000138	µg/m ³	V0
Zinc	0.000149	0.002478	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000286	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000221	µg/m ³	V0
Antimony	0.000016	0.007669	µg/m ³	V4
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000311	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001744	µg/m ³	V0
Tungsten	0.000005	0.000115	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.002189	µg/m ³	V4
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803449
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.4	°C	
Pressure		723.0	mmHg	
Particulate Matter	0.042	5.167	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010586	µg/m ³	V0
Magnesium	0.000279	0.013371	µg/m ³	V0
Aluminum	0.002800	0.046344	µg/m ³	V0
Silicon	0.010200	0.096923	µg/m ³	V0
Phosphorus	0.003480	0.060081	µg/m ³	V0
Potassium	0.000402	0.011537	µg/m ³	V0
Calcium	0.013042	0.063921	µg/m ³	V0
Titanium	0.000031	0.001954	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001182	µg/m ³	V0
Manganese	0.000028	0.000715	µg/m ³	V0
Iron	0.001585	0.045026	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000559	µg/m ³	V0
Copper	0.000027	0.000563	µg/m ³	V0
Zinc	0.000149	0.002679	µg/m ³	V0
Arsenic	0.000005	0.000047	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000023	µg/m ³	V0
Niobium	0.000006	0.000387	µg/m ³	V0
Molybdenum	0.000025	0.000107	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000299	µg/m ³	V0
Antimony	0.000016	0.000111	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001707	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001992	µg/m ³	V0
Tungsten	0.000005	0.000217	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803453
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.2	°C	
Pressure		714.9	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004030	µg/m ³	V0
Magnesium	0.000279	0.005931	µg/m ³	V0
Aluminum	0.002800	0.021908	µg/m ³	V0
Silicon	0.010200	0.018870	µg/m ³	V0
Phosphorus	0.003480	0.055988	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.025213	µg/m ³	V0
Titanium	0.000031	0.001066	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000354	µg/m ³	V0
Manganese	0.000028	0.000151	µg/m ³	V0
Iron	0.001585	0.012495	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000179	µg/m ³	V0
Copper	0.000027	0.000331	µg/m ³	V0
Zinc	0.000149	0.000743	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000299	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000117	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000283	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001680	µg/m ³	V0
Tungsten	0.000005	0.000117	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220803482
Start Date:	2022-08-05 15:25	End Date:	2022-08-05 15:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.375	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001854	µg/m ³	V0
Aluminum	0.002800	0.003695	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.045452	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.016343	µg/m ³	V0
Titanium	0.000031	0.000321	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000486	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.004198	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000153	µg/m ³	V0
Copper	0.000027	0.000314	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000332	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000144	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001532	µg/m ³	V0
Tungsten	0.000005	0.000292	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803462
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		720.4	mmHg	
Particulate Matter	0.042	2.625	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004278	µg/m ³	V0
Magnesium	0.000279	0.005453	µg/m ³	V0
Aluminum	0.002800	0.010338	µg/m ³	V0
Silicon	0.010200	0.011149	µg/m ³	V0
Phosphorus	0.003480	0.064280	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.023017	µg/m ³	V0
Titanium	0.000031	0.000649	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000893	µg/m ³	V0
Manganese	0.000028	0.000081	µg/m ³	V0
Iron	0.001585	0.012271	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000309	µg/m ³	V0
Copper	0.000027	0.000059	µg/m ³	V0
Zinc	0.000149	0.000694	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000830	µg/m ³	V0
Molybdenum	0.000025	0.000556	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000178	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000224	µg/m ³	V0
Antimony	0.000016	0.000167	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000308	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.009407	µg/m ³	V0
Tungsten	0.000005	0.006059	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803466
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		741.2	mmHg	
Particulate Matter	0.042	4.333	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004545	µg/m ³	V0
Magnesium	0.000279	0.007752	µg/m ³	V0
Aluminum	0.002800	0.020070	µg/m ³	V0
Silicon	0.010200	0.025393	µg/m ³	V0
Phosphorus	0.003480	0.060644	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.026471	µg/m ³	V0
Titanium	0.000031	0.001416	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000912	µg/m ³	V0
Manganese	0.000028	0.000431	µg/m ³	V0
Iron	0.001585	0.033379	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000608	µg/m ³	V0
Copper	0.000027	0.005609	µg/m ³	V0
Zinc	0.000149	0.000775	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000392	µg/m ³	V0
Molybdenum	0.000025	0.000087	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000250	µg/m ³	V0
Antimony	0.000016	0.000141	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001983	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001956	µg/m ³	V0
Tungsten	0.000005	0.000220	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803477
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.6	°C	
Pressure		731.0	mmHg	
Particulate Matter	0.042	5.208	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009217	µg/m ³	V0
Magnesium	0.000279	0.008331	µg/m ³	V0
Aluminum	0.002800	0.017348	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.059247	µg/m ³	V0
Potassium	0.000402	0.023141	µg/m ³	V0
Calcium	0.013042	0.034516	µg/m ³	V0
Titanium	0.000031	0.001109	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000350	µg/m ³	V0
Manganese	0.000028	0.000201	µg/m ³	V0
Iron	0.001585	0.016673	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000138	µg/m ³	V0
Copper	0.000027	0.000351	µg/m ³	V0
Zinc	0.000149	0.001872	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000348	µg/m ³	V0
Molybdenum	0.000025	0.000175	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000044	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000425	µg/m ³	V0
Antimony	0.000016	0.000090	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000773	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001948	µg/m ³	V0
Tungsten	0.000005	0.000573	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803509
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		715.1	mmHg	
Particulate Matter	0.042	2.583	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006008	µg/m ³	V0
Magnesium	0.000279	0.019708	µg/m ³	V0
Aluminum	0.002800	0.045960	µg/m ³	V0
Silicon	0.010200	0.083368	µg/m ³	V0
Phosphorus	0.003480	0.059462	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.061393	µg/m ³	V0
Titanium	0.000031	0.001536	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001293	µg/m ³	V0
Manganese	0.000028	0.000881	µg/m ³	V0
Iron	0.001585	0.047375	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000248	µg/m ³	V0
Copper	0.000027	0.000064	µg/m ³	V0
Zinc	0.000149	0.000408	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000028	µg/m ³	V0
Niobium	0.000006	0.000229	µg/m ³	V0
Molybdenum	0.000025	0.000036	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000200	µg/m ³	V0
Antimony	0.000016	0.000151	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000718	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001367	µg/m ³	V0
Tungsten	0.000005	0.000095	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803519
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		722.9	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002719	µg/m ³	V0
Magnesium	0.000279	0.006152	µg/m ³	V0
Aluminum	0.002800	0.019999	µg/m ³	V0
Silicon	0.010200	0.029859	µg/m ³	V0
Phosphorus	0.003480	0.060401	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.021999	µg/m ³	V0
Titanium	0.000031	0.000757	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000594	µg/m ³	V0
Manganese	0.000028	0.000169	µg/m ³	V0
Iron	0.001585	0.013262	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000180	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001318	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000188	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000291	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000414	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001226	µg/m ³	V0
Tungsten	0.000005	0.000103	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803528
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.8	°C	
Pressure		738.8	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003411	µg/m ³	V0
Magnesium	0.000279	0.009648	µg/m ³	V0
Aluminum	0.002800	0.025593	µg/m ³	V0
Silicon	0.010200	0.024897	µg/m ³	V0
Phosphorus	0.003480	0.057804	µg/m ³	V0
Potassium	0.000402	0.003623	µg/m ³	V0
Calcium	0.013042	0.034899	µg/m ³	V0
Titanium	0.000031	0.001048	µg/m ³	V0
Vanadium	0.000018	0.000020	µg/m ³	V0
Chromium	0.000045	0.000731	µg/m ³	V0
Manganese	0.000028	0.000272	µg/m ³	V0
Iron	0.001585	0.024224	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000368	µg/m ³	V0
Copper	0.000027	0.000121	µg/m ³	V0
Zinc	0.000149	0.003480	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000269	µg/m ³	V0
Molybdenum	0.000025	0.000131	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000237	µg/m ³	V0
Antimony	0.000016	0.000038	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000359	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001784	µg/m ³	V0
Tungsten	0.000005	0.000378	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803488
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Power outage resulted in a short sampling duration and low sample volume.(82320/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		22.9	m ³	V6
Temperature		20.0	°C	
Pressure		742.4	mmHg	
Particulate Matter	0.042	1.354	µg/m ³	V0
Lithium	0.000016	0.000144	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004171	µg/m ³	V0
Magnesium	0.000279	0.008546	µg/m ³	V0
Aluminum	0.002800	0.016492	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.047711	µg/m ³	V0
Calcium	0.013042	0.032032	µg/m ³	V0
Titanium	0.000031	0.000701	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000721	µg/m ³	V0
Manganese	0.000028	0.000190	µg/m ³	V0
Iron	0.001585	0.007531	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000216	µg/m ³	V0
Copper	0.000027	0.000269	µg/m ³	V0
Zinc	0.000149	0.004077	µg/m ³	V0
Arsenic	0.000005	0.000044	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.000076	µg/m ³	V0
Niobium	0.000006	0.001681	µg/m ³	V0
Molybdenum	0.000025	0.000243	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000097	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000395	µg/m ³	V0
Antimony	0.000016	0.000292	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.006779	µg/m ³	V0
Tungsten	0.000005	0.007138	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000023	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220803605
Start Date:	2022-08-14 16:43	End Date:	2022-08-14 16:44	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011167	µg/m ³	V0
Magnesium	0.000279	0.002142	µg/m ³	V0
Aluminum	0.002800	0.004236	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.029352	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000269	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000564	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.006091	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000188	µg/m ³	V0
Copper	0.000027	0.000490	µg/m ³	V0
Zinc	0.000149	0.000539	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000613	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000101	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002838	µg/m ³	V0
Tungsten	0.000005	0.000176	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803545
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.3	°C	
Pressure		710.6	mmHg	
Particulate Matter	0.042	5.583	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009213	µg/m ³	V0
Magnesium	0.000279	0.016022	µg/m ³	V0
Aluminum	0.002800	0.038319	µg/m ³	V0
Silicon	0.010200	0.168592	µg/m ³	V0
Phosphorus	0.003480	0.033684	µg/m ³	V0
Potassium	0.000402	0.010310	µg/m ³	V0
Calcium	0.013042	0.047940	µg/m ³	V0
Titanium	0.000031	0.001536	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000670	µg/m ³	V0
Manganese	0.000028	0.000724	µg/m ³	V0
Iron	0.001585	0.043118	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000105	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000257	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000030	µg/m ³	V0
Niobium	0.000006	0.000513	µg/m ³	V0
Molybdenum	0.000025	0.000044	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000176	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000459	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002576	µg/m ³	V0
Tungsten	0.000005	0.000215	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803556
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.5	°C	
Pressure		718.2	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004981	µg/m ³	V0
Magnesium	0.000279	0.010885	µg/m ³	V0
Aluminum	0.002800	0.027463	µg/m ³	V0
Silicon	0.010200	0.056461	µg/m ³	V0
Phosphorus	0.003480	0.034596	µg/m ³	V0
Potassium	0.000402	0.010339	µg/m ³	V0
Calcium	0.013042	0.046969	µg/m ³	V0
Titanium	0.000031	0.001118	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000560	µg/m ³	V0
Manganese	0.000028	0.000346	µg/m ³	V0
Iron	0.001585	0.020648	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000280	µg/m ³	V0
Copper	0.000027	0.006092	µg/m ³	V0
Zinc	0.000149	0.002605	µg/m ³	V0
Arsenic	0.000005	0.003684	µg/m ³	V4
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000672	µg/m ³	V0
Molybdenum	0.000025	0.000033	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000263	µg/m ³	V0
Antimony	0.000016	0.000084	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000341	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002867	µg/m ³	V0
Tungsten	0.000005	0.000223	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000246	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803577
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.3	°C	
Pressure		732.8	mmHg	
Particulate Matter	0.042	3.625	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007456	µg/m ³	V0
Magnesium	0.000279	0.008847	µg/m ³	V0
Aluminum	0.002800	0.033266	µg/m ³	V0
Silicon	0.010200	0.061891	µg/m ³	V0
Phosphorus	0.003480	0.057238	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.026024	µg/m ³	V0
Titanium	0.000031	0.001154	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001506	µg/m ³	V0
Manganese	0.000028	0.000336	µg/m ³	V0
Iron	0.001585	0.025309	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000540	µg/m ³	V0
Copper	0.000027	0.000043	µg/m ³	V0
Zinc	0.000149	0.000565	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.001618	µg/m ³	V0
Molybdenum	0.000025	0.000324	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000096	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000274	µg/m ³	V0
Antimony	0.000016	0.000162	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000344	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.011425	µg/m ³	V0
Tungsten	0.000005	0.005468	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803584
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.8	°C	
Pressure		725.9	mmHg	
Particulate Matter	0.042	2.583	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010010	µg/m ³	V0
Magnesium	0.000279	0.010677	µg/m ³	V0
Aluminum	0.002800	0.033343	µg/m ³	V0
Silicon	0.010200	0.029422	µg/m ³	V0
Phosphorus	0.003480	0.059655	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.033651	µg/m ³	V0
Titanium	0.000031	0.001208	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000829	µg/m ³	V0
Manganese	0.000028	0.000308	µg/m ³	V0
Iron	0.001585	0.021963	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000026	µg/m ³	V0
Copper	0.000027	0.000371	µg/m ³	V0
Zinc	0.000149	0.000756	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000439	µg/m ³	V0
Molybdenum	0.000025	0.000046	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000214	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000776	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002000	µg/m ³	V0
Tungsten	0.000005	0.000292	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000018	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803590
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.1	°C	
Pressure		735.4	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007083	µg/m ³	V0
Magnesium	0.000279	0.008993	µg/m ³	V0
Aluminum	0.002800	0.026068	µg/m ³	V0
Silicon	0.010200	0.029833	µg/m ³	V0
Phosphorus	0.003480	0.054961	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.025275	µg/m ³	V0
Titanium	0.000031	0.001406	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000730	µg/m ³	V0
Manganese	0.000028	0.000393	µg/m ³	V0
Iron	0.001585	0.031023	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000179	µg/m ³	V0
Copper	0.000027	0.000558	µg/m ³	V0
Zinc	0.000149	0.000776	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000444	µg/m ³	V0
Molybdenum	0.000025	0.000092	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000025	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000285	µg/m ³	V0
Antimony	0.000016	0.000132	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001729	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001804	µg/m ³	V0
Tungsten	0.000005	0.000455	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803611
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

Power outage(81600/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		22.7	m ³	V6
Temperature		20.1	°C	
Pressure		715.3	mmHg	
Particulate Matter	0.042	3.084	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004250	µg/m ³	V0
Magnesium	0.000279	0.008442	µg/m ³	V0
Aluminum	0.002800	0.023921	µg/m ³	V0
Silicon	0.010200	0.043544	µg/m ³	V0
Phosphorus	0.003480	0.065610	µg/m ³	V0
Potassium	0.000402	0.003512	µg/m ³	V0
Calcium	0.013042	0.025920	µg/m ³	V0
Titanium	0.000031	0.001240	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000851	µg/m ³	V0
Manganese	0.000028	0.000304	µg/m ³	V0
Iron	0.001585	0.025391	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000440	µg/m ³	V0
Copper	0.000027	0.000051	µg/m ³	V0
Zinc	0.000149	0.000210	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000317	µg/m ³	V0
Molybdenum	0.000025	0.000036	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000279	µg/m ³	V0
Antimony	0.000016	0.000392	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000325	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001588	µg/m ³	V0
Tungsten	0.000005	0.000161	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803597
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.0	°C	
Pressure		735.0	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Lithium	0.000016	0.000147	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005924	µg/m ³	V0
Magnesium	0.000279	0.002815	µg/m ³	V0
Aluminum	0.002800	0.007006	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.032625	µg/m ³	V0
Calcium	0.013042	0.022689	µg/m ³	V0
Titanium	0.000031	0.000491	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000611	µg/m ³	V0
Manganese	0.000028	0.000404	µg/m ³	V0
Iron	0.001585	0.010160	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000135	µg/m ³	V0
Copper	0.000027	0.000143	µg/m ³	V0
Zinc	0.000149	0.002979	µg/m ³	V0
Arsenic	0.000005	0.000066	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000017	µg/m ³	V0
Strontium	0.000012	0.000068	µg/m ³	V0
Niobium	0.000006	0.000595	µg/m ³	V0
Molybdenum	0.000025	0.000032	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000181	µg/m ³	V0
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001917	µg/m ³	V0
Tungsten	0.000005	0.000187	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000035	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220803627
Start Date:	2022-08-16 09:30	End Date:	2022-08-16 09:31	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003468	µg/m ³	V0
Aluminum	0.002800	0.007094	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.049042	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000417	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000430	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.005739	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	0.000276	µg/m ³	V0
Zinc	0.000149	0.000680	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000127	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000131	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000157	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000972	µg/m ³	V0
Tungsten	0.000005	0.000135	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803623
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.2	°C	
Pressure		714.4	mmHg	
Particulate Matter	0.042	28.792	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004646	µg/m ³	V0
Magnesium	0.000279	0.012907	µg/m ³	V0
Aluminum	0.002800	0.030924	µg/m ³	V0
Silicon	0.010200	0.035451	µg/m ³	V0
Phosphorus	0.003480	0.053656	µg/m ³	V0
Potassium	0.000402	0.101969	µg/m ³	V0
Calcium	0.013042	0.036438	µg/m ³	V0
Titanium	0.000031	0.001463	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000872	µg/m ³	V0
Manganese	0.000028	0.000640	µg/m ³	V0
Iron	0.001585	0.028048	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000277	µg/m ³	V0
Copper	0.000027	0.001093	µg/m ³	V0
Zinc	0.000149	0.006754	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000219	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000261	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000251	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000412	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001444	µg/m ³	V0
Tungsten	0.000005	0.000153	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000053	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803635
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		722.3	mmHg	
Particulate Matter	0.042	27.250	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001500	µg/m ³	V0
Magnesium	0.000279	0.007939	µg/m ³	V0
Aluminum	0.002800	0.029654	µg/m ³	V0
Silicon	0.010200	0.033046	µg/m ³	V0
Phosphorus	0.003480	0.054211	µg/m ³	V0
Potassium	0.000402	0.092193	µg/m ³	V0
Calcium	0.013042	0.022657	µg/m ³	V0
Titanium	0.000031	0.001209	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000779	µg/m ³	V0
Manganese	0.000028	0.000542	µg/m ³	V0
Iron	0.001585	0.018161	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000197	µg/m ³	V0
Copper	0.000027	0.000183	µg/m ³	V0
Zinc	0.000149	0.005480	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000164	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000253	µg/m ³	V0
Molybdenum	0.000025	0.000043	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000129	µg/m ³	V0
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000650	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001539	µg/m ³	V0
Tungsten	0.000005	0.000127	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00
		Set Index:	1
		WBEA ID:	220803641
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		720.3	mmHg	
Particulate Matter	0.042	22.583	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011154	µg/m ³	V0
Magnesium	0.000279	0.024042	µg/m ³	V0
Aluminum	0.002800	0.091100	µg/m ³	V0
Silicon	0.010200	0.118029	µg/m ³	V0
Phosphorus	0.003480	0.066574	µg/m ³	V0
Potassium	0.000402	0.072792	µg/m ³	V0
Calcium	0.013042	0.079802	µg/m ³	V0
Titanium	0.000031	0.003332	µg/m ³	V0
Vanadium	0.000018	0.000067	µg/m ³	V0
Chromium	0.000045	0.001131	µg/m ³	V0
Manganese	0.000028	0.001234	µg/m ³	V0
Iron	0.001585	0.053933	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000570	µg/m ³	V0
Copper	0.000027	0.000162	µg/m ³	V0
Zinc	0.000149	0.005046	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000117	µg/m ³	V0
Strontium	0.000012	0.000148	µg/m ³	V0
Niobium	0.000006	0.000197	µg/m ³	V0
Molybdenum	0.000025	0.000050	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000137	µg/m ³	V0
Antimony	0.000016	0.000937	µg/m ³	V4
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001076	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000023	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001276	µg/m ³	V0
Tungsten	0.000005	0.000120	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000055	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803657
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.6	°C	
Pressure		741.3	mmHg	
Particulate Matter	0.042	19.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016687	µg/m ³	V0
Magnesium	0.000279	0.035291	µg/m ³	V0
Aluminum	0.002800	0.127273	µg/m ³	V0
Silicon	0.010200	0.213145	µg/m ³	V0
Phosphorus	0.003480	0.026289	µg/m ³	V0
Potassium	0.000402	0.096178	µg/m ³	V0
Calcium	0.013042	0.169428	µg/m ³	V0
Titanium	0.000031	0.007448	µg/m ³	V0
Vanadium	0.000018	0.001909	µg/m ³	V0
Chromium	0.000045	0.001315	µg/m ³	V0
Manganese	0.000028	0.003970	µg/m ³	V0
Iron	0.001585	0.101004	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000603	µg/m ³	V0
Copper	0.000027	0.000983	µg/m ³	V0
Zinc	0.000149	0.006842	µg/m ³	V0
Arsenic	0.000005	0.000096	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000242	µg/m ³	V0
Strontium	0.000012	0.000475	µg/m ³	V0
Niobium	0.000006	0.000488	µg/m ³	V0
Molybdenum	0.000025	0.000300	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000350	µg/m ³	V0
Antimony	0.000016	0.000157	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002193	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000090	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001946	µg/m ³	V0
Tungsten	0.000005	0.000185	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000039	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803667
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.9	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	18.167	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010456	µg/m ³	V0
Magnesium	0.000279	0.030806	µg/m ³	V0
Aluminum	0.002800	0.120448	µg/m ³	V0
Silicon	0.010200	0.146546	µg/m ³	V0
Phosphorus	0.003480	0.031759	µg/m ³	V0
Potassium	0.000402	0.072998	µg/m ³	V0
Calcium	0.013042	0.159282	µg/m ³	V0
Titanium	0.000031	0.004908	µg/m ³	V0
Vanadium	0.000018	0.002416	µg/m ³	V0
Chromium	0.000045	0.001455	µg/m ³	V0
Manganese	0.000028	0.001520	µg/m ³	V0
Iron	0.001585	0.080670	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000769	µg/m ³	V0
Copper	0.000027	0.001847	µg/m ³	V0
Zinc	0.000149	0.008095	µg/m ³	V0
Arsenic	0.000005	0.000014	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000116	µg/m ³	V0
Strontium	0.000012	0.000336	µg/m ³	V0
Niobium	0.000006	0.000678	µg/m ³	V0
Molybdenum	0.000025	0.000342	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000156	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001024	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000045	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002712	µg/m ³	V0
Tungsten	0.000005	0.000249	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000069	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00
		Set Index:	1
		WBEA ID:	220803686
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.9	°C	
Pressure		739.3	mmHg	
Particulate Matter	0.042	16.375	µg/m ³	V0
Lithium	0.000016	0.000030	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012567	µg/m ³	V0
Magnesium	0.000279	0.033676	µg/m ³	V0
Aluminum	0.002800	0.130245	µg/m ³	V0
Silicon	0.010200	0.262887	µg/m ³	V0
Phosphorus	0.003480	0.036794	µg/m ³	V0
Potassium	0.000402	0.072419	µg/m ³	V0
Calcium	0.013042	0.187937	µg/m ³	V0
Titanium	0.000031	0.006344	µg/m ³	V0
Vanadium	0.000018	0.000150	µg/m ³	V0
Chromium	0.000045	0.000941	µg/m ³	V0
Manganese	0.000028	0.002047	µg/m ³	V0
Iron	0.001585	0.119109	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000285	µg/m ³	V0
Copper	0.000027	0.003232	µg/m ³	V0
Zinc	0.000149	0.006134	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000147	µg/m ³	V0
Strontium	0.000012	0.000425	µg/m ³	V0
Niobium	0.000006	0.000948	µg/m ³	V0
Molybdenum	0.000025	0.000085	µg/m ³	V0
Palladium	0.000050	0.000093	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000323	µg/m ³	V0
Antimony	0.000016	0.000059	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001068	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000081	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.003763	µg/m ³	V0
Tungsten	0.000005	0.000232	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000231	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803639
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.0	°C	
Pressure		743.5	mmHg	
Particulate Matter	0.042	13.792	µg/m ³	V0
Lithium	0.000016	0.000167	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.253941	µg/m ³	V4
Magnesium	0.000279	0.010899	µg/m ³	V0
Aluminum	0.002800	0.033892	µg/m ³	V0
Silicon	0.010200	0.045675	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.082473	µg/m ³	V0
Calcium	0.013042	0.028792	µg/m ³	V0
Titanium	0.000031	0.001799	µg/m ³	V0
Vanadium	0.000018	0.000056	µg/m ³	V0
Chromium	0.000045	0.001246	µg/m ³	V0
Manganese	0.000028	0.000477	µg/m ³	V0
Iron	0.001585	0.021263	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000374	µg/m ³	V0
Copper	0.000027	0.000216	µg/m ³	V0
Zinc	0.000149	0.006315	µg/m ³	V0
Arsenic	0.000005	0.000174	µg/m ³	V0
Selenium	0.000133	0.000156	µg/m ³	V0
Rubidium	0.000003	0.000209	µg/m ³	V0
Strontium	0.000012	0.000148	µg/m ³	V0
Niobium	0.000006	0.000543	µg/m ³	V0
Molybdenum	0.000025	0.000086	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000038	µg/m ³	V0
Tin	0.000008	0.000187	µg/m ³	V0
Antimony	0.000016	0.000043	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000027	µg/m ³	V0
Cerium	0.000013	0.000059	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000024	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001917	µg/m ³	V0
Tungsten	0.000005	0.000221	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000073	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220804155
Start Date:	2022-08-23 13:50	End Date:	2022-08-23 13:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.500	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001936	µg/m ³	V0
Aluminum	0.002800	0.006636	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.054077	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001679	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000583	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.006455	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	0.000156	µg/m ³	V0
Zinc	0.000149	0.000751	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000158	µg/m ³	V0
Molybdenum	0.000025	0.000087	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000085	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000172	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001217	µg/m ³	V0
Tungsten	0.000005	0.000127	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00
		Set Index:	1
		WBEA ID:	220803848
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.2	°C	
Pressure		703.6	mmHg	
Particulate Matter	0.042	31.042	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016907	µg/m ³	V0
Magnesium	0.000279	0.026286	µg/m ³	V0
Aluminum	0.002800	0.098429	µg/m ³	V0
Silicon	0.010200	0.127794	µg/m ³	V0
Phosphorus	0.003480	0.063138	µg/m ³	V0
Potassium	0.000402	0.103532	µg/m ³	V0
Calcium	0.013042	0.070278	µg/m ³	V0
Titanium	0.000031	0.003874	µg/m ³	V0
Vanadium	0.000018	0.000491	µg/m ³	V0
Chromium	0.000045	0.000860	µg/m ³	V0
Manganese	0.000028	0.001400	µg/m ³	V0
Iron	0.001585	0.056639	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000359	µg/m ³	V0
Copper	0.000027	0.000170	µg/m ³	V0
Zinc	0.000149	0.006760	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000232	µg/m ³	V0
Strontium	0.000012	0.000142	µg/m ³	V0
Niobium	0.000006	0.000188	µg/m ³	V0
Molybdenum	0.000025	0.000164	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000261	µg/m ³	V0
Antimony	0.000016	0.000019	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000826	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001133	µg/m ³	V0
Tungsten	0.000005	0.000131	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000083	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803948
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.9	°C	
Pressure		723.7	mmHg	
Particulate Matter	0.042	27.833	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018899	µg/m ³	V0
Magnesium	0.000279	0.035610	µg/m ³	V0
Aluminum	0.002800	0.125721	µg/m ³	V0
Silicon	0.010200	0.116552	µg/m ³	V0
Phosphorus	0.003480	0.056917	µg/m ³	V0
Potassium	0.000402	0.102831	µg/m ³	V0
Calcium	0.013042	0.111842	µg/m ³	V0
Titanium	0.000031	0.005249	µg/m ³	V0
Vanadium	0.000018	0.001111	µg/m ³	V0
Chromium	0.000045	0.000705	µg/m ³	V0
Manganese	0.000028	0.002559	µg/m ³	V0
Iron	0.001585	0.086741	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000766	µg/m ³	V0
Copper	0.000027	0.000550	µg/m ³	V0
Zinc	0.000149	0.007123	µg/m ³	V0
Arsenic	0.000005	0.000007	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000252	µg/m ³	V0
Strontium	0.000012	0.000298	µg/m ³	V0
Niobium	0.000006	0.000141	µg/m ³	V0
Molybdenum	0.000025	0.000191	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000257	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001740	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000060	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000862	µg/m ³	V0
Tungsten	0.000005	0.000242	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000089	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 220803963
Start Date:	2022-08-27 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-08-28 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.5	°C	
Pressure		714.4	mmHg	
Particulate Matter	0.042	27.917	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011839	µg/m ³	V0
Magnesium	0.000279	0.021886	µg/m ³	V0
Aluminum	0.002800	0.105196	µg/m ³	V0
Silicon	0.010200	0.089488	µg/m ³	V0
Phosphorus	0.003480	0.059748	µg/m ³	V0
Potassium	0.000402	0.090673	µg/m ³	V0
Calcium	0.013042	0.066365	µg/m ³	V0
Titanium	0.000031	0.003789	µg/m ³	V0
Vanadium	0.000018	0.002683	µg/m ³	V0
Chromium	0.000045	0.000472	µg/m ³	V0
Manganese	0.000028	0.001303	µg/m ³	V0
Iron	0.001585	0.051662	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000448	µg/m ³	V0
Copper	0.000027	0.000332	µg/m ³	V0
Zinc	0.000149	0.005353	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000180	µg/m ³	V0
Strontium	0.000012	0.000130	µg/m ³	V0
Niobium	0.000006	0.000178	µg/m ³	V0
Molybdenum	0.000025	0.000360	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000140	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001065	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001168	µg/m ³	V0
Tungsten	0.000005	0.000194	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000077	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00
		Set Index:	1
		WBEA ID:	220804149
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.2	°C	
Pressure		697.6	mmHg	
Particulate Matter	0.042	18.750	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015487	µg/m ³	V0
Magnesium	0.000279	0.033906	µg/m ³	V0
Aluminum	0.002800	0.089464	µg/m ³	V0
Silicon	0.010200	0.131251	µg/m ³	V0
Phosphorus	0.003480	0.073038	µg/m ³	V0
Potassium	0.000402	0.055395	µg/m ³	V0
Calcium	0.013042	0.100638	µg/m ³	V0
Titanium	0.000031	0.004945	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000478	µg/m ³	V0
Manganese	0.000028	0.001844	µg/m ³	V0
Iron	0.001585	0.085572	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000087	µg/m ³	V0
Copper	0.000027	0.000255	µg/m ³	V0
Zinc	0.000149	0.003443	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000075	µg/m ³	V0
Strontium	0.000012	0.000185	µg/m ³	V0
Niobium	0.000006	0.000172	µg/m ³	V0
Molybdenum	0.000025	0.000098	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000097	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001407	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000044	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001243	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000056	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804159
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(87780/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.4	m ³	V6
Temperature		19.6	°C	
Pressure		704.1	mmHg	
Particulate Matter	0.042	26.230	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009377	µg/m ³	V0
Magnesium	0.000279	0.027619	µg/m ³	V0
Aluminum	0.002800	0.085597	µg/m ³	V0
Silicon	0.010200	0.128863	µg/m ³	V0
Phosphorus	0.003480	0.066569	µg/m ³	V0
Potassium	0.000402	0.084120	µg/m ³	V0
Calcium	0.013042	0.074126	µg/m ³	V0
Titanium	0.000031	0.003941	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000493	µg/m ³	V0
Manganese	0.000028	0.001470	µg/m ³	V0
Iron	0.001585	0.054561	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000134	µg/m ³	V0
Copper	0.000027	0.000344	µg/m ³	V0
Zinc	0.000149	0.004511	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	0.000154	µg/m ³	V0
Rubidium	0.000003	0.000177	µg/m ³	V0
Strontium	0.000012	0.000125	µg/m ³	V0
Niobium	0.000006	0.000194	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000142	µg/m ³	V0
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001457	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001338	µg/m ³	V0
Tungsten	0.000005	0.000130	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000116	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220804229
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.6	°C	
Pressure		721.8	mmHg	
Particulate Matter	0.042	18.042	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004188	µg/m ³	V0
Magnesium	0.000279	0.011315	µg/m ³	V0
Aluminum	0.002800	0.043595	µg/m ³	V0
Silicon	0.010200	0.033461	µg/m ³	V0
Phosphorus	0.003480	0.053620	µg/m ³	V0
Potassium	0.000402	0.046036	µg/m ³	V0
Calcium	0.013042	0.026430	µg/m ³	V0
Titanium	0.000031	0.001340	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000660	µg/m ³	V0
Manganese	0.000028	0.000508	µg/m ³	V0
Iron	0.001585	0.022170	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000419	µg/m ³	V0
Copper	0.000027	0.000053	µg/m ³	V0
Zinc	0.000149	0.004265	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000041	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000106	µg/m ³	V0
Molybdenum	0.000025	0.000033	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000202	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000450	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000904	µg/m ³	V0
Tungsten	0.000005	0.000114	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220904311
Start Date:	2022-09-01 11:20	End Date:	2022-09-01 11:21	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.250	µg/m ³	V0
Lithium	0.000016	0.000129	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002060	µg/m ³	V0
Magnesium	0.000279	0.002249	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.028919	µg/m ³	V0
Calcium	0.013042	0.019967	µg/m ³	V0
Titanium	0.000031	0.000343	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000800	µg/m ³	V0
Manganese	0.000028	0.000168	µg/m ³	V0
Iron	0.001585	0.005404	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000288	µg/m ³	V0
Copper	0.000027	0.000213	µg/m ³	V0
Zinc	0.000149	0.004452	µg/m ³	V0
Arsenic	0.000005	0.000010	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000009	µg/m ³	V0
Strontium	0.000012	0.000022	µg/m ³	V0
Niobium	0.000006	0.000506	µg/m ³	V0
Molybdenum	0.000025	0.000067	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000242	µg/m ³	V0
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001614	µg/m ³	V0
Tungsten	0.000005	0.000234	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220804248
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.7	°C	
Pressure		735.3	mmHg	
Particulate Matter	0.042	6.583	µg/m ³	V0
Lithium	0.000016	0.000159	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007949	µg/m ³	V0
Magnesium	0.000279	0.009592	µg/m ³	V0
Aluminum	0.002800	0.034567	µg/m ³	V0
Silicon	0.010200	0.082520	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.051099	µg/m ³	V0
Calcium	0.013042	0.038339	µg/m ³	V0
Titanium	0.000031	0.001381	µg/m ³	V0
Vanadium	0.000018	0.000128	µg/m ³	V0
Chromium	0.000045	0.000770	µg/m ³	V0
Manganese	0.000028	0.000525	µg/m ³	V0
Iron	0.001585	0.023374	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000217	µg/m ³	V0
Copper	0.000027	0.000181	µg/m ³	V0
Zinc	0.000149	0.005587	µg/m ³	V0
Arsenic	0.000005	0.000085	µg/m ³	V0
Selenium	0.000133	0.000136	µg/m ³	V0
Rubidium	0.000003	0.000075	µg/m ³	V0
Strontium	0.000012	0.000130	µg/m ³	V0
Niobium	0.000006	0.000515	µg/m ³	V0
Molybdenum	0.000025	0.000088	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000088	µg/m ³	V0
Tin	0.000008	0.000210	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000036	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001749	µg/m ³	V0
Tungsten	0.000005	0.000148	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000055	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220804262
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.4	°C	
Pressure		709.1	mmHg	
Particulate Matter	0.042	7.708	µg/m ³	V0
Lithium	0.000016	0.000232	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031581	µg/m ³	V0
Magnesium	0.000279	0.052684	µg/m ³	V0
Aluminum	0.002800	0.130708	µg/m ³	V0
Silicon	0.010200	0.462105	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.087443	µg/m ³	V0
Calcium	0.013042	0.156652	µg/m ³	V0
Titanium	0.000031	0.004623	µg/m ³	V0
Vanadium	0.000018	0.000349	µg/m ³	V0
Chromium	0.000045	0.000753	µg/m ³	V0
Manganese	0.000028	0.002736	µg/m ³	V0
Iron	0.001585	0.119311	µg/m ³	V0
Cobalt	0.000005	0.000077	µg/m ³	V0
Nickel	0.000015	0.000312	µg/m ³	V0
Copper	0.000027	0.000297	µg/m ³	V0
Zinc	0.000149	0.003506	µg/m ³	V0
Arsenic	0.000005	0.000091	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000201	µg/m ³	V0
Strontium	0.000012	0.000635	µg/m ³	V0
Niobium	0.000006	0.000395	µg/m ³	V0
Molybdenum	0.000025	0.000077	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000043	µg/m ³	V0
Tin	0.000008	0.000286	µg/m ³	V0
Antimony	0.000016	0.000092	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000606	µg/m ³	V0
Lanthanum	0.000004	0.000115	µg/m ³	V0
Cerium	0.000013	0.000197	µg/m ³	V0
Praseodymium	0.000002	0.000021	µg/m ³	V0
Neodymium	0.000005	0.000076	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.001421	µg/m ³	V0
Tungsten	0.000005	0.000211	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000177	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804269
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		716.4	mmHg	
Particulate Matter	0.042	5.083	µg/m ³	V0
Lithium	0.000016	0.000149	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008877	µg/m ³	V0
Magnesium	0.000279	0.012544	µg/m ³	V0
Aluminum	0.002800	0.056524	µg/m ³	V0
Silicon	0.010200	0.061591	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.049705	µg/m ³	V0
Calcium	0.013042	0.053282	µg/m ³	V0
Titanium	0.000031	0.001655	µg/m ³	V0
Vanadium	0.000018	0.000102	µg/m ³	V0
Chromium	0.000045	0.000627	µg/m ³	V0
Manganese	0.000028	0.000789	µg/m ³	V0
Iron	0.001585	0.028830	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000202	µg/m ³	V0
Copper	0.000027	0.000428	µg/m ³	V0
Zinc	0.000149	0.007268	µg/m ³	V0
Arsenic	0.000005	0.000041	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000083	µg/m ³	V0
Strontium	0.000012	0.000164	µg/m ³	V0
Niobium	0.000006	0.000320	µg/m ³	V0
Molybdenum	0.000025	0.000097	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000050	µg/m ³	V0
Tin	0.000008	0.000236	µg/m ³	V0
Antimony	0.000016	0.000100	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000047	µg/m ³	V0
Cerium	0.000013	0.000045	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001081	µg/m ³	V0
Tungsten	0.000005	0.000130	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000210	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220804275
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		714.6	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Lithium	0.000016	0.000136	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014578	µg/m ³	V0
Magnesium	0.000279	0.011533	µg/m ³	V0
Aluminum	0.002800	0.040003	µg/m ³	V0
Silicon	0.010200	0.070605	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.066752	µg/m ³	V0
Calcium	0.013042	0.047380	µg/m ³	V0
Titanium	0.000031	0.001801	µg/m ³	V0
Vanadium	0.000018	0.000114	µg/m ³	V0
Chromium	0.000045	0.000685	µg/m ³	V0
Manganese	0.000028	0.000967	µg/m ³	V0
Iron	0.001585	0.043926	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000279	µg/m ³	V0
Copper	0.000027	0.001084	µg/m ³	V0
Zinc	0.000149	0.004903	µg/m ³	V0
Arsenic	0.000005	0.000080	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000090	µg/m ³	V0
Strontium	0.000012	0.000152	µg/m ³	V0
Niobium	0.000006	0.001913	µg/m ³	V0
Molybdenum	0.000025	0.000398	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000147	µg/m ³	V0
Cadmium	0.000011	0.000094	µg/m ³	V0
Tin	0.000008	0.000373	µg/m ³	V0
Antimony	0.000016	0.000328	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000045	µg/m ³	V0
Cerium	0.000013	0.000038	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.008436	µg/m ³	V0
Tungsten	0.000005	0.008262	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000159	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220804281
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.6	°C	
Pressure		734.9	mmHg	
Particulate Matter	0.042	6.167	µg/m ³	V0
Lithium	0.000016	0.000159	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018100	µg/m ³	V0
Magnesium	0.000279	0.016022	µg/m ³	V0
Aluminum	0.002800	0.041343	µg/m ³	V0
Silicon	0.010200	0.047657	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.070122	µg/m ³	V0
Calcium	0.013042	0.052692	µg/m ³	V0
Titanium	0.000031	0.002756	µg/m ³	V0
Vanadium	0.000018	0.000102	µg/m ³	V0
Chromium	0.000045	0.001095	µg/m ³	V0
Manganese	0.000028	0.000966	µg/m ³	V0
Iron	0.001585	0.051592	µg/m ³	V0
Cobalt	0.000005	0.000047	µg/m ³	V0
Nickel	0.000015	0.000271	µg/m ³	V0
Copper	0.000027	0.001032	µg/m ³	V0
Zinc	0.000149	0.006040	µg/m ³	V0
Arsenic	0.000005	0.002649	µg/m ³	V4
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000110	µg/m ³	V0
Strontium	0.000012	0.000252	µg/m ³	V0
Niobium	0.000006	0.000576	µg/m ³	V0
Molybdenum	0.000025	0.000654	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000092	µg/m ³	V0
Tin	0.000008	0.000565	µg/m ³	V0
Antimony	0.000016	0.000409	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002263	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000055	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001629	µg/m ³	V0
Tungsten	0.000005	0.000307	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000180	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904297
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.2	°C	
Pressure		725.2	mmHg	
Particulate Matter	0.042	5.708	µg/m ³	V0
Lithium	0.000016	0.000142	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007150	µg/m ³	V0
Magnesium	0.000279	0.012992	µg/m ³	V0
Aluminum	0.002800	0.033573	µg/m ³	V0
Silicon	0.010200	0.044157	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.061389	µg/m ³	V0
Calcium	0.013042	0.041594	µg/m ³	V0
Titanium	0.000031	0.002133	µg/m ³	V0
Vanadium	0.000018	0.000099	µg/m ³	V0
Chromium	0.000045	0.000679	µg/m ³	V0
Manganese	0.000028	0.000729	µg/m ³	V0
Iron	0.001585	0.029467	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000203	µg/m ³	V0
Copper	0.000027	0.000606	µg/m ³	V0
Zinc	0.000149	0.005421	µg/m ³	V0
Arsenic	0.000005	0.000082	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000091	µg/m ³	V0
Strontium	0.000012	0.000168	µg/m ³	V0
Niobium	0.000006	0.000379	µg/m ³	V0
Molybdenum	0.000025	0.000068	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000077	µg/m ³	V0
Tin	0.000008	0.000277	µg/m ³	V0
Antimony	0.000016	0.000124	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000062	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001442	µg/m ³	V0
Tungsten	0.000005	0.000179	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000107	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904316	
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		732.0	mmHg	
Particulate Matter	0.042	5.333	µg/m ³	V0
Lithium	0.000016	0.000263	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016164	µg/m ³	V0
Magnesium	0.000279	0.030572	µg/m ³	V0
Aluminum	0.002800	0.117391	µg/m ³	V0
Silicon	0.010200	0.213506	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.071926	µg/m ³	V0
Calcium	0.013042	0.105728	µg/m ³	V0
Titanium	0.000031	0.006575	µg/m ³	V0
Vanadium	0.000018	0.000671	µg/m ³	V0
Chromium	0.000045	0.000806	µg/m ³	V0
Manganese	0.000028	0.001895	µg/m ³	V0
Iron	0.001585	0.111375	µg/m ³	V0
Cobalt	0.000005	0.000080	µg/m ³	V0
Nickel	0.000015	0.000355	µg/m ³	V0
Copper	0.000027	0.000323	µg/m ³	V0
Zinc	0.000149	0.007471	µg/m ³	V0
Arsenic	0.000005	0.000215	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000221	µg/m ³	V0
Strontium	0.000012	0.000545	µg/m ³	V0
Niobium	0.000006	0.000435	µg/m ³	V0
Molybdenum	0.000025	0.000110	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000036	µg/m ³	V0
Tin	0.000008	0.000313	µg/m ³	V0
Antimony	0.000016	0.000066	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.000295	µg/m ³	V0
Lanthanum	0.000004	0.000068	µg/m ³	V0
Cerium	0.000013	0.000148	µg/m ³	V0
Praseodymium	0.000002	0.000016	µg/m ³	V0
Neodymium	0.000005	0.000070	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.001446	µg/m ³	V0
Tungsten	0.000005	0.000205	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000108	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000023	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220904382
Start Date:	2022-09-07 07:26	End Date:	2022-09-07 07:27	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000160	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002658	µg/m ³	V0
Magnesium	0.000279	0.008194	µg/m ³	V0
Aluminum	0.002800	0.021176	µg/m ³	V0
Silicon	0.010200	0.042570	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.034285	µg/m ³	V0
Calcium	0.013042	0.026435	µg/m ³	V0
Titanium	0.000031	0.001360	µg/m ³	V0
Vanadium	0.000018	0.000019	µg/m ³	V0
Chromium	0.000045	0.001285	µg/m ³	V0
Manganese	0.000028	0.000162	µg/m ³	V0
Iron	0.001585	0.008646	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000389	µg/m ³	V0
Copper	0.000027	0.000739	µg/m ³	V0
Zinc	0.000149	0.003740	µg/m ³	V0
Arsenic	0.000005	0.000405	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000023	µg/m ³	V0
Strontium	0.000012	0.000102	µg/m ³	V0
Niobium	0.000006	0.002258	µg/m ³	V0
Molybdenum	0.000025	0.000118	µg/m ³	V0
Palladium	0.000050	0.000076	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000391	µg/m ³	V0
Antimony	0.000016	0.000284	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.012378	µg/m ³	V0
Tungsten	0.000005	0.000943	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000090	µg/m ³	V0
Lead	0.000018	0.000053	µg/m ³	V0
Bismuth	0.000004	0.000037	µg/m ³	V0
Thorium	0.000002	0.000024	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904337
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.6	°C	
Pressure		737.0	mmHg	
Particulate Matter	0.042	0.375	µg/m ³	V0
Lithium	0.000016	0.000131	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005540	µg/m ³	V0
Magnesium	0.000279	0.002517	µg/m ³	V0
Aluminum	0.002800	0.009837	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.033628	µg/m ³	V0
Calcium	0.013042	0.017275	µg/m ³	V0
Titanium	0.000031	0.001021	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000690	µg/m ³	V0
Manganese	0.000028	0.000153	µg/m ³	V0
Iron	0.001585	0.006997	µg/m ³	V0
Cobalt	0.000005	0.000014	µg/m ³	V0
Nickel	0.000015	0.000165	µg/m ³	V0
Copper	0.000027	0.000166	µg/m ³	V0
Zinc	0.000149	0.003587	µg/m ³	V0
Arsenic	0.000005	0.000009	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000015	µg/m ³	V0
Strontium	0.000012	0.000050	µg/m ³	V0
Niobium	0.000006	0.000413	µg/m ³	V0
Molybdenum	0.000025	0.000043	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000201	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001487	µg/m ³	V0
Tungsten	0.000005	0.000157	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904354
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.0	°C	
Pressure		710.0	mmHg	
Particulate Matter	0.042	2.042	µg/m ³	V0
Lithium	0.000016	0.000124	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001522	µg/m ³	V0
Magnesium	0.000279	0.005423	µg/m ³	V0
Aluminum	0.002800	0.009371	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.036916	µg/m ³	V0
Calcium	0.013042	0.016497	µg/m ³	V0
Titanium	0.000031	0.000517	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000971	µg/m ³	V0
Manganese	0.000028	0.000119	µg/m ³	V0
Iron	0.001585	0.010801	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000351	µg/m ³	V0
Copper	0.000027	0.000313	µg/m ³	V0
Zinc	0.000149	0.001902	µg/m ³	V0
Arsenic	0.000005	0.000024	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000016	µg/m ³	V0
Strontium	0.000012	0.000046	µg/m ³	V0
Niobium	0.000006	0.000213	µg/m ³	V0
Molybdenum	0.000025	0.000037	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000160	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000768	µg/m ³	V0
Tungsten	0.000005	0.000124	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000019	µg/m ³	V0
Bismuth	0.000004	0.000088	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904361
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.5	°C	
Pressure		717.0	mmHg	
Particulate Matter	0.042	1.792	µg/m ³	V0
Lithium	0.000016	0.000115	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002175	µg/m ³	V0
Magnesium	0.000279	0.009008	µg/m ³	V0
Aluminum	0.002800	0.014101	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.033903	µg/m ³	V0
Calcium	0.013042	0.014896	µg/m ³	V0
Titanium	0.000031	0.001325	µg/m ³	V0
Vanadium	0.000018	0.000049	µg/m ³	V0
Chromium	0.000045	0.000408	µg/m ³	V0
Manganese	0.000028	0.000177	µg/m ³	V0
Iron	0.001585	0.005519	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000162	µg/m ³	V0
Copper	0.000027	0.000733	µg/m ³	V0
Zinc	0.000149	0.004671	µg/m ³	V0
Arsenic	0.000005	0.000035	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000021	µg/m ³	V0
Strontium	0.000012	0.000038	µg/m ³	V0
Niobium	0.000006	0.000292	µg/m ³	V0
Molybdenum	0.000025	0.000039	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000170	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001194	µg/m ³	V0
Tungsten	0.000005	0.000148	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000055	µg/m ³	V0
Bismuth	0.000004	0.000261	µg/m ³	V4
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904364
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.1	°C	
Pressure		715.5	mmHg	
Particulate Matter	0.042	1.542	µg/m ³	V0
Lithium	0.000016	0.000115	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005184	µg/m ³	V0
Magnesium	0.000279	0.003816	µg/m ³	V0
Aluminum	0.002800	0.009885	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.031697	µg/m ³	V0
Calcium	0.013042	0.019597	µg/m ³	V0
Titanium	0.000031	0.000437	µg/m ³	V0
Vanadium	0.000018	0.000031	µg/m ³	V0
Chromium	0.000045	0.000686	µg/m ³	V0
Manganese	0.000028	0.000325	µg/m ³	V0
Iron	0.001585	0.028830	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000256	µg/m ³	V0
Copper	0.000027	0.000242	µg/m ³	V0
Zinc	0.000149	0.002541	µg/m ³	V0
Arsenic	0.000005	0.000015	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000015	µg/m ³	V0
Strontium	0.000012	0.000044	µg/m ³	V0
Niobium	0.000006	0.000664	µg/m ³	V0
Molybdenum	0.000025	0.000120	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000159	µg/m ³	V0
Antimony	0.000016	0.000089	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001830	µg/m ³	V0
Tungsten	0.000005	0.000688	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000057	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904371
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.3	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	1.542	µg/m ³	V0
Lithium	0.000016	0.000132	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011566	µg/m ³	V0
Magnesium	0.000279	0.004163	µg/m ³	V0
Aluminum	0.002800	0.017267	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.047632	µg/m ³	V0
Calcium	0.013042	0.031580	µg/m ³	V0
Titanium	0.000031	0.001021	µg/m ³	V0
Vanadium	0.000018	0.000052	µg/m ³	V0
Chromium	0.000045	0.000679	µg/m ³	V0
Manganese	0.000028	0.000575	µg/m ³	V0
Iron	0.001585	0.016306	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000273	µg/m ³	V0
Copper	0.000027	0.000283	µg/m ³	V0
Zinc	0.000149	0.001109	µg/m ³	V0
Arsenic	0.000005	0.000016	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000020	µg/m ³	V0
Strontium	0.000012	0.000081	µg/m ³	V0
Niobium	0.000006	0.000279	µg/m ³	V0
Molybdenum	0.000025	0.000080	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000336	µg/m ³	V0
Antimony	0.000016	0.000090	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000940	µg/m ³	V0
Tungsten	0.000005	0.000131	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000029	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904379
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.7	°C	
Pressure		726.7	mmHg	
Particulate Matter	0.042	1.125	µg/m ³	V0
Lithium	0.000016	0.000154	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004588	µg/m ³	V0
Magnesium	0.000279	0.004252	µg/m ³	V0
Aluminum	0.002800	0.010551	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.028964	µg/m ³	V0
Calcium	0.013042	0.018073	µg/m ³	V0
Titanium	0.000031	0.000412	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000584	µg/m ³	V0
Manganese	0.000028	0.000216	µg/m ³	V0
Iron	0.001585	0.009445	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000154	µg/m ³	V0
Copper	0.000027	0.000531	µg/m ³	V0
Zinc	0.000149	0.003509	µg/m ³	V0
Arsenic	0.000005	0.000079	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000019	µg/m ³	V0
Strontium	0.000012	0.000068	µg/m ³	V0
Niobium	0.000006	0.000726	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	0.000054	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000109	µg/m ³	V0
Antimony	0.000016	0.000064	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001790	µg/m ³	V0
Tungsten	0.000005	0.000249	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000049	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904391
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

Short sampling duration and low sample volume due to power outage.(84600/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.5	m ³	V6
Temperature		12.7	°C	
Pressure		734.1	mmHg	
Particulate Matter	0.042	1.064	µg/m ³	V0
Lithium	0.000016	0.000124	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007011	µg/m ³	V0
Magnesium	0.000279	0.004997	µg/m ³	V0
Aluminum	0.002800	0.011263	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.034257	µg/m ³	V0
Calcium	0.013042	0.018864	µg/m ³	V0
Titanium	0.000031	0.000479	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000470	µg/m ³	V0
Manganese	0.000028	0.000281	µg/m ³	V0
Iron	0.001585	0.020455	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000084	µg/m ³	V0
Copper	0.000027	0.000546	µg/m ³	V0
Zinc	0.000149	0.003540	µg/m ³	V0
Arsenic	0.000005	0.000010	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000018	µg/m ³	V0
Strontium	0.000012	0.000034	µg/m ³	V0
Niobium	0.000006	0.000533	µg/m ³	V0
Molybdenum	0.000025	0.000136	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000127	µg/m ³	V0
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001533	µg/m ³	V0
Tungsten	0.000005	0.000351	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000047	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220904439
Start Date:	2022-09-09 09:25	End Date:	2022-09-09 09:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000120	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003559	µg/m ³	V0
Magnesium	0.000279	0.001826	µg/m ³	V0
Aluminum	0.002800	0.005083	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.033655	µg/m ³	V0
Calcium	0.013042	0.019308	µg/m ³	V0
Titanium	0.000031	0.000190	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000578	µg/m ³	V0
Manganese	0.000028	0.000095	µg/m ³	V0
Iron	0.001585	0.004224	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000145	µg/m ³	V0
Copper	0.000027	0.000260	µg/m ³	V0
Zinc	0.000149	0.001186	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000008	µg/m ³	V0
Strontium	0.000012	0.000030	µg/m ³	V0
Niobium	0.000006	0.000314	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000114	µg/m ³	V0
Antimony	0.000016	0.000043	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000787	µg/m ³	V0
Tungsten	0.000005	0.000179	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000021	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904426
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.7	°C	
Pressure		715.5	mmHg	
Particulate Matter	0.042	5.500	µg/m ³	V0
Lithium	0.000016	0.000139	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011248	µg/m ³	V0
Magnesium	0.000279	0.014750	µg/m ³	V0
Aluminum	0.002800	0.038856	µg/m ³	V0
Silicon	0.010200	0.098765	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.063624	µg/m ³	V0
Calcium	0.013042	0.048344	µg/m ³	V0
Titanium	0.000031	0.001657	µg/m ³	V0
Vanadium	0.000018	0.000084	µg/m ³	V0
Chromium	0.000045	0.001041	µg/m ³	V0
Manganese	0.000028	0.000783	µg/m ³	V0
Iron	0.001585	0.033345	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000340	µg/m ³	V0
Copper	0.000027	0.000331	µg/m ³	V0
Zinc	0.000149	0.006052	µg/m ³	V0
Arsenic	0.000005	0.000063	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000076	µg/m ³	V0
Strontium	0.000012	0.000169	µg/m ³	V0
Niobium	0.000006	0.000331	µg/m ³	V0
Molybdenum	0.000025	0.000064	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000031	µg/m ³	V0
Tin	0.000008	0.000143	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000024	µg/m ³	V0
Cerium	0.000013	0.000047	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000023	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001056	µg/m ³	V0
Tungsten	0.000005	0.000158	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000139	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904444
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.1	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	5.792	µg/m ³	V0
Lithium	0.000016	0.000146	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013042	µg/m ³	V0
Magnesium	0.000279	0.017994	µg/m ³	V0
Aluminum	0.002800	0.043759	µg/m ³	V0
Silicon	0.010200	0.101118	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.048624	µg/m ³	V0
Calcium	0.013042	0.061306	µg/m ³	V0
Titanium	0.000031	0.002841	µg/m ³	V0
Vanadium	0.000018	0.000070	µg/m ³	V0
Chromium	0.000045	0.000980	µg/m ³	V0
Manganese	0.000028	0.000940	µg/m ³	V0
Iron	0.001585	0.051277	µg/m ³	V0
Cobalt	0.000005	0.000053	µg/m ³	V0
Nickel	0.000015	0.000261	µg/m ³	V0
Copper	0.000027	0.000693	µg/m ³	V0
Zinc	0.000149	0.004966	µg/m ³	V0
Arsenic	0.000005	0.000061	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000083	µg/m ³	V0
Strontium	0.000012	0.000244	µg/m ³	V0
Niobium	0.000006	0.000321	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000022	µg/m ³	V0
Tin	0.000008	0.000332	µg/m ³	V0
Antimony	0.000016	0.000344	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001729	µg/m ³	V0
Lanthanum	0.000004	0.000026	µg/m ³	V0
Cerium	0.000013	0.000064	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000886	µg/m ³	V0
Tungsten	0.000005	0.000257	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000183	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904453
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		726.4	mmHg	
Particulate Matter	0.042	5.000	µg/m ³	V0
Lithium	0.000016	0.000158	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014223	µg/m ³	V0
Magnesium	0.000279	0.021445	µg/m ³	V0
Aluminum	0.002800	0.062240	µg/m ³	V0
Silicon	0.010200	0.172626	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.056352	µg/m ³	V0
Calcium	0.013042	0.061215	µg/m ³	V0
Titanium	0.000031	0.002874	µg/m ³	V0
Vanadium	0.000018	0.000108	µg/m ³	V0
Chromium	0.000045	0.000602	µg/m ³	V0
Manganese	0.000028	0.000983	µg/m ³	V0
Iron	0.001585	0.045174	µg/m ³	V0
Cobalt	0.000005	0.000086	µg/m ³	V0
Nickel	0.000015	0.000251	µg/m ³	V0
Copper	0.000027	0.000454	µg/m ³	V0
Zinc	0.000149	0.003046	µg/m ³	V0
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000098	µg/m ³	V0
Strontium	0.000012	0.000284	µg/m ³	V0
Niobium	0.000006	0.000342	µg/m ³	V0
Molybdenum	0.000025	0.000055	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000203	µg/m ³	V0
Antimony	0.000016	0.000158	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000291	µg/m ³	V0
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000075	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000028	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001133	µg/m ³	V0
Tungsten	0.000005	0.000215	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000091	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220904457
Start Date:	2022-09-14 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-09-15 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.8	°C	
Pressure		733.4	mmHg	
Particulate Matter	0.042	7.083	µg/m ³	V0
Lithium	0.000016	0.000260	µg/m ³	V0
Beryllium	0.000013	0.000016	µg/m ³	V0
Sodium	0.000777	0.020438	µg/m ³	V0
Magnesium	0.000279	0.030295	µg/m ³	V0
Aluminum	0.002800	0.114775	µg/m ³	V0
Silicon	0.010200	0.248957	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.061433	µg/m ³	V0
Calcium	0.013042	0.165028	µg/m ³	V0
Titanium	0.000031	0.004289	µg/m ³	V0
Vanadium	0.000018	0.000308	µg/m ³	V0
Chromium	0.000045	0.001246	µg/m ³	V0
Manganese	0.000028	0.001519	µg/m ³	V0
Iron	0.001585	0.092657	µg/m ³	V0
Cobalt	0.000005	0.000087	µg/m ³	V0
Nickel	0.000015	0.000494	µg/m ³	V0
Copper	0.000027	0.000681	µg/m ³	V0
Zinc	0.000149	0.005401	µg/m ³	V0
Arsenic	0.000005	0.000206	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000194	µg/m ³	V0
Strontium	0.000012	0.000549	µg/m ³	V0
Niobium	0.000006	0.001210	µg/m ³	V0
Molybdenum	0.000025	0.000106	µg/m ³	V0
Palladium	0.000050	0.000074	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000502	µg/m ³	V0
Antimony	0.000016	0.000253	µg/m ³	V0
Cesium	0.000004	0.000022	µg/m ³	V0
Barium	0.000054	0.000193	µg/m ³	V0
Lanthanum	0.000004	0.000080	µg/m ³	V0
Cerium	0.000013	0.000156	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000071	µg/m ³	V0
Samarium	0.000006	0.000021	µg/m ³	V0
Tantalum	0.000003	0.003022	µg/m ³	V0
Tungsten	0.000005	0.000376	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000039	µg/m ³	V0
Lead	0.000018	0.000375	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904480
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.4	°C	
Pressure		709.4	mmHg	
Particulate Matter	0.042	20.375	µg/m ³	V0
Lithium	0.000016	0.000483	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.046036	µg/m ³	V0
Magnesium	0.000279	0.130016	µg/m ³	V4
Aluminum	0.002800	0.304039	µg/m ³	V0
Silicon	0.010200	0.522854	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.144062	µg/m ³	V0
Calcium	0.013042	0.887124	µg/m ³	V4
Titanium	0.000031	0.015834	µg/m ³	V0
Vanadium	0.000018	0.001139	µg/m ³	V0
Chromium	0.000045	0.001049	µg/m ³	V0
Manganese	0.000028	0.010051	µg/m ³	V4
Iron	0.001585	0.470020	µg/m ³	V4
Cobalt	0.000005	0.000239	µg/m ³	V0
Nickel	0.000015	0.000530	µg/m ³	V0
Copper	0.000027	0.000729	µg/m ³	V0
Zinc	0.000149	0.011163	µg/m ³	V0
Arsenic	0.000005	0.000223	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000620	µg/m ³	V0
Strontium	0.000012	0.002456	µg/m ³	V4
Niobium	0.000006	0.000565	µg/m ³	V0
Molybdenum	0.000025	0.000083	µg/m ³	V0
Palladium	0.000050	0.000056	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000045	µg/m ³	V0
Tin	0.000008	0.000169	µg/m ³	V0
Antimony	0.000016	0.000196	µg/m ³	V0
Cesium	0.000004	0.000029	µg/m ³	V0
Barium	0.000054	0.004797	µg/m ³	V0
Lanthanum	0.000004	0.000264	µg/m ³	V0
Cerium	0.000013	0.000544	µg/m ³	V0
Praseodymium	0.000002	0.000065	µg/m ³	V0
Neodymium	0.000005	0.000243	µg/m ³	V0
Samarium	0.000006	0.000046	µg/m ³	V0
Tantalum	0.000003	0.001676	µg/m ³	V0
Tungsten	0.000005	0.000224	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000296	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000088	µg/m ³	V0
Uranium	0.000003	0.000026	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904492
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.0	°C	
Pressure		716.8	mmHg	
Particulate Matter	0.042	6.583	µg/m ³	V0
Lithium	0.000016	0.000165	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008495	µg/m ³	V0
Magnesium	0.000279	0.017975	µg/m ³	V0
Aluminum	0.002800	0.043308	µg/m ³	V0
Silicon	0.010200	0.097415	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.046832	µg/m ³	V0
Calcium	0.013042	0.042953	µg/m ³	V0
Titanium	0.000031	0.001696	µg/m ³	V0
Vanadium	0.000018	0.000057	µg/m ³	V0
Chromium	0.000045	0.000492	µg/m ³	V0
Manganese	0.000028	0.000715	µg/m ³	V0
Iron	0.001585	0.028887	µg/m ³	V0
Cobalt	0.000005	0.000064	µg/m ³	V0
Nickel	0.000015	0.000397	µg/m ³	V0
Copper	0.000027	0.000211	µg/m ³	V0
Zinc	0.000149	0.005614	µg/m ³	V0
Arsenic	0.000005	0.000062	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000076	µg/m ³	V0
Strontium	0.000012	0.000172	µg/m ³	V0
Niobium	0.000006	0.000566	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000037	µg/m ³	V0
Tin	0.000008	0.000116	µg/m ³	V0
Antimony	0.000016	0.000084	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000044	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001625	µg/m ³	V0
Tungsten	0.000005	0.000162	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000145	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904486
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.9	°C	
Pressure		736.8	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Lithium	0.000016	0.000133	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.025278	µg/m ³	V0
Magnesium	0.000279	0.078085	µg/m ³	V0
Aluminum	0.002800	0.119401	µg/m ³	V0
Silicon	0.010200	0.079564	µg/m ³	V0
Phosphorus	0.003480	0.025774	µg/m ³	V0
Potassium	0.000402	0.022912	µg/m ³	V0
Calcium	0.013042	0.065600	µg/m ³	V0
Titanium	0.000031	0.004014	µg/m ³	V0
Vanadium	0.000018	0.000417	µg/m ³	V0
Chromium	0.000045	0.000600	µg/m ³	V0
Manganese	0.000028	0.001612	µg/m ³	V0
Iron	0.001585	0.062212	µg/m ³	V0
Cobalt	0.000005	0.000066	µg/m ³	V0
Nickel	0.000015	0.000216	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.003184	µg/m ³	V0
Arsenic	0.000005	0.000075	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000145	µg/m ³	V0
Strontium	0.000012	0.000343	µg/m ³	V0
Niobium	0.000006	0.000507	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	0.000068	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000126	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001205	µg/m ³	V0
Lanthanum	0.000004	0.000078	µg/m ³	V0
Cerium	0.000013	0.000154	µg/m ³	V0
Praseodymium	0.000002	0.000018	µg/m ³	V0
Neodymium	0.000005	0.000064	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.001951	µg/m ³	V0
Tungsten	0.000005	0.000131	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000064	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000022	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220904535
Start Date:	2022-09-16 16:25	End Date:	2022-09-16 16:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002667	µg/m ³	V0
Magnesium	0.000279	0.057488	µg/m ³	V0
Aluminum	0.002800	0.040271	µg/m ³	V0
Silicon	0.010200	0.054792	µg/m ³	V0
Phosphorus	0.003480	0.024124	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.015654	µg/m ³	V0
Titanium	0.000031	0.000628	µg/m ³	V0
Vanadium	0.000018	0.000169	µg/m ³	V0
Chromium	0.000045	0.000287	µg/m ³	V0
Manganese	0.000028	0.000140	µg/m ³	V0
Iron	0.001585	0.007785	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000080	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001153	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000018	µg/m ³	V0
Strontium	0.000012	0.000049	µg/m ³	V0
Niobium	0.000006	0.000452	µg/m ³	V0
Molybdenum	0.000025	0.000032	µg/m ³	V0
Palladium	0.000050	0.000061	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000149	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000075	µg/m ³	V0
Lanthanum	0.000004	0.000066	µg/m ³	V0
Cerium	0.000013	0.000201	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001818	µg/m ³	V0
Tungsten	0.000005	0.000120	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904512
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.6	°C	
Pressure		738.7	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Lithium	0.000016	0.000104	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013817	µg/m ³	V0
Magnesium	0.000279	0.002169	µg/m ³	V0
Aluminum	0.002800	0.003254	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.036455	µg/m ³	V0
Calcium	0.013042	0.019138	µg/m ³	V0
Titanium	0.000031	0.000546	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000867	µg/m ³	V0
Manganese	0.000028	0.000160	µg/m ³	V0
Iron	0.001585	0.008792	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000281	µg/m ³	V0
Copper	0.000027	0.001484	µg/m ³	V0
Zinc	0.000149	0.000756	µg/m ³	V0
Arsenic	0.000005	0.000038	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000013	µg/m ³	V0
Strontium	0.000012	0.000055	µg/m ³	V0
Niobium	0.000006	0.000189	µg/m ³	V0
Molybdenum	0.000025	0.000061	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000304	µg/m ³	V0
Antimony	0.000016	0.000031	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000569	µg/m ³	V0
Tungsten	0.000005	0.000151	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000041	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904548
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.9	°C	
Pressure		731.0	mmHg	
Particulate Matter	0.042	1.375	µg/m ³	V0
Lithium	0.000016	0.000113	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016885	µg/m ³	V0
Magnesium	0.000279	0.007113	µg/m ³	V0
Aluminum	0.002800	0.009741	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.037101	µg/m ³	V0
Calcium	0.013042	0.015273	µg/m ³	V0
Titanium	0.000031	0.000419	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000690	µg/m ³	V0
Manganese	0.000028	0.000183	µg/m ³	V0
Iron	0.001585	0.010784	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000260	µg/m ³	V0
Copper	0.000027	0.000299	µg/m ³	V0
Zinc	0.000149	0.003830	µg/m ³	V0
Arsenic	0.000005	0.000028	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000020	µg/m ³	V0
Strontium	0.000012	0.000044	µg/m ³	V0
Niobium	0.000006	0.000232	µg/m ³	V0
Molybdenum	0.000025	0.000058	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000063	µg/m ³	V0
Antimony	0.000016	0.000042	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000773	µg/m ³	V0
Tungsten	0.000005	0.000148	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000044	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904559
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.9	°C	
Pressure		713.8	mmHg	
Particulate Matter	0.042	1.667	µg/m ³	V0
Lithium	0.000016	0.000112	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009870	µg/m ³	V0
Magnesium	0.000279	0.001879	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.042591	µg/m ³	V0
Calcium	0.013042	0.016921	µg/m ³	V0
Titanium	0.000031	0.000385	µg/m ³	V0
Vanadium	0.000018	0.000035	µg/m ³	V0
Chromium	0.000045	0.000413	µg/m ³	V0
Manganese	0.000028	0.000196	µg/m ³	V0
Iron	0.001585	0.013576	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000178	µg/m ³	V0
Copper	0.000027	0.000182	µg/m ³	V0
Zinc	0.000149	0.001845	µg/m ³	V0
Arsenic	0.000005	0.000305	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000025	µg/m ³	V0
Strontium	0.000012	0.000032	µg/m ³	V0
Niobium	0.000006	0.000271	µg/m ³	V0
Molybdenum	0.000025	0.000047	µg/m ³	V0
Palladium	0.000050	0.000069	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000141	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001344	µg/m ³	V0
Tungsten	0.000005	0.000246	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000173	µg/m ³	V4
Lead	0.000018	0.000031	µg/m ³	V0
Bismuth	0.000004	0.000037	µg/m ³	V0
Thorium	0.000002	0.000125	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904561
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.
Short sampling duration and low sample volume due to power failure.(85680/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.8	m ³	V6
Temperature		10.0	°C	
Pressure		741.2	mmHg	
Particulate Matter	0.042	2.269	µg/m ³	V0
Lithium	0.000016	0.000147	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.029531	µg/m ³	V0
Magnesium	0.000279	0.009970	µg/m ³	V0
Aluminum	0.002800	0.024425	µg/m ³	V0
Silicon	0.010200	0.074341	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.050192	µg/m ³	V0
Calcium	0.013042	0.052228	µg/m ³	V0
Titanium	0.000031	0.002261	µg/m ³	V0
Vanadium	0.000018	0.000080	µg/m ³	V0
Chromium	0.000045	0.001951	µg/m ³	V0
Manganese	0.000028	0.000803	µg/m ³	V0
Iron	0.001585	0.046485	µg/m ³	V0
Cobalt	0.000005	0.000059	µg/m ³	V0
Nickel	0.000015	0.000864	µg/m ³	V0
Copper	0.000027	0.000851	µg/m ³	V0
Zinc	0.000149	0.003493	µg/m ³	V0
Arsenic	0.000005	0.000057	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000054	µg/m ³	V0
Strontium	0.000012	0.000244	µg/m ³	V0
Niobium	0.000006	0.000402	µg/m ³	V0
Molybdenum	0.000025	0.000168	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000316	µg/m ³	V0
Antimony	0.000016	0.000285	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001426	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000065	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001245	µg/m ³	V0
Tungsten	0.000005	0.000320	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000106	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904570
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.8	°C	
Pressure		721.1	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Lithium	0.000016	0.000155	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011795	µg/m ³	V0
Magnesium	0.000279	0.008728	µg/m ³	V0
Aluminum	0.002800	0.014848	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.032334	µg/m ³	V0
Calcium	0.013042	0.013443	µg/m ³	V0
Titanium	0.000031	0.000287	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000600	µg/m ³	V0
Manganese	0.000028	0.000161	µg/m ³	V0
Iron	0.001585	0.007398	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000198	µg/m ³	V0
Copper	0.000027	0.000216	µg/m ³	V0
Zinc	0.000149	0.009011	µg/m ³	V0
Arsenic	0.000005	0.000068	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000030	µg/m ³	V0
Strontium	0.000012	0.000051	µg/m ³	V0
Niobium	0.000006	0.000724	µg/m ³	V0
Molybdenum	0.000025	0.000065	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	0.000069	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001916	µg/m ³	V0
Tungsten	0.000005	0.000225	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000031	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904574
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.6	°C	
Pressure		719.9	mmHg	
Particulate Matter	0.042	1.750	µg/m ³	V0
Lithium	0.000016	0.000114	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013172	µg/m ³	V0
Magnesium	0.000279	0.005995	µg/m ³	V0
Aluminum	0.002800	0.012843	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.040657	µg/m ³	V0
Calcium	0.013042	0.016188	µg/m ³	V0
Titanium	0.000031	0.000266	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000359	µg/m ³	V0
Manganese	0.000028	0.000311	µg/m ³	V0
Iron	0.001585	0.012487	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000240	µg/m ³	V0
Copper	0.000027	0.000068	µg/m ³	V0
Zinc	0.000149	0.005484	µg/m ³	V0
Arsenic	0.000005	0.000031	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000014	µg/m ³	V0
Strontium	0.000012	0.000045	µg/m ³	V0
Niobium	0.000006	0.000218	µg/m ³	V0
Molybdenum	0.000025	0.000038	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000228	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000881	µg/m ³	V0
Tungsten	0.000005	0.000135	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904542
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.5	°C	
Pressure		742.1	mmHg	
Particulate Matter	0.042	0.917	µg/m ³	V0
Lithium	0.000016	0.000068	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031688	µg/m ³	V0
Magnesium	0.000279	0.070809	µg/m ³	V0
Aluminum	0.002800	0.059072	µg/m ³	V0
Silicon	0.010200	0.021161	µg/m ³	V0
Phosphorus	0.003480	0.023050	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.018467	µg/m ³	V0
Titanium	0.000031	0.000418	µg/m ³	V0
Vanadium	0.000018	0.000165	µg/m ³	V0
Chromium	0.000045	0.000317	µg/m ³	V0
Manganese	0.000028	0.000178	µg/m ³	V0
Iron	0.001585	0.008004	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000172	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.013314	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000042	µg/m ³	V0
Strontium	0.000012	0.000087	µg/m ³	V0
Niobium	0.000006	0.000360	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000164	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000310	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001365	µg/m ³	V0
Tungsten	0.000005	0.000093	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000025	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Metal** Samp Use: **Field Procedure Blank** Set Index: **1**
Location: **Anzac** Loc ID: **ANZC** WBEA ID: **220904679**
Start Date: **2022-09-23 14:25** End Date: **2022-09-23 14:26** Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.375	µg/m ³	V0
Lithium	0.000016	0.000113	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005939	µg/m ³	V0
Aluminum	0.002800	0.007611	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.035502	µg/m ³	V0
Calcium	0.013042	0.013819	µg/m ³	V0
Titanium	0.000031	0.000394	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000757	µg/m ³	V0
Manganese	0.000028	0.000119	µg/m ³	V0
Iron	0.001585	0.005038	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000308	µg/m ³	V0
Copper	0.000027	0.000323	µg/m ³	V0
Zinc	0.000149	0.006881	µg/m ³	V0
Arsenic	0.000005	0.000014	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000011	µg/m ³	V0
Strontium	0.000012	0.000022	µg/m ³	V0
Niobium	0.000006	0.000401	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000278	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001106	µg/m ³	V0
Tungsten	0.000005	0.000382	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904587	
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.9	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Lithium	0.000016	0.000182	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.019520	µg/m ³	V0
Magnesium	0.000279	0.020773	µg/m ³	V0
Aluminum	0.002800	0.077060	µg/m ³	V0
Silicon	0.010200	0.121845	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.069533	µg/m ³	V0
Calcium	0.013042	0.165695	µg/m ³	V0
Titanium	0.000031	0.003531	µg/m ³	V0
Vanadium	0.000018	0.000209	µg/m ³	V0
Chromium	0.000045	0.001160	µg/m ³	V0
Manganese	0.000028	0.001711	µg/m ³	V0
Iron	0.001585	0.061399	µg/m ³	V0
Cobalt	0.000005	0.000057	µg/m ³	V0
Nickel	0.000015	0.000572	µg/m ³	V0
Copper	0.000027	0.001338	µg/m ³	V0
Zinc	0.000149	0.009783	µg/m ³	V0
Arsenic	0.000005	0.000070	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000126	µg/m ³	V0
Strontium	0.000012	0.000452	µg/m ³	V0
Niobium	0.000006	0.001407	µg/m ³	V0
Molybdenum	0.000025	0.000868	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000292	µg/m ³	V4
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000453	µg/m ³	V0
Antimony	0.000016	0.000524	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000039	µg/m ³	V0
Cerium	0.000013	0.000088	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000038	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.011671	µg/m ³	V0
Tungsten	0.000005	0.007372	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000181	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904652
Start Date:	2022-09-26 00:00	End Date:	2022-09-26 10:14	Duration:	10.2 hr

Notes

Upon collection of the sample, partisol had stop flow and sample period error codes. Resulted in a short sampling duration and low sample volume.(36840/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2
Temperature		6.0	°C	
Pressure		740.3	mmHg	
Particulate Matter	0.042	-9999	µg/m ³	M2
Lithium	0.000016	-9999	µg/m ³	M2
Beryllium	0.000013	-9999	µg/m ³	M2
Sodium	0.000777	-9999	µg/m ³	M2
Magnesium	0.000279	-9999	µg/m ³	M2
Aluminum	0.002800	-9999	µg/m ³	M2
Silicon	0.010200	-9999	µg/m ³	M2
Phosphorus	0.003480	-9999	µg/m ³	M2
Potassium	0.000402	-9999	µg/m ³	M2
Calcium	0.013042	-9999	µg/m ³	M2
Titanium	0.000031	-9999	µg/m ³	M2
Vanadium	0.000018	-9999	µg/m ³	M2
Chromium	0.000045	-9999	µg/m ³	M2
Manganese	0.000028	-9999	µg/m ³	M2
Iron	0.001585	-9999	µg/m ³	M2
Cobalt	0.000005	-9999	µg/m ³	M2
Nickel	0.000015	-9999	µg/m ³	M2
Copper	0.000027	-9999	µg/m ³	M2
Zinc	0.000149	-9999	µg/m ³	M2
Arsenic	0.000005	-9999	µg/m ³	M2
Selenium	0.000133	-9999	µg/m ³	M2
Rubidium	0.000003	-9999	µg/m ³	M2
Strontium	0.000012	-9999	µg/m ³	M2
Niobium	0.000006	-9999	µg/m ³	M2
Molybdenum	0.000025	-9999	µg/m ³	M2
Palladium	0.000050	-9999	µg/m ³	M2
Silver	0.000006	-9999	µg/m ³	M2
Cadmium	0.000011	-9999	µg/m ³	M2
Tin	0.000008	-9999	µg/m ³	M2
Antimony	0.000016	-9999	µg/m ³	M2
Cesium	0.000004	-9999	µg/m ³	M2
Barium	0.000054	-9999	µg/m ³	M2
Lanthanum	0.000004	-9999	µg/m ³	M2
Cerium	0.000013	-9999	µg/m ³	M2
Praseodymium	0.000002	-9999	µg/m ³	M2
Neodymium	0.000005	-9999	µg/m ³	M2
Samarium	0.000006	-9999	µg/m ³	M2
Tantalum	0.000003	-9999	µg/m ³	M2
Tungsten	0.000005	-9999	µg/m ³	M2
Platinum	0.000004	-9999	µg/m ³	M2
Thallium	0.000005	-9999	µg/m ³	M2
Lead	0.000018	-9999	µg/m ³	M2
Bismuth	0.000004	-9999	µg/m ³	M2
Thorium	0.000002	-9999	µg/m ³	M2
Uranium	0.000003	-9999	µg/m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904660
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.1	°C	
Pressure		730.5	mmHg	
Particulate Matter	0.042	3.417	µg/m ³	V0
Lithium	0.000016	0.000124	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012357	µg/m ³	V0
Magnesium	0.000279	0.006921	µg/m ³	V0
Aluminum	0.002800	0.013844	µg/m ³	V0
Silicon	0.010200	0.024000	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.041694	µg/m ³	V0
Calcium	0.013042	0.028702	µg/m ³	V0
Titanium	0.000031	0.001201	µg/m ³	V0
Vanadium	0.000018	0.000024	µg/m ³	V0
Chromium	0.000045	0.000752	µg/m ³	V0
Manganese	0.000028	0.000435	µg/m ³	V0
Iron	0.001585	0.023166	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000294	µg/m ³	V0
Copper	0.000027	0.000459	µg/m ³	V0
Zinc	0.000149	0.004947	µg/m ³	V0
Arsenic	0.000005	0.000144	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000035	µg/m ³	V0
Strontium	0.000012	0.000101	µg/m ³	V0
Niobium	0.000006	0.000234	µg/m ³	V0
Molybdenum	0.000025	0.000078	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000148	µg/m ³	V0
Antimony	0.000016	0.000122	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000826	µg/m ³	V0
Tungsten	0.000005	0.000185	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000107	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904665
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.8	°C	
Pressure		713.3	mmHg	
Particulate Matter	0.042	6.375	µg/m ³	V0
Lithium	0.000016	0.000265	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.041870	µg/m ³	V0
Magnesium	0.000279	0.066854	µg/m ³	V0
Aluminum	0.002800	0.135628	µg/m ³	V0
Silicon	0.010200	0.356436	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.088900	µg/m ³	V0
Calcium	0.013042	0.441093	µg/m ³	V0
Titanium	0.000031	0.007414	µg/m ³	V0
Vanadium	0.000018	0.000546	µg/m ³	V0
Chromium	0.000045	0.000714	µg/m ³	V0
Manganese	0.000028	0.004339	µg/m ³	V0
Iron	0.001585	0.195927	µg/m ³	V0
Cobalt	0.000005	0.000118	µg/m ³	V0
Nickel	0.000015	0.000330	µg/m ³	V0
Copper	0.000027	0.000607	µg/m ³	V0
Zinc	0.000149	0.005785	µg/m ³	V0
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000298	µg/m ³	V0
Strontium	0.000012	0.001233	µg/m ³	V0
Niobium	0.000006	0.000255	µg/m ³	V0
Molybdenum	0.000025	0.000068	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000255	µg/m ³	V0
Antimony	0.000016	0.000119	µg/m ³	V0
Cesium	0.000004	0.000012	µg/m ³	V0
Barium	0.000054	0.001486	µg/m ³	V0
Lanthanum	0.000004	0.000139	µg/m ³	V0
Cerium	0.000013	0.000291	µg/m ³	V0
Praseodymium	0.000002	0.000033	µg/m ³	V0
Neodymium	0.000005	0.000130	µg/m ³	V0
Samarium	0.000006	0.000023	µg/m ³	V0
Tantalum	0.000003	0.000844	µg/m ³	V0
Tungsten	0.000005	0.000152	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000196	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000045	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904673
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.2	°C	
Pressure		720.9	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Lithium	0.000016	0.000118	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004540	µg/m ³	V0
Magnesium	0.000279	0.003919	µg/m ³	V0
Aluminum	0.002800	0.009321	µg/m ³	V0
Silicon	0.010200	0.026523	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.038999	µg/m ³	V0
Calcium	0.013042	0.018548	µg/m ³	V0
Titanium	0.000031	0.000626	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000889	µg/m ³	V0
Manganese	0.000028	0.000415	µg/m ³	V0
Iron	0.001585	0.025617	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000329	µg/m ³	V0
Copper	0.000027	0.001217	µg/m ³	V0
Zinc	0.000149	0.004691	µg/m ³	V0
Arsenic	0.000005	0.000010	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000023	µg/m ³	V0
Strontium	0.000012	0.000050	µg/m ³	V0
Niobium	0.000006	0.000293	µg/m ³	V0
Molybdenum	0.000025	0.000190	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000085	µg/m ³	V0
Antimony	0.000016	0.000045	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001044	µg/m ³	V0
Tungsten	0.000005	0.000230	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000058	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904683
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		719.5	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Lithium	0.000016	0.000132	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018665	µg/m ³	V0
Magnesium	0.000279	0.009590	µg/m ³	V0
Aluminum	0.002800	0.022624	µg/m ³	V0
Silicon	0.010200	0.023815	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.039395	µg/m ³	V0
Calcium	0.013042	0.033688	µg/m ³	V0
Titanium	0.000031	0.001246	µg/m ³	V0
Vanadium	0.000018	0.000033	µg/m ³	V0
Chromium	0.000045	0.001501	µg/m ³	V0
Manganese	0.000028	0.000430	µg/m ³	V0
Iron	0.001585	0.022229	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000497	µg/m ³	V0
Copper	0.000027	0.000300	µg/m ³	V0
Zinc	0.000149	0.006433	µg/m ³	V0
Arsenic	0.000005	0.000034	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000041	µg/m ³	V0
Strontium	0.000012	0.000108	µg/m ³	V0
Niobium	0.000006	0.000292	µg/m ³	V0
Molybdenum	0.000025	0.000077	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000188	µg/m ³	V0
Antimony	0.000016	0.000038	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001113	µg/m ³	V0
Tungsten	0.000005	0.000143	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000079	µg/m ³	V0
Bismuth	0.000004	0.000107	µg/m ³	V4
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220904606
Start Date:	2022-09-26 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-09-27 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.6	°C	
Pressure		741.2	mmHg	
Particulate Matter	0.042	5.000	µg/m ³	V0
Lithium	0.000016	0.000071	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.019403	µg/m ³	V0
Magnesium	0.000279	0.050795	µg/m ³	V0
Aluminum	0.002800	0.051603	µg/m ³	V0
Silicon	0.010200	0.076548	µg/m ³	V0
Phosphorus	0.003480	0.023194	µg/m ³	V0
Potassium	0.000402	0.070170	µg/m ³	V0
Calcium	0.013042	0.021886	µg/m ³	V0
Titanium	0.000031	0.001648	µg/m ³	V0
Vanadium	0.000018	0.000192	µg/m ³	V0
Chromium	0.000045	0.000416	µg/m ³	V0
Manganese	0.000028	0.000309	µg/m ³	V0
Iron	0.001585	0.011415	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000132	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.003222	µg/m ³	V0
Arsenic	0.000005	0.000011	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000050	µg/m ³	V0
Strontium	0.000012	0.000086	µg/m ³	V0
Niobium	0.000006	0.000629	µg/m ³	V0
Molybdenum	0.000025	0.000079	µg/m ³	V0
Palladium	0.000050	0.000070	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000154	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000081	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002206	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000045	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220904698
Start Date:	2022-09-27 12:00	End Date:	2022-09-28 12:01	Duration: 24.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.024688	µg/m ³	V0
Calcium	0.013042	0.013431	µg/m ³	V0
Titanium	0.000031	0.000438	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000513	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.003459	µg/m ³	V0
Cobalt	0.000005	0.000009	µg/m ³	V0
Nickel	0.000015	0.000104	µg/m ³	V0
Copper	0.000027	0.000154	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000051	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000005	µg/m ³	V0
Strontium	0.000012	0.000013	µg/m ³	V0
Niobium	0.000006	0.000246	µg/m ³	V0
Molybdenum	0.000025	0.000037	µg/m ³	V0
Palladium	0.000050	0.000065	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000126	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001343	µg/m ³	V0
Tungsten	0.000005	0.000127	µg/m ³	V0
Platinum	0.000004	0.000044	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Fort Chipewyan	Loc ID:	FTCH
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00
		Set Index:	1
		WBEA ID:	220904690
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.0	°C	
Pressure		736.4	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Lithium	0.000016	0.000034	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007065	µg/m ³	V0
Magnesium	0.000279	0.008224	µg/m ³	V0
Aluminum	0.002800	0.018700	µg/m ³	V0
Silicon	0.010200	0.078168	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.032925	µg/m ³	V0
Calcium	0.013042	0.029302	µg/m ³	V0
Titanium	0.000031	0.002165	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000672	µg/m ³	V0
Manganese	0.000028	0.000487	µg/m ³	V0
Iron	0.001585	0.017052	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000301	µg/m ³	V0
Copper	0.000027	0.000238	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000027	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000045	µg/m ³	V0
Strontium	0.000012	0.000087	µg/m ³	V0
Niobium	0.000006	0.000422	µg/m ³	V0
Molybdenum	0.000025	0.000037	µg/m ³	V0
Palladium	0.000050	0.000085	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000161	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002091	µg/m ³	V0
Tungsten	0.000005	0.000121	µg/m ³	V0
Platinum	0.000004	0.000004	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000056	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904702
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.4	°C	
Pressure		710.5	mmHg	
Particulate Matter	0.042	5.875	µg/m ³	V0
Lithium	0.000016	0.000095	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009936	µg/m ³	V0
Magnesium	0.000279	0.026877	µg/m ³	V0
Aluminum	0.002800	0.048397	µg/m ³	V0
Silicon	0.010200	0.186829	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.047942	µg/m ³	V0
Calcium	0.013042	0.110232	µg/m ³	V0
Titanium	0.000031	0.002160	µg/m ³	V0
Vanadium	0.000018	0.000043	µg/m ³	V0
Chromium	0.000045	0.000763	µg/m ³	V0
Manganese	0.000028	0.001456	µg/m ³	V0
Iron	0.001585	0.052722	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000147	µg/m ³	V0
Copper	0.000027	0.000192	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000103	µg/m ³	V0
Strontium	0.000012	0.000297	µg/m ³	V0
Niobium	0.000006	0.000411	µg/m ³	V0
Molybdenum	0.000025	0.000064	µg/m ³	V0
Palladium	0.000050	0.000193	µg/m ³	V0
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000464	µg/m ³	V0
Antimony	0.000016	0.000065	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000175	µg/m ³	V0
Lanthanum	0.000004	0.000053	µg/m ³	V0
Cerium	0.000013	0.000067	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000026	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002247	µg/m ³	V0
Tungsten	0.000005	0.000216	µg/m ³	V0
Platinum	0.000004	0.000095	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000084	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904709
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.9	°C	
Pressure		717.8	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Lithium	0.000016	0.000044	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001928	µg/m ³	V0
Magnesium	0.000279	0.005059	µg/m ³	V0
Aluminum	0.002800	0.011796	µg/m ³	V0
Silicon	0.010200	0.136196	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.021102	µg/m ³	V0
Calcium	0.013042	0.021723	µg/m ³	V0
Titanium	0.000031	0.000570	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000504	µg/m ³	V0
Manganese	0.000028	0.000344	µg/m ³	V0
Iron	0.001585	0.011528	µg/m ³	V0
Cobalt	0.000005	0.000012	µg/m ³	V0
Nickel	0.000015	0.000055	µg/m ³	V0
Copper	0.000027	0.000093	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000101	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000021	µg/m ³	V0
Strontium	0.000012	0.000050	µg/m ³	V0
Niobium	0.000006	0.000296	µg/m ³	V0
Molybdenum	0.000025	0.000031	µg/m ³	V0
Palladium	0.000050	0.000095	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000099	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000013	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001563	µg/m ³	V0
Tungsten	0.000005	0.000158	µg/m ³	V0
Platinum	0.000004	0.000070	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000018	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904721
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.4	°C	
Pressure		726.9	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Lithium	0.000016	0.000050	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.069320	µg/m ³	V0
Magnesium	0.000279	0.013738	µg/m ³	V0
Aluminum	0.002800	0.035148	µg/m ³	V0
Silicon	0.010200	0.119889	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.043946	µg/m ³	V0
Calcium	0.013042	0.054457	µg/m ³	V0
Titanium	0.000031	0.001224	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000411	µg/m ³	V0
Manganese	0.000028	0.000784	µg/m ³	V0
Iron	0.001585	0.024821	µg/m ³	V0
Cobalt	0.000005	0.000046	µg/m ³	V0
Nickel	0.000015	0.000124	µg/m ³	V0
Copper	0.000027	0.000292	µg/m ³	V0
Zinc	0.000149	0.000375	µg/m ³	V0
Arsenic	0.000005	0.000044	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000072	µg/m ³	V0
Strontium	0.000012	0.000166	µg/m ³	V0
Niobium	0.000006	0.000599	µg/m ³	V0
Molybdenum	0.000025	0.000063	µg/m ³	V0
Palladium	0.000050	0.000108	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000162	µg/m ³	V0
Antimony	0.000016	0.000084	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000039	µg/m ³	V0
Cerium	0.000013	0.000034	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000016	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002744	µg/m ³	V0
Tungsten	0.000005	0.000141	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000116	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904732
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.4	°C	
Pressure		716.1	mmHg	
Particulate Matter	0.042	4.792	µg/m ³	V0
Lithium	0.000016	0.000097	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018880	µg/m ³	V0
Magnesium	0.000279	0.025511	µg/m ³	V0
Aluminum	0.002800	0.072045	µg/m ³	V0
Silicon	0.010200	0.171768	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.054478	µg/m ³	V0
Calcium	0.013042	0.071988	µg/m ³	V0
Titanium	0.000031	0.002693	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000391	µg/m ³	V0
Manganese	0.000028	0.001465	µg/m ³	V0
Iron	0.001585	0.042605	µg/m ³	V0
Cobalt	0.000005	0.000047	µg/m ³	V0
Nickel	0.000015	0.000181	µg/m ³	V0
Copper	0.000027	0.000312	µg/m ³	V0
Zinc	0.000149	0.000459	µg/m ³	V0
Arsenic	0.000005	0.000224	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000128	µg/m ³	V0
Strontium	0.000012	0.000282	µg/m ³	V0
Niobium	0.000006	0.000925	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	0.000128	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000171	µg/m ³	V0
Antimony	0.000016	0.000140	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000401	µg/m ³	V0
Lanthanum	0.000004	0.000078	µg/m ³	V0
Cerium	0.000013	0.000073	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000032	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.004160	µg/m ³	V0
Tungsten	0.000005	0.000191	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000231	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904745
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.1	°C	
Pressure		736.7	mmHg	
Particulate Matter	0.042	4.333	µg/m ³	V0
Lithium	0.000016	0.000061	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011505	µg/m ³	V0
Magnesium	0.000279	0.012894	µg/m ³	V0
Aluminum	0.002800	0.032785	µg/m ³	V0
Silicon	0.010200	0.109588	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.067164	µg/m ³	V0
Calcium	0.013042	0.048104	µg/m ³	V0
Titanium	0.000031	0.001487	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000486	µg/m ³	V0
Manganese	0.000028	0.000909	µg/m ³	V0
Iron	0.001585	0.026910	µg/m ³	V0
Cobalt	0.000005	0.000083	µg/m ³	V0
Nickel	0.000015	0.000385	µg/m ³	V0
Copper	0.000027	0.000378	µg/m ³	V0
Zinc	0.000149	0.000391	µg/m ³	V0
Arsenic	0.000005	0.000119	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000063	µg/m ³	V0
Strontium	0.000012	0.000158	µg/m ³	V0
Niobium	0.000006	0.000768	µg/m ³	V0
Molybdenum	0.000025	0.000082	µg/m ³	V0
Palladium	0.000050	0.000128	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000227	µg/m ³	V0
Antimony	0.000016	0.000139	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000692	µg/m ³	V0
Lanthanum	0.000004	0.000025	µg/m ³	V0
Cerium	0.000013	0.000036	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.003120	µg/m ³	V0
Tungsten	0.000005	0.000204	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000147	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00
		Set Index:	1
		WBEA ID:	220904751
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.4	°C	
Pressure		734.1	mmHg	
Particulate Matter	0.042	5.375	µg/m ³	V0
Lithium	0.000016	0.000082	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016059	µg/m ³	V0
Magnesium	0.000279	0.009055	µg/m ³	V0
Aluminum	0.002800	0.060873	µg/m ³	V0
Silicon	0.010200	0.127870	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.049179	µg/m ³	V0
Calcium	0.013042	0.035292	µg/m ³	V0
Titanium	0.000031	0.001760	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000353	µg/m ³	V0
Manganese	0.000028	0.000674	µg/m ³	V0
Iron	0.001585	0.028626	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000101	µg/m ³	V0
Copper	0.000027	0.003905	µg/m ³	V0
Zinc	0.000149	0.002020	µg/m ³	V0
Arsenic	0.000005	0.000061	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000091	µg/m ³	V0
Strontium	0.000012	0.000146	µg/m ³	V0
Niobium	0.000006	0.002165	µg/m ³	V0
Molybdenum	0.000025	0.000098	µg/m ³	V0
Palladium	0.000050	0.000175	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000184	µg/m ³	V0
Antimony	0.000016	0.000188	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	0.000034	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.009650	µg/m ³	V0
Tungsten	0.000005	0.000282	µg/m ³	V0
Platinum	0.000004	0.000036	µg/m ³	V0
Thallium	0.000005	0.000035	µg/m ³	V0
Lead	0.000018	0.000484	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000022	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 221004815
Start Date:	2022-10-04 14:35	End Date:	2022-10-04 14:36	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000085	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001155	µg/m ³	V0
Magnesium	0.000279	0.003086	µg/m ³	V0
Aluminum	0.002800	0.027084	µg/m ³	V0
Silicon	0.010200	0.043865	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.026224	µg/m ³	V0
Calcium	0.013042	0.061076	µg/m ³	V0
Titanium	0.000031	0.001202	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001003	µg/m ³	V0
Manganese	0.000028	0.000195	µg/m ³	V0
Iron	0.001585	0.013417	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000228	µg/m ³	V0
Copper	0.000027	0.000160	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000044	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000020	µg/m ³	V0
Strontium	0.000012	0.000348	µg/m ³	V0
Niobium	0.000006	0.000807	µg/m ³	V0
Molybdenum	0.000025	0.000137	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000100	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000297	µg/m ³	V0
Antimony	0.000016	0.000068	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002613	µg/m ³	V0
Tungsten	0.000005	0.000450	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004782
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.4	°C	
Pressure		719.5	mmHg	
Particulate Matter	0.042	14.250	µg/m ³	V0
Lithium	0.000016	0.000053	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004549	µg/m ³	V0
Magnesium	0.000279	0.006736	µg/m ³	V0
Aluminum	0.002800	0.024839	µg/m ³	V0
Silicon	0.010200	0.118436	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.041381	µg/m ³	V0
Calcium	0.013042	0.030433	µg/m ³	V0
Titanium	0.000031	0.000920	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000385	µg/m ³	V0
Manganese	0.000028	0.000281	µg/m ³	V0
Iron	0.001585	0.014732	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000151	µg/m ³	V0
Copper	0.000027	0.000272	µg/m ³	V0
Zinc	0.000149	0.000472	µg/m ³	V0
Arsenic	0.000005	0.000050	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000062	µg/m ³	V0
Strontium	0.000012	0.000092	µg/m ³	V0
Niobium	0.000006	0.000529	µg/m ³	V0
Molybdenum	0.000025	0.000035	µg/m ³	V0
Palladium	0.000050	0.000096	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000075	µg/m ³	V0
Tin	0.000008	0.000216	µg/m ³	V0
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002436	µg/m ³	V0
Tungsten	0.000005	0.000141	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000160	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00
		Set Index:	1
		WBEA ID:	221004789
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.1	°C	
Pressure		740.5	mmHg	
Particulate Matter	0.042	13.917	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013388	µg/m ³	V0
Magnesium	0.000279	0.012964	µg/m ³	V0
Aluminum	0.002800	0.044081	µg/m ³	V0
Silicon	0.010200	0.114287	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.067695	µg/m ³	V0
Calcium	0.013042	0.048387	µg/m ³	V0
Titanium	0.000031	0.003198	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000854	µg/m ³	V0
Manganese	0.000028	0.000900	µg/m ³	V0
Iron	0.001585	0.052286	µg/m ³	V0
Cobalt	0.000005	0.000046	µg/m ³	V0
Nickel	0.000015	0.000378	µg/m ³	V0
Copper	0.000027	0.001648	µg/m ³	V0
Zinc	0.000149	0.003724	µg/m ³	V0
Arsenic	0.000005	0.001125	µg/m ³	V4
Selenium	0.000133	0.000179	µg/m ³	V0
Rubidium	0.000003	0.000122	µg/m ³	V0
Strontium	0.000012	0.000258	µg/m ³	V0
Niobium	0.000006	0.000458	µg/m ³	V0
Molybdenum	0.000025	0.000184	µg/m ³	V0
Palladium	0.000050	0.000128	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000141	µg/m ³	V0
Tin	0.000008	0.000654	µg/m ³	V0
Antimony	0.000016	0.000598	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.002967	µg/m ³	V0
Lanthanum	0.000004	0.000031	µg/m ³	V0
Cerium	0.000013	0.000071	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002006	µg/m ³	V0
Tungsten	0.000005	0.000153	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000684	µg/m ³	V0
Bismuth	0.000004	0.000022	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004793
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.4	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	14.667	µg/m ³	V0
Lithium	0.000016	0.000096	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010368	µg/m ³	V0
Magnesium	0.000279	0.010116	µg/m ³	V0
Aluminum	0.002800	0.034387	µg/m ³	V0
Silicon	0.010200	0.077139	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.071241	µg/m ³	V0
Calcium	0.013042	0.034720	µg/m ³	V0
Titanium	0.000031	0.002067	µg/m ³	V0
Vanadium	0.000018	0.000039	µg/m ³	V0
Chromium	0.000045	0.000563	µg/m ³	V0
Manganese	0.000028	0.000666	µg/m ³	V0
Iron	0.001585	0.031241	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000241	µg/m ³	V0
Copper	0.000027	0.000543	µg/m ³	V0
Zinc	0.000149	0.002437	µg/m ³	V0
Arsenic	0.000005	0.000141	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000121	µg/m ³	V0
Strontium	0.000012	0.000174	µg/m ³	V0
Niobium	0.000006	0.000296	µg/m ³	V0
Molybdenum	0.000025	0.000097	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000142	µg/m ³	V0
Tin	0.000008	0.000346	µg/m ³	V0
Antimony	0.000016	0.000180	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001019	µg/m ³	V0
Lanthanum	0.000004	0.000031	µg/m ³	V0
Cerium	0.000013	0.000098	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001216	µg/m ³	V0
Tungsten	0.000005	0.000147	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000309	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004807
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

Very elevated PM2.5 concentration throughout the day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.2	°C	
Pressure		713.5	mmHg	
Particulate Matter	0.042	18.792	µg/m ³	V0
Lithium	0.000016	0.000414	µg/m ³	V4
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.049789	µg/m ³	V0
Magnesium	0.000279	0.126796	µg/m ³	V0
Aluminum	0.002800	0.271957	µg/m ³	V4
Silicon	0.010200	0.448473	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.135069	µg/m ³	V0
Calcium	0.013042	0.881458	µg/m ³	V4
Titanium	0.000031	0.014914	µg/m ³	V0
Vanadium	0.000018	0.000965	µg/m ³	V0
Chromium	0.000045	0.000957	µg/m ³	V0
Manganese	0.000028	0.009071	µg/m ³	V4
Iron	0.001585	0.429507	µg/m ³	V4
Cobalt	0.000005	0.000228	µg/m ³	V4
Nickel	0.000015	0.000448	µg/m ³	V0
Copper	0.000027	0.000564	µg/m ³	V0
Zinc	0.000149	0.002071	µg/m ³	V0
Arsenic	0.000005	0.000228	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000564	µg/m ³	V0
Strontium	0.000012	0.002437	µg/m ³	V4
Niobium	0.000006	0.000494	µg/m ³	V0
Molybdenum	0.000025	0.000126	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	0.000043	µg/m ³	V0
Cadmium	0.000011	0.000139	µg/m ³	V0
Tin	0.000008	0.000307	µg/m ³	V0
Antimony	0.000016	0.000154	µg/m ³	V0
Cesium	0.000004	0.000025	µg/m ³	V0
Barium	0.000054	0.004614	µg/m ³	V0
Lanthanum	0.000004	0.000241	µg/m ³	V4
Cerium	0.000013	0.000522	µg/m ³	V4
Praseodymium	0.000002	0.000059	µg/m ³	V4
Neodymium	0.000005	0.000226	µg/m ³	V4
Samarium	0.000006	0.000042	µg/m ³	V0
Tantalum	0.000003	0.001525	µg/m ³	V0
Tungsten	0.000005	0.000269	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000383	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000061	µg/m ³	V0
Uranium	0.000003	0.000017	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004817
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.5	°C	
Pressure		720.9	mmHg	
Particulate Matter	0.042	6.875	µg/m ³	V0
Lithium	0.000016	0.000082	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005594	µg/m ³	V0
Magnesium	0.000279	0.009617	µg/m ³	V0
Aluminum	0.002800	0.029043	µg/m ³	V0
Silicon	0.010200	0.041762	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.044747	µg/m ³	V0
Calcium	0.013042	0.035364	µg/m ³	V0
Titanium	0.000031	0.001579	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000783	µg/m ³	V0
Manganese	0.000028	0.000443	µg/m ³	V0
Iron	0.001585	0.024562	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000296	µg/m ³	V0
Copper	0.000027	0.000300	µg/m ³	V0
Zinc	0.000149	0.000496	µg/m ³	V0
Arsenic	0.000005	0.000151	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000073	µg/m ³	V0
Strontium	0.000012	0.000129	µg/m ³	V0
Niobium	0.000006	0.000300	µg/m ³	V0
Molybdenum	0.000025	0.000068	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000072	µg/m ³	V0
Tin	0.000008	0.000475	µg/m ³	V0
Antimony	0.000016	0.000243	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000039	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001152	µg/m ³	V0
Tungsten	0.000005	0.000157	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000242	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221004824
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		741.8	mmHg	
Particulate Matter	0.042	9.042	µg/m ³	V0
Lithium	0.000016	0.000077	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006304	µg/m ³	V0
Magnesium	0.000279	0.005150	µg/m ³	V0
Aluminum	0.002800	0.014558	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.043855	µg/m ³	V0
Calcium	0.013042	0.023967	µg/m ³	V0
Titanium	0.000031	0.000905	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000810	µg/m ³	V0
Manganese	0.000028	0.000300	µg/m ³	V0
Iron	0.001585	0.011897	µg/m ³	V0
Cobalt	0.000005	0.000090	µg/m ³	V0
Nickel	0.000015	0.000254	µg/m ³	V0
Copper	0.000027	0.000796	µg/m ³	V0
Zinc	0.000149	0.000159	µg/m ³	V0
Arsenic	0.000005	0.000352	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000132	µg/m ³	V0
Strontium	0.000012	0.000340	µg/m ³	V0
Niobium	0.000006	0.000252	µg/m ³	V0
Molybdenum	0.000025	0.000093	µg/m ³	V0
Palladium	0.000050	0.000089	µg/m ³	V0
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	0.000084	µg/m ³	V0
Tin	0.000008	0.000215	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000030	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000046	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000028	µg/m ³	V0
Samarium	0.000006	0.000023	µg/m ³	V0
Tantalum	0.000003	0.001046	µg/m ³	V0
Tungsten	0.000005	0.000106	µg/m ³	V0
Platinum	0.000004	0.000048	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000128	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004864
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

Elevated PM throughout the day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.3	°C	
Pressure		738.0	mmHg	
Particulate Matter	0.042	21.583	µg/m ³	V0
Lithium	0.000016	0.000184	µg/m ³	V0
Beryllium	0.000013	0.000013	µg/m ³	V0
Sodium	0.000777	0.023958	µg/m ³	V0
Magnesium	0.000279	0.031655	µg/m ³	V0
Aluminum	0.002800	0.126455	µg/m ³	V0
Silicon	0.010200	0.383430	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.090150	µg/m ³	V0
Calcium	0.013042	0.123444	µg/m ³	V0
Titanium	0.000031	0.004727	µg/m ³	V0
Vanadium	0.000018	0.001785	µg/m ³	V0
Chromium	0.000045	0.000563	µg/m ³	V0
Manganese	0.000028	0.002499	µg/m ³	V0
Iron	0.001585	0.114360	µg/m ³	V0
Cobalt	0.000005	0.000077	µg/m ³	V0
Nickel	0.000015	0.000391	µg/m ³	V0
Copper	0.000027	0.004402	µg/m ³	V4
Zinc	0.000149	0.011199	µg/m ³	V0
Arsenic	0.000005	0.000742	µg/m ³	V4
Selenium	0.000133	0.000262	µg/m ³	V0
Rubidium	0.000003	0.000253	µg/m ³	V0
Strontium	0.000012	0.000462	µg/m ³	V0
Niobium	0.000006	0.003968	µg/m ³	V0
Molybdenum	0.000025	0.000348	µg/m ³	V0
Palladium	0.000050	0.000090	µg/m ³	V0
Silver	0.000006	0.000073	µg/m ³	V0
Cadmium	0.000011	0.000154	µg/m ³	V0
Tin	0.000008	0.000425	µg/m ³	V0
Antimony	0.000016	0.000209	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.000621	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000039	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000020	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.030565	µg/m ³	V0
Tungsten	0.000005	0.001095	µg/m ³	V0
Platinum	0.000004	0.000147	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000491	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 221004942
Start Date:	2022-10-13 13:05	End Date:	2022-10-13 13:06	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000061	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001022	µg/m ³	V0
Magnesium	0.000279	0.001621	µg/m ³	V0
Aluminum	0.002800	0.003502	µg/m ³	V0
Silicon	0.010200	0.184715	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.026109	µg/m ³	V0
Calcium	0.013042	0.017388	µg/m ³	V0
Titanium	0.000031	0.000301	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000949	µg/m ³	V0
Manganese	0.000028	0.000386	µg/m ³	V0
Iron	0.001585	0.005563	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000332	µg/m ³	V0
Copper	0.000027	0.001335	µg/m ³	V0
Zinc	0.000149	0.002562	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000010	µg/m ³	V0
Strontium	0.000012	0.000025	µg/m ³	V0
Niobium	0.000006	0.002063	µg/m ³	V0
Molybdenum	0.000025	0.000086	µg/m ³	V0
Palladium	0.000050	0.000230	µg/m ³	V0
Silver	0.000006	0.000041	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000213	µg/m ³	V0
Antimony	0.000016	0.000118	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.007175	µg/m ³	V0
Tungsten	0.000005	0.000316	µg/m ³	V0
Platinum	0.000004	0.000048	µg/m ³	V0
Thallium	0.000005	0.000057	µg/m ³	V0
Lead	0.000018	0.000071	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000040	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004876
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.0	°C	
Pressure		702.7	mmHg	
Particulate Matter	0.042	7.125	µg/m ³	V0
Lithium	0.000016	0.000071	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002883	µg/m ³	V0
Magnesium	0.000279	0.009158	µg/m ³	V0
Aluminum	0.002800	0.024392	µg/m ³	V0
Silicon	0.010200	0.046716	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.034117	µg/m ³	V0
Calcium	0.013042	0.040881	µg/m ³	V0
Titanium	0.000031	0.000905	µg/m ³	V0
Vanadium	0.000018	0.000231	µg/m ³	V0
Chromium	0.000045	0.000930	µg/m ³	V0
Manganese	0.000028	0.000522	µg/m ³	V0
Iron	0.001585	0.024539	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000363	µg/m ³	V0
Copper	0.000027	0.000195	µg/m ³	V0
Zinc	0.000149	0.000494	µg/m ³	V0
Arsenic	0.000005	0.000104	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000049	µg/m ³	V0
Strontium	0.000012	0.000119	µg/m ³	V0
Niobium	0.000006	0.000145	µg/m ³	V0
Molybdenum	0.000025	0.000096	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000151	µg/m ³	V0
Antimony	0.000016	0.000109	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000691	µg/m ³	V0
Tungsten	0.000005	0.000090	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000050	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004882
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.2	°C	
Pressure		715.1	mmHg	
Particulate Matter	0.042	5.458	µg/m ³	V0
Lithium	0.000016	0.000067	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003057	µg/m ³	V0
Magnesium	0.000279	0.005648	µg/m ³	V0
Aluminum	0.002800	0.025757	µg/m ³	V0
Silicon	0.010200	0.014518	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.022225	µg/m ³	V0
Calcium	0.013042	0.023834	µg/m ³	V0
Titanium	0.000031	0.000896	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000494	µg/m ³	V0
Manganese	0.000028	0.000306	µg/m ³	V0
Iron	0.001585	0.012347	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000212	µg/m ³	V0
Copper	0.000027	0.000216	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000076	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000028	µg/m ³	V0
Strontium	0.000012	0.000090	µg/m ³	V0
Niobium	0.000006	0.000089	µg/m ³	V0
Molybdenum	0.000025	0.000047	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000120	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000408	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000026	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004889
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.9	°C	
Pressure		714.5	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Lithium	0.000016	0.000067	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007823	µg/m ³	V0
Magnesium	0.000279	0.005345	µg/m ³	V0
Aluminum	0.002800	0.020332	µg/m ³	V0
Silicon	0.010200	0.034022	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.023148	µg/m ³	V0
Calcium	0.013042	0.031240	µg/m ³	V0
Titanium	0.000031	0.000931	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000685	µg/m ³	V0
Manganese	0.000028	0.000359	µg/m ³	V0
Iron	0.001585	0.015117	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000264	µg/m ³	V0
Copper	0.000027	0.000134	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000156	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000035	µg/m ³	V0
Strontium	0.000012	0.000084	µg/m ³	V0
Niobium	0.000006	0.001096	µg/m ³	V0
Molybdenum	0.000025	0.000815	µg/m ³	V4
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000575	µg/m ³	V4
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000258	µg/m ³	V0
Antimony	0.000016	0.000326	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000048	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.010335	µg/m ³	V0
Tungsten	0.000005	0.005628	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000044	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221004894
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

Power outage resulted in short sampling duration and low sample volume

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.8	m ³	V6
Temperature		4.4	°C	
Pressure		738.0	mmHg	
Particulate Matter	0.042	2.731	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012722	µg/m ³	V0
Magnesium	0.000279	0.008187	µg/m ³	V0
Aluminum	0.002800	0.029841	µg/m ³	V0
Silicon	0.010200	0.056153	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.025246	µg/m ³	V0
Calcium	0.013042	0.031498	µg/m ³	V0
Titanium	0.000031	0.001243	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000834	µg/m ³	V0
Manganese	0.000028	0.000407	µg/m ³	V0
Iron	0.001585	0.018362	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000395	µg/m ³	V0
Copper	0.000027	0.000268	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000034	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000047	µg/m ³	V0
Strontium	0.000012	0.000129	µg/m ³	V0
Niobium	0.000006	0.000635	µg/m ³	V0
Molybdenum	0.000025	0.000089	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000029	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000136	µg/m ³	V0
Antimony	0.000016	0.000065	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000040	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002322	µg/m ³	V0
Tungsten	0.000005	0.000196	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000038	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221004907
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.5	°C	
Pressure		736.0	mmHg	
Particulate Matter	0.042	5.833	µg/m ³	V0
Lithium	0.000016	0.000208	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032322	µg/m ³	V0
Magnesium	0.000279	0.061101	µg/m ³	V0
Aluminum	0.002800	0.146737	µg/m ³	V0
Silicon	0.010200	0.665120	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.070935	µg/m ³	V0
Calcium	0.013042	0.175536	µg/m ³	V0
Titanium	0.000031	0.007744	µg/m ³	V0
Vanadium	0.000018	0.000557	µg/m ³	V0
Chromium	0.000045	0.000740	µg/m ³	V0
Manganese	0.000028	0.003148	µg/m ³	V0
Iron	0.001585	0.111153	µg/m ³	V0
Cobalt	0.000005	0.000100	µg/m ³	V0
Nickel	0.000015	0.000352	µg/m ³	V0
Copper	0.000027	0.000407	µg/m ³	V0
Zinc	0.000149	0.002866	µg/m ³	V0
Arsenic	0.000005	0.000128	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000276	µg/m ³	V0
Strontium	0.000012	0.000809	µg/m ³	V0
Niobium	0.000006	0.000239	µg/m ³	V0
Molybdenum	0.000025	0.000103	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000034	µg/m ³	V0
Tin	0.000008	0.000146	µg/m ³	V0
Antimony	0.000016	0.000064	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.002207	µg/m ³	V0
Lanthanum	0.000004	0.000108	µg/m ³	V0
Cerium	0.000013	0.000228	µg/m ³	V4
Praseodymium	0.000002	0.000027	µg/m ³	V0
Neodymium	0.000005	0.000099	µg/m ³	V4
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000887	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000110	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000022	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004919
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.9	°C	
Pressure		725.9	mmHg	
Particulate Matter	0.042	0.167	µg/m ³	V0
Lithium	0.000016	0.000517	µg/m ³	V4
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.051215	µg/m ³	V0
Magnesium	0.000279	0.098209	µg/m ³	V0
Aluminum	0.002800	0.321442	µg/m ³	V4
Silicon	0.010200	0.959444	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.104985	µg/m ³	V0
Calcium	0.013042	0.447964	µg/m ³	V0
Titanium	0.000031	0.015201	µg/m ³	V0
Vanadium	0.000018	0.001277	µg/m ³	V0
Chromium	0.000045	0.000788	µg/m ³	V0
Manganese	0.000028	0.005230	µg/m ³	V4
Iron	0.001585	0.276029	µg/m ³	V4
Cobalt	0.000005	0.000189	µg/m ³	V4
Nickel	0.000015	0.000359	µg/m ³	V0
Copper	0.000027	0.002059	µg/m ³	V0
Zinc	0.000149	0.001438	µg/m ³	V0
Arsenic	0.000005	0.000176	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000586	µg/m ³	V0
Strontium	0.000012	0.001677	µg/m ³	V0
Niobium	0.000006	0.000240	µg/m ³	V0
Molybdenum	0.000025	0.000204	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000203	µg/m ³	V0
Antimony	0.000016	0.000094	µg/m ³	V0
Cesium	0.000004	0.000029	µg/m ³	V0
Barium	0.000054	0.002894	µg/m ³	V0
Lanthanum	0.000004	0.000201	µg/m ³	V4
Cerium	0.000013	0.000434	µg/m ³	V4
Praseodymium	0.000002	0.000051	µg/m ³	V4
Neodymium	0.000005	0.000199	µg/m ³	V4
Samarium	0.000006	0.000036	µg/m ³	V0
Tantalum	0.000003	0.000922	µg/m ³	V0
Tungsten	0.000005	0.000131	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000180	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000050	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004946	
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		734.0	mmHg	
Particulate Matter	0.042	6.625	µg/m ³	V0
Lithium	0.000016	0.000126	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012040	µg/m ³	V0
Magnesium	0.000279	0.015014	µg/m ³	V0
Aluminum	0.002800	0.082441	µg/m ³	V0
Silicon	0.010200	0.178147	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.051023	µg/m ³	V0
Calcium	0.013042	0.075078	µg/m ³	V0
Titanium	0.000031	0.003508	µg/m ³	V0
Vanadium	0.000018	0.000798	µg/m ³	V0
Chromium	0.000045	0.000979	µg/m ³	V0
Manganese	0.000028	0.001220	µg/m ³	V0
Iron	0.001585	0.053331	µg/m ³	V0
Cobalt	0.000005	0.000047	µg/m ³	V0
Nickel	0.000015	0.000332	µg/m ³	V0
Copper	0.000027	0.000453	µg/m ³	V0
Zinc	0.000149	0.001670	µg/m ³	V0
Arsenic	0.000005	0.000178	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000133	µg/m ³	V0
Strontium	0.000012	0.000306	µg/m ³	V0
Niobium	0.000006	0.000633	µg/m ³	V0
Molybdenum	0.000025	0.000209	µg/m ³	V0
Palladium	0.000050	0.000154	µg/m ³	V0
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000289	µg/m ³	V0
Antimony	0.000016	0.000190	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000153	µg/m ³	V0
Lanthanum	0.000004	0.000037	µg/m ³	V0
Cerium	0.000013	0.000078	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000035	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.007149	µg/m ³	V0
Tungsten	0.000005	0.000375	µg/m ³	V0
Platinum	0.000004	0.000197	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000092	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 221004955
Start Date:	2022-10-17 10:00	End Date:	2022-10-17 10:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Lithium	0.000016	0.000058	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.000384	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.017631	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000548	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000815	µg/m ³	V0
Manganese	0.000028	0.000060	µg/m ³	V0
Iron	0.001585	0.004754	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000206	µg/m ³	V0
Copper	0.000027	0.000120	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000013	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000019	µg/m ³	V0
Niobium	0.000006	0.000384	µg/m ³	V0
Molybdenum	0.000025	0.000234	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000203	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000202	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001453	µg/m ³	V0
Tungsten	0.000005	0.000514	µg/m ³	V0
Platinum	0.000004	0.000004	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004961
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.8	°C	
Pressure		717.7	mmHg	
Particulate Matter	0.042	4.833	µg/m ³	V0
Lithium	0.000016	0.000053	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006954	µg/m ³	V0
Magnesium	0.000279	0.003492	µg/m ³	V0
Aluminum	0.002800	0.008413	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.022841	µg/m ³	V0
Calcium	0.013042	0.021657	µg/m ³	V0
Titanium	0.000031	0.000517	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000260	µg/m ³	V0
Manganese	0.000028	0.000264	µg/m ³	V0
Iron	0.001585	0.009501	µg/m ³	V0
Cobalt	0.000005	0.000013	µg/m ³	V0
Nickel	0.000015	0.000075	µg/m ³	V0
Copper	0.000027	0.000077	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000048	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000022	µg/m ³	V0
Strontium	0.000012	0.000056	µg/m ³	V0
Niobium	0.000006	0.000169	µg/m ³	V0
Molybdenum	0.000025	0.000068	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000032	µg/m ³	V0
Cadmium	0.000011	0.000031	µg/m ³	V0
Tin	0.000008	0.000174	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000681	µg/m ³	V0
Tungsten	0.000005	0.000159	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000019	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004985	
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.7	°C	
Pressure		724.7	mmHg	
Particulate Matter	0.042	3.417	µg/m ³	V0
Lithium	0.000016	0.000084	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.020893	µg/m ³	V0
Magnesium	0.000279	0.007731	µg/m ³	V0
Aluminum	0.002800	0.025346	µg/m ³	V0
Silicon	0.010200	0.038753	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.048581	µg/m ³	V0
Calcium	0.013042	0.034773	µg/m ³	V0
Titanium	0.000031	0.001036	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000455	µg/m ³	V0
Manganese	0.000028	0.000412	µg/m ³	V0
Iron	0.001585	0.014112	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000229	µg/m ³	V0
Copper	0.000027	0.000201	µg/m ³	V0
Zinc	0.000149	0.000410	µg/m ³	V0
Arsenic	0.000005	0.000038	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000044	µg/m ³	V0
Strontium	0.000012	0.000107	µg/m ³	V0
Niobium	0.000006	0.000238	µg/m ³	V0
Molybdenum	0.000025	0.000121	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000074	µg/m ³	V0
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000328	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000023	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000969	µg/m ³	V0
Tungsten	0.000005	0.000271	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000079	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00
		Set Index:	1
		WBEA ID:	221005002
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		701.6	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Lithium	0.000016	0.000081	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035818	µg/m ³	V0
Magnesium	0.000279	0.011165	µg/m ³	V0
Aluminum	0.002800	0.021869	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.025454	µg/m ³	V0
Calcium	0.013042	0.031876	µg/m ³	V0
Titanium	0.000031	0.000872	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000379	µg/m ³	V0
Manganese	0.000028	0.000399	µg/m ³	V0
Iron	0.001585	0.013505	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000112	µg/m ³	V0
Copper	0.000027	0.000070	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000032	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000046	µg/m ³	V0
Strontium	0.000012	0.000121	µg/m ³	V0
Niobium	0.000006	0.000134	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000044	µg/m ³	V0
Tin	0.000008	0.000200	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000023	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000636	µg/m ³	V0
Tungsten	0.000005	0.000107	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000061	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005008
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.1	°C	
Pressure		708.3	mmHg	
Particulate Matter	0.042	3.667	µg/m ³	V0
Lithium	0.000016	0.000105	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015806	µg/m ³	V0
Magnesium	0.000279	0.005025	µg/m ³	V0
Aluminum	0.002800	0.009689	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.021818	µg/m ³	V0
Calcium	0.013042	0.021183	µg/m ³	V0
Titanium	0.000031	0.000456	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000348	µg/m ³	V0
Manganese	0.000028	0.000214	µg/m ³	V0
Iron	0.001585	0.009512	µg/m ³	V0
Cobalt	0.000005	0.000013	µg/m ³	V0
Nickel	0.000015	0.000115	µg/m ³	V0
Copper	0.000027	0.000180	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000073	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000024	µg/m ³	V0
Strontium	0.000012	0.000055	µg/m ³	V0
Niobium	0.000006	0.000178	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000267	µg/m ³	V0
Antimony	0.000016	0.000018	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000872	µg/m ³	V0
Tungsten	0.000005	0.000112	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000033	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005014
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		707.0	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Lithium	0.000016	0.000055	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010057	µg/m ³	V0
Magnesium	0.000279	0.005025	µg/m ³	V0
Aluminum	0.002800	0.010162	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.020131	µg/m ³	V0
Calcium	0.013042	0.021072	µg/m ³	V0
Titanium	0.000031	0.000565	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000523	µg/m ³	V0
Manganese	0.000028	0.000239	µg/m ³	V0
Iron	0.001585	0.009275	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000159	µg/m ³	V0
Copper	0.000027	0.000079	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000036	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000026	µg/m ³	V0
Strontium	0.000012	0.000063	µg/m ³	V0
Niobium	0.000006	0.000126	µg/m ³	V0
Molybdenum	0.000025	0.000067	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000020	µg/m ³	V0
Cadmium	0.000011	0.000038	µg/m ³	V0
Tin	0.000008	0.000279	µg/m ³	V0
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000513	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000030	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221005019
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		727.2	mmHg	
Particulate Matter	0.042	1.417	µg/m ³	V0
Lithium	0.000016	0.000061	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003006	µg/m ³	V0
Magnesium	0.000279	0.002868	µg/m ³	V0
Aluminum	0.002800	0.008288	µg/m ³	V0
Silicon	0.010200	0.019066	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.030977	µg/m ³	V0
Calcium	0.013042	0.031006	µg/m ³	V0
Titanium	0.000031	0.000747	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000894	µg/m ³	V0
Manganese	0.000028	0.000232	µg/m ³	V0
Iron	0.001585	0.012103	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000236	µg/m ³	V0
Copper	0.000027	0.000102	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000061	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000019	µg/m ³	V0
Strontium	0.000012	0.000061	µg/m ³	V0
Niobium	0.000006	0.002409	µg/m ³	V0
Molybdenum	0.000025	0.000458	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000357	µg/m ³	V4
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000340	µg/m ³	V0
Antimony	0.000016	0.000287	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.019099	µg/m ³	V0
Tungsten	0.000005	0.004487	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221005035
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		727.3	mmHg	
Particulate Matter	0.042	6.417	µg/m ³	V0
Lithium	0.000016	0.000087	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013632	µg/m ³	V0
Magnesium	0.000279	0.008635	µg/m ³	V0
Aluminum	0.002800	0.025068	µg/m ³	V0
Silicon	0.010200	0.043914	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.032444	µg/m ³	V0
Calcium	0.013042	0.036191	µg/m ³	V0
Titanium	0.000031	0.001096	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000458	µg/m ³	V0
Manganese	0.000028	0.000493	µg/m ³	V0
Iron	0.001585	0.021405	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000156	µg/m ³	V0
Copper	0.000027	0.000216	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000052	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000054	µg/m ³	V0
Strontium	0.000012	0.000131	µg/m ³	V0
Niobium	0.000006	0.000139	µg/m ³	V0
Molybdenum	0.000025	0.000054	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000075	µg/m ³	V0
Tin	0.000008	0.000269	µg/m ³	V0
Antimony	0.000016	0.000072	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000311	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000660	µg/m ³	V0
Tungsten	0.000005	0.000110	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000052	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 221005201
Start Date:	2022-10-24 14:50	End Date:	2022-10-24 14:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000077	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001449	µg/m ³	V0
Magnesium	0.000279	0.000753	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.012227	µg/m ³	V0
Calcium	0.013042	0.013574	µg/m ³	V0
Titanium	0.000031	0.000257	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000188	µg/m ³	V0
Manganese	0.000028	0.000036	µg/m ³	V0
Iron	0.001585	0.002637	µg/m ³	V0
Cobalt	0.000005	0.000006	µg/m ³	V0
Nickel	0.000015	0.000053	µg/m ³	V0
Copper	0.000027	0.000107	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000088	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000007	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000113	µg/m ³	V0
Molybdenum	0.000025	0.000028	µg/m ³	V0
Palladium	0.000050	0.000167	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000215	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000747	µg/m ³	V0
Tungsten	0.000005	0.000154	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000617	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000145	µg/m ³	V0
Thorium	0.000002	0.000101	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005128	
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		724.6	mmHg	
Particulate Matter	0.042	2.667	µg/m ³	V0
Lithium	0.000016	0.000065	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002249	µg/m ³	V0
Magnesium	0.000279	0.001727	µg/m ³	V0
Aluminum	0.002800	0.006629	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.018696	µg/m ³	V0
Calcium	0.013042	0.021844	µg/m ³	V0
Titanium	0.000031	0.000431	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000503	µg/m ³	V0
Manganese	0.000028	0.000204	µg/m ³	V0
Iron	0.001585	0.007821	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000203	µg/m ³	V0
Copper	0.000027	0.000107	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000070	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000022	µg/m ³	V0
Strontium	0.000012	0.000044	µg/m ³	V0
Niobium	0.000006	0.000120	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000200	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000030	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000578	µg/m ³	V0
Tungsten	0.000005	0.000088	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000037	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221005187
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		27.0	°C	
Pressure		727.8	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Lithium	0.000016	0.000046	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001275	µg/m ³	V0
Aluminum	0.002800	0.003656	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.030444	µg/m ³	V0
Calcium	0.013042	0.018427	µg/m ³	V0
Titanium	0.000031	0.000480	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000861	µg/m ³	V0
Manganese	0.000028	0.000191	µg/m ³	V0
Iron	0.001585	0.007428	µg/m ³	V0
Cobalt	0.000005	0.000016	µg/m ³	V0
Nickel	0.000015	0.000135	µg/m ³	V0
Copper	0.000027	0.000110	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000089	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000020	µg/m ³	V0
Strontium	0.000012	0.000043	µg/m ³	V0
Niobium	0.000006	0.000208	µg/m ³	V0
Molybdenum	0.000025	0.000037	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000125	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001128	µg/m ³	V0
Tungsten	0.000005	0.000123	µg/m ³	V0
Platinum	0.000004	0.000035	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221005193
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.4	°C	
Pressure		717.1	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Lithium	0.000016	0.000033	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003962	µg/m ³	V0
Magnesium	0.000279	0.001771	µg/m ³	V0
Aluminum	0.002800	0.003803	µg/m ³	V0
Silicon	0.010200	0.013255	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.033102	µg/m ³	V0
Calcium	0.013042	0.013765	µg/m ³	V0
Titanium	0.000031	0.000514	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000610	µg/m ³	V0
Manganese	0.000028	0.000204	µg/m ³	V0
Iron	0.001585	0.010558	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000274	µg/m ³	V0
Copper	0.000027	0.000260	µg/m ³	V0
Zinc	0.000149	0.000629	µg/m ³	V0
Arsenic	0.000005	0.000031	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000038	µg/m ³	V0
Strontium	0.000012	0.000039	µg/m ³	V0
Niobium	0.000006	0.002971	µg/m ³	V0
Molybdenum	0.000025	0.000313	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000318	µg/m ³	V4
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000285	µg/m ³	V0
Antimony	0.000016	0.000319	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000016	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.030155	µg/m ³	V0
Tungsten	0.000005	0.003968	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000127	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00
		Set Index:	1
		WBEA ID:	221005205
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.5	°C	
Pressure		727.3	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Lithium	0.000016	0.000066	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004575	µg/m ³	V0
Magnesium	0.000279	0.002828	µg/m ³	V0
Aluminum	0.002800	0.005197	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.024362	µg/m ³	V0
Calcium	0.013042	0.022113	µg/m ³	V0
Titanium	0.000031	0.000688	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000503	µg/m ³	V0
Manganese	0.000028	0.000401	µg/m ³	V0
Iron	0.001585	0.014577	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000064	µg/m ³	V0
Copper	0.000027	0.000366	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000063	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000042	µg/m ³	V0
Strontium	0.000012	0.000070	µg/m ³	V0
Niobium	0.000006	0.000112	µg/m ³	V0
Molybdenum	0.000025	0.000069	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000305	µg/m ³	V0
Antimony	0.000016	0.000096	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000363	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000553	µg/m ³	V0
Tungsten	0.000005	0.000105	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000056	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005215
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.0	°C	
Pressure		700.7	mmHg	
Particulate Matter	0.042	3.167	µg/m ³	V0
Lithium	0.000016	0.000059	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002962	µg/m ³	V0
Magnesium	0.000279	0.000673	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.413393	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.028509	µg/m ³	V0
Calcium	0.013042	0.015021	µg/m ³	V0
Titanium	0.000031	0.000273	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001007	µg/m ³	V0
Manganese	0.000028	0.000239	µg/m ³	V0
Iron	0.001585	0.014479	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000252	µg/m ³	V0
Copper	0.000027	0.000397	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000120	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000037	µg/m ³	V0
Strontium	0.000012	0.000041	µg/m ³	V0
Niobium	0.000006	0.004026	µg/m ³	V0
Molybdenum	0.000025	0.000109	µg/m ³	V0
Palladium	0.000050	0.000266	µg/m ³	V0
Silver	0.000006	0.000103	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000175	µg/m ³	V0
Antimony	0.000016	0.000352	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.017122	µg/m ³	V0
Tungsten	0.000005	0.000657	µg/m ³	V0
Platinum	0.000004	0.000048	µg/m ³	V0
Thallium	0.000005	0.000088	µg/m ³	V4
Lead	0.000018	0.000074	µg/m ³	V0
Bismuth	0.000004	0.000030	µg/m ³	V0
Thorium	0.000002	0.000126	µg/m ³	V4
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005222
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.3	°C	
Pressure		708.0	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Lithium	0.000016	0.000048	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001715	µg/m ³	V0
Magnesium	0.000279	0.001404	µg/m ³	V0
Aluminum	0.002800	0.012610	µg/m ³	V0
Silicon	0.010200	0.014000	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.017055	µg/m ³	V0
Calcium	0.013042	0.030313	µg/m ³	V0
Titanium	0.000031	0.000790	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000627	µg/m ³	V0
Manganese	0.000028	0.000119	µg/m ³	V0
Iron	0.001585	0.007803	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000179	µg/m ³	V0
Copper	0.000027	0.000227	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000039	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000020	µg/m ³	V0
Strontium	0.000012	0.000159	µg/m ³	V0
Niobium	0.000006	0.000998	µg/m ³	V0
Molybdenum	0.000025	0.000115	µg/m ³	V0
Palladium	0.000050	0.000055	µg/m ³	V0
Silver	0.000006	0.000075	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000186	µg/m ³	V0
Antimony	0.000016	0.000095	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.003448	µg/m ³	V0
Tungsten	0.000005	0.000345	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000066	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005231
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.9	°C	
Pressure		706.6	mmHg	
Particulate Matter	0.042	1.458	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001982	µg/m ³	V0
Magnesium	0.000279	0.002253	µg/m ³	V0
Aluminum	0.002800	0.007694	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.024793	µg/m ³	V0
Calcium	0.013042	0.024895	µg/m ³	V0
Titanium	0.000031	0.001895	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000936	µg/m ³	V0
Manganese	0.000028	0.000145	µg/m ³	V0
Iron	0.001585	0.011152	µg/m ³	V0
Cobalt	0.000005	0.000015	µg/m ³	V0
Nickel	0.000015	0.000111	µg/m ³	V0
Copper	0.000027	0.000083	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000068	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000019	µg/m ³	V0
Strontium	0.000012	0.000055	µg/m ³	V0
Niobium	0.000006	0.000258	µg/m ³	V0
Molybdenum	0.000025	0.000063	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000184	µg/m ³	V0
Antimony	0.000016	0.000070	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000955	µg/m ³	V0
Tungsten	0.000005	0.000167	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000025	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005248
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.4	°C	
Pressure		713.7	mmHg	
Particulate Matter	0.042	1.208	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004945	µg/m ³	V0
Magnesium	0.000279	0.012416	µg/m ³	V0
Aluminum	0.002800	0.036167	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.022841	µg/m ³	V0
Potassium	0.000402	0.004175	µg/m ³	V0
Calcium	0.013042	0.027623	µg/m ³	V0
Titanium	0.000031	0.001857	µg/m ³	V0
Vanadium	0.000018	0.000255	µg/m ³	V0
Chromium	0.000045	0.000800	µg/m ³	V0
Manganese	0.000028	0.000398	µg/m ³	V0
Iron	0.001585	0.013530	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000356	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000097	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000027	µg/m ³	V0
Strontium	0.000012	0.000073	µg/m ³	V0
Niobium	0.000006	0.000225	µg/m ³	V0
Molybdenum	0.000025	0.000039	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000291	µg/m ³	V0
Antimony	0.000016	0.000063	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000198	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000030	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000975	µg/m ³	V0
Tungsten	0.000005	0.000087	µg/m ³	V0
Platinum	0.000004	0.000033	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000102	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005252
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.2	°C	
Pressure		732.5	mmHg	
Particulate Matter	0.042	2.125	µg/m ³	V0
Lithium	0.000016	0.000069	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004658	µg/m ³	V0
Magnesium	0.000279	0.014860	µg/m ³	V0
Aluminum	0.002800	0.044985	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030114	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.034825	µg/m ³	V0
Titanium	0.000031	0.001410	µg/m ³	V0
Vanadium	0.000018	0.000265	µg/m ³	V0
Chromium	0.000045	0.000854	µg/m ³	V0
Manganese	0.000028	0.000488	µg/m ³	V0
Iron	0.001585	0.023591	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000319	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000956	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000045	µg/m ³	V0
Strontium	0.000012	0.000107	µg/m ³	V0
Niobium	0.000006	0.000231	µg/m ³	V0
Molybdenum	0.000025	0.000126	µg/m ³	V0
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	0.000025	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000323	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000202	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001044	µg/m ³	V0
Tungsten	0.000005	0.000287	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000027	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005270
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.4	°C	
Pressure		705.9	mmHg	
Particulate Matter	0.042	2.125	µg/m ³	V0
Lithium	0.000016	0.000063	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010204	µg/m ³	V0
Magnesium	0.000279	0.020350	µg/m ³	V0
Aluminum	0.002800	0.052368	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.027410	µg/m ³	V0
Potassium	0.000402	0.013741	µg/m ³	V0
Calcium	0.013042	0.030948	µg/m ³	V0
Titanium	0.000031	0.001144	µg/m ³	V0
Vanadium	0.000018	0.000269	µg/m ³	V0
Chromium	0.000045	0.000597	µg/m ³	V0
Manganese	0.000028	0.000227	µg/m ³	V0
Iron	0.001585	0.012323	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000211	µg/m ³	V0
Copper	0.000027	0.000123	µg/m ³	V0
Zinc	0.000149	0.003416	µg/m ³	V0
Arsenic	0.000005	0.000300	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000053	µg/m ³	V0
Strontium	0.000012	0.000100	µg/m ³	V0
Niobium	0.000006	0.000244	µg/m ³	V0
Molybdenum	0.000025	0.000059	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000345	µg/m ³	V0
Antimony	0.000016	0.000463	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000190	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001007	µg/m ³	V0
Tungsten	0.000005	0.000087	µg/m ³	V0
Platinum	0.000004	0.000035	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000102	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005286
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.5	°C	
Pressure		712.9	mmHg	
Particulate Matter	0.042	1.292	µg/m ³	V0
Lithium	0.000016	0.000061	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006060	µg/m ³	V0
Magnesium	0.000279	0.019822	µg/m ³	V0
Aluminum	0.002800	0.039748	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021381	µg/m ³	V0
Potassium	0.000402	0.008784	µg/m ³	V0
Calcium	0.013042	0.027908	µg/m ³	V0
Titanium	0.000031	0.000729	µg/m ³	V0
Vanadium	0.000018	0.000263	µg/m ³	V0
Chromium	0.000045	0.001018	µg/m ³	V0
Manganese	0.000028	0.000198	µg/m ³	V0
Iron	0.001585	0.007938	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000451	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.006331	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.000086	µg/m ³	V0
Niobium	0.000006	0.000281	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000230	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000057	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001167	µg/m ³	V0
Tungsten	0.000005	0.000138	µg/m ³	V0
Platinum	0.000004	0.000038	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000034	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221005299
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.1	°C	
Pressure		723.9	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Lithium	0.000016	0.000063	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006652	µg/m ³	V0
Magnesium	0.000279	0.056195	µg/m ³	V0
Aluminum	0.002800	0.047245	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021483	µg/m ³	V0
Potassium	0.000402	0.021605	µg/m ³	V0
Calcium	0.013042	0.020802	µg/m ³	V0
Titanium	0.000031	0.000918	µg/m ³	V0
Vanadium	0.000018	0.000178	µg/m ³	V0
Chromium	0.000045	0.000753	µg/m ³	V0
Manganese	0.000028	0.000298	µg/m ³	V0
Iron	0.001585	0.014215	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000290	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.005081	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000058	µg/m ³	V0
Strontium	0.000012	0.000078	µg/m ³	V0
Niobium	0.000006	0.000380	µg/m ³	V0
Molybdenum	0.000025	0.000069	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000217	µg/m ³	V0
Antimony	0.000016	0.000095	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000508	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001366	µg/m ³	V0
Tungsten	0.000005	0.000186	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000095	µg/m ³	V0
Bismuth	0.000004	0.000069	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221005307
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.3	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	2.875	µg/m ³	V0
Lithium	0.000016	0.000068	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011871	µg/m ³	V0
Magnesium	0.000279	0.016004	µg/m ³	V0
Aluminum	0.002800	0.037297	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.022326	µg/m ³	V0
Potassium	0.000402	0.016933	µg/m ³	V0
Calcium	0.013042	0.021845	µg/m ³	V0
Titanium	0.000031	0.001138	µg/m ³	V0
Vanadium	0.000018	0.000226	µg/m ³	V0
Chromium	0.000045	0.000698	µg/m ³	V0
Manganese	0.000028	0.000365	µg/m ³	V0
Iron	0.001585	0.018301	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000334	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002531	µg/m ³	V0
Arsenic	0.000005	0.000029	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000045	µg/m ³	V0
Strontium	0.000012	0.000101	µg/m ³	V0
Niobium	0.000006	0.000337	µg/m ³	V0
Molybdenum	0.000025	0.000065	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000040	µg/m ³	V0
Tin	0.000008	0.000211	µg/m ³	V0
Antimony	0.000016	0.000132	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000926	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000026	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001285	µg/m ³	V0
Tungsten	0.000005	0.000173	µg/m ³	V0
Platinum	0.000004	0.000031	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000099	µg/m ³	V0
Bismuth	0.000004	0.000039	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Fort Chipewyan	Loc ID:	FTCH
Start Date:	2022-11-01 15:00	End Date:	2022-11-02 15:00
		Set Index:	1
		WBEA ID:	221005294
		Duration:	24.0 hr

Notes

Sample set for wrong time. Redeployed to run from 15:00 MST on November 1st 2022 to 15:00 MST on November 2nd 2022.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-7.4	°C	
Pressure		742.9	mmHg	
Particulate Matter	0.042	0.667	µg/m ³	V6
Lithium	0.000016	0.000058	µg/m ³	V6
Beryllium	0.000013	0.000004	µg/m ³	V6
Sodium	0.000777	0.009693	µg/m ³	V6
Magnesium	0.000279	0.010250	µg/m ³	V6
Aluminum	0.002800	0.023804	µg/m ³	V6
Silicon	0.010200	0.000000	µg/m ³	V6
Phosphorus	0.003480	0.021211	µg/m ³	V6
Potassium	0.000402	0.004040	µg/m ³	V6
Calcium	0.013042	0.025201	µg/m ³	V6
Titanium	0.000031	0.000682	µg/m ³	V6
Vanadium	0.000018	0.000256	µg/m ³	V6
Chromium	0.000045	0.000267	µg/m ³	V6
Manganese	0.000028	0.000178	µg/m ³	V6
Iron	0.001585	0.011541	µg/m ³	V6
Cobalt	0.000005	0.000019	µg/m ³	V6
Nickel	0.000015	0.000120	µg/m ³	V6
Copper	0.000027	0.000000	µg/m ³	V6
Zinc	0.000149	0.001111	µg/m ³	V6
Arsenic	0.000005	0.000014	µg/m ³	V6
Selenium	0.000133	0.000000	µg/m ³	V6
Rubidium	0.000003	0.000021	µg/m ³	V6
Strontium	0.000012	0.000074	µg/m ³	V6
Niobium	0.000006	0.000273	µg/m ³	V6
Molybdenum	0.000025	0.000082	µg/m ³	V6
Palladium	0.000050	0.000028	µg/m ³	V6
Silver	0.000006	0.000003	µg/m ³	V6
Cadmium	0.000011	0.000006	µg/m ³	V6
Tin	0.000008	0.000268	µg/m ³	V6
Antimony	0.000016	0.000031	µg/m ³	V6
Cesium	0.000004	0.000002	µg/m ³	V6
Barium	0.000054	0.000234	µg/m ³	V6
Lanthanum	0.000004	0.000007	µg/m ³	V6
Cerium	0.000013	0.000015	µg/m ³	V6
Praseodymium	0.000002	0.000001	µg/m ³	V6
Neodymium	0.000005	0.000005	µg/m ³	V6
Samarium	0.000006	0.000001	µg/m ³	V6
Tantalum	0.000003	0.001083	µg/m ³	V6
Tungsten	0.000005	0.000108	µg/m ³	V6
Platinum	0.000004	0.000026	µg/m ³	V6
Thallium	0.000005	0.000000	µg/m ³	V6
Lead	0.000018	0.003003	µg/m ³	V4
Bismuth	0.000004	0.000003	µg/m ³	V6
Thorium	0.000002	0.000005	µg/m ³	V6
Uranium	0.000003	0.000001	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 221105358
Start Date:	2022-11-02 13:06	End Date:	2022-11-02 13:07	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Lithium	0.000016	0.000075	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001132	µg/m ³	V0
Magnesium	0.000279	0.044623	µg/m ³	V0
Aluminum	0.002800	0.024967	µg/m ³	V0
Silicon	0.010200	0.069874	µg/m ³	V0
Phosphorus	0.003480	0.026885	µg/m ³	V0
Potassium	0.000402	0.001136	µg/m ³	V0
Calcium	0.013042	0.027922	µg/m ³	V0
Titanium	0.000031	0.000384	µg/m ³	V0
Vanadium	0.000018	0.000155	µg/m ³	V0
Chromium	0.000045	0.000847	µg/m ³	V0
Manganese	0.000028	0.000169	µg/m ³	V0
Iron	0.001585	0.009318	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000274	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000659	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000019	µg/m ³	V0
Strontium	0.000012	0.000045	µg/m ³	V0
Niobium	0.000006	0.001169	µg/m ³	V0
Molybdenum	0.000025	0.000062	µg/m ³	V0
Palladium	0.000050	0.000124	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000305	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.003289	µg/m ³	V0
Tungsten	0.000005	0.000217	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000029	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 221105414
Start Date:	2022-11-04 14:10	End Date:	2022-11-04 14:11	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000057	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.090222	µg/m ³	V0
Magnesium	0.000279	0.022133	µg/m ³	V0
Aluminum	0.002800	0.125910	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.025064	µg/m ³	V0
Potassium	0.000402	0.011897	µg/m ³	V0
Calcium	0.013042	0.039055	µg/m ³	V0
Titanium	0.000031	0.000488	µg/m ³	V0
Vanadium	0.000018	0.000227	µg/m ³	V0
Chromium	0.000045	0.000307	µg/m ³	V0
Manganese	0.000028	0.000389	µg/m ³	V0
Iron	0.001585	0.026784	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000099	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002962	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000046	µg/m ³	V0
Strontium	0.000012	0.001435	µg/m ³	V0
Niobium	0.000006	0.000356	µg/m ³	V0
Molybdenum	0.000025	0.000053	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000429	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000491	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000065	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000041	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.001310	µg/m ³	V0
Tungsten	0.000005	0.000220	µg/m ³	V0
Platinum	0.000004	0.000029	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000034	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105328
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		724.0	mmHg	
Particulate Matter	0.042	2.667	µg/m ³	V0
Lithium	0.000016	0.000116	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.023670	µg/m ³	V0
Magnesium	0.000279	0.050283	µg/m ³	V0
Aluminum	0.002800	0.044204	µg/m ³	V0
Silicon	0.010200	0.062874	µg/m ³	V0
Phosphorus	0.003480	0.025667	µg/m ³	V0
Potassium	0.000402	0.010672	µg/m ³	V0
Calcium	0.013042	0.026877	µg/m ³	V0
Titanium	0.000031	0.000505	µg/m ³	V0
Vanadium	0.000018	0.000183	µg/m ³	V0
Chromium	0.000045	0.000575	µg/m ³	V0
Manganese	0.000028	0.000203	µg/m ³	V0
Iron	0.001585	0.008770	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000269	µg/m ³	V0
Copper	0.000027	0.000148	µg/m ³	V0
Zinc	0.000149	0.004298	µg/m ³	V0
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000033	µg/m ³	V0
Strontium	0.000012	0.000090	µg/m ³	V0
Niobium	0.000006	0.002154	µg/m ³	V0
Molybdenum	0.000025	0.000097	µg/m ³	V0
Palladium	0.000050	0.000142	µg/m ³	V0
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000223	µg/m ³	V0
Antimony	0.000016	0.000158	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000077	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.010491	µg/m ³	V0
Tungsten	0.000005	0.000475	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000061	µg/m ³	V0
Lead	0.000018	0.000223	µg/m ³	V0
Bismuth	0.000004	0.000026	µg/m ³	V0
Thorium	0.000002	0.000026	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105342
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		732.1	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Lithium	0.000016	0.000063	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.082744	µg/m ³	V0
Magnesium	0.000279	0.019244	µg/m ³	V0
Aluminum	0.002800	0.027925	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.027970	µg/m ³	V0
Potassium	0.000402	0.002749	µg/m ³	V0
Calcium	0.013042	0.023820	µg/m ³	V0
Titanium	0.000031	0.000908	µg/m ³	V0
Vanadium	0.000018	0.000209	µg/m ³	V0
Chromium	0.000045	0.000984	µg/m ³	V0
Manganese	0.000028	0.000247	µg/m ³	V0
Iron	0.001585	0.010561	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000244	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002388	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.001097	µg/m ³	V0
Niobium	0.000006	0.000199	µg/m ³	V0
Molybdenum	0.000025	0.000061	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000032	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000382	µg/m ³	V0
Antimony	0.000016	0.000299	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000168	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000962	µg/m ³	V0
Tungsten	0.000005	0.000183	µg/m ³	V0
Platinum	0.000004	0.000042	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000334	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105350
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.067959	µg/m ³	V0
Magnesium	0.000279	0.025220	µg/m ³	V0
Aluminum	0.002800	0.038297	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.023698	µg/m ³	V0
Potassium	0.000402	0.008173	µg/m ³	V0
Calcium	0.013042	0.021770	µg/m ³	V0
Titanium	0.000031	0.000782	µg/m ³	V0
Vanadium	0.000018	0.000234	µg/m ³	V0
Chromium	0.000045	0.000711	µg/m ³	V0
Manganese	0.000028	0.000246	µg/m ³	V0
Iron	0.001585	0.009441	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000276	µg/m ³	V0
Copper	0.000027	0.000090	µg/m ³	V0
Zinc	0.000149	0.004173	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000029	µg/m ³	V0
Strontium	0.000012	0.000137	µg/m ³	V0
Niobium	0.000006	0.000319	µg/m ³	V0
Molybdenum	0.000025	0.000055	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000387	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000204	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001287	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	0.000029	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000142	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00
		Set Index:	1
		WBEA ID:	221105373
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		752.8	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Lithium	0.000016	0.000143	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.040905	µg/m ³	V0
Magnesium	0.000279	0.033106	µg/m ³	V0
Aluminum	0.002800	0.095657	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.025351	µg/m ³	V0
Potassium	0.000402	0.015932	µg/m ³	V0
Calcium	0.013042	0.077710	µg/m ³	V0
Titanium	0.000031	0.002902	µg/m ³	V0
Vanadium	0.000018	0.000333	µg/m ³	V0
Chromium	0.000045	0.000828	µg/m ³	V0
Manganese	0.000028	0.001031	µg/m ³	V0
Iron	0.001585	0.048826	µg/m ³	V0
Cobalt	0.000005	0.000065	µg/m ³	V0
Nickel	0.000015	0.000470	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.003123	µg/m ³	V0
Arsenic	0.000005	0.000074	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000092	µg/m ³	V0
Strontium	0.000012	0.000319	µg/m ³	V0
Niobium	0.000006	0.000336	µg/m ³	V0
Molybdenum	0.000025	0.000065	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000188	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000487	µg/m ³	V0
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000077	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000036	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.001508	µg/m ³	V0
Tungsten	0.000005	0.000126	µg/m ³	V0
Platinum	0.000004	0.000034	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000129	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 221105390
Start Date:	2022-11-07 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-11-08 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		755.4	mmHg	
Particulate Matter	0.042	3.417	µg/m ³	V0
Lithium	0.000016	0.000083	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.044657	µg/m ³	V0
Magnesium	0.000279	0.052923	µg/m ³	V0
Aluminum	0.002800	0.039586	µg/m ³	V0
Silicon	0.010200	0.087081	µg/m ³	V0
Phosphorus	0.003480	0.025293	µg/m ³	V0
Potassium	0.000402	0.010159	µg/m ³	V0
Calcium	0.013042	0.035728	µg/m ³	V0
Titanium	0.000031	0.000827	µg/m ³	V0
Vanadium	0.000018	0.000213	µg/m ³	V0
Chromium	0.000045	0.000736	µg/m ³	V0
Manganese	0.000028	0.000433	µg/m ³	V0
Iron	0.001585	0.017980	µg/m ³	V0
Cobalt	0.000005	0.000047	µg/m ³	V0
Nickel	0.000015	0.000292	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001694	µg/m ³	V0
Arsenic	0.000005	0.000284	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000050	µg/m ³	V0
Strontium	0.000012	0.000141	µg/m ³	V0
Niobium	0.000006	0.000843	µg/m ³	V0
Molybdenum	0.000025	0.000091	µg/m ³	V0
Palladium	0.000050	0.000100	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000176	µg/m ³	V0
Antimony	0.000016	0.000300	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000382	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002545	µg/m ³	V0
Tungsten	0.000005	0.000153	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000102	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105400
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		743.5	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Lithium	0.000016	0.000073	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.037225	µg/m ³	V0
Magnesium	0.000279	0.017780	µg/m ³	V0
Aluminum	0.002800	0.040757	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.024790	µg/m ³	V0
Potassium	0.000402	0.004947	µg/m ³	V0
Calcium	0.013042	0.056405	µg/m ³	V0
Titanium	0.000031	0.001276	µg/m ³	V0
Vanadium	0.000018	0.000266	µg/m ³	V0
Chromium	0.000045	0.001333	µg/m ³	V0
Manganese	0.000028	0.000414	µg/m ³	V0
Iron	0.001585	0.021408	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000231	µg/m ³	V0
Copper	0.000027	0.000085	µg/m ³	V0
Zinc	0.000149	0.002882	µg/m ³	V0
Arsenic	0.000005	0.000012	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000053	µg/m ³	V0
Strontium	0.000012	0.000149	µg/m ³	V0
Niobium	0.000006	0.000111	µg/m ³	V0
Molybdenum	0.000025	0.000098	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000352	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000221	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000578	µg/m ³	V0
Tungsten	0.000005	0.000118	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000126	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105419
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		758.2	mmHg	
Particulate Matter	0.042	1.083	µg/m ³	V0
Lithium	0.000016	0.000044	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005438	µg/m ³	V0
Magnesium	0.000279	0.016659	µg/m ³	V0
Aluminum	0.002800	0.038829	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.026615	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.017105	µg/m ³	V0
Titanium	0.000031	0.000937	µg/m ³	V0
Vanadium	0.000018	0.000140	µg/m ³	V0
Chromium	0.000045	0.002242	µg/m ³	V0
Manganese	0.000028	0.000269	µg/m ³	V0
Iron	0.001585	0.013294	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.001046	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.007139	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000028	µg/m ³	V0
Strontium	0.000012	0.000062	µg/m ³	V0
Niobium	0.000006	0.000259	µg/m ³	V0
Molybdenum	0.000025	0.000132	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000025	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000306	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000069	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001202	µg/m ³	V0
Tungsten	0.000005	0.000316	µg/m ³	V0
Platinum	0.000004	0.000030	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000021	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM2.5 Metal** Samp Use: **Field Procedure Blank** Set Index: **1**
Location: **Conklin** Loc ID: **CONK** WBEA ID: **221105483**
Start Date: **2022-11-09 11:16** End Date: **2022-11-09 11:17** Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000055	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002301	µg/m ³	V0
Magnesium	0.000279	0.010731	µg/m ³	V0
Aluminum	0.002800	0.028687	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.025413	µg/m ³	V0
Potassium	0.000402	0.006950	µg/m ³	V0
Calcium	0.013042	0.020526	µg/m ³	V0
Titanium	0.000031	0.000632	µg/m ³	V0
Vanadium	0.000018	0.000217	µg/m ³	V0
Chromium	0.000045	0.000730	µg/m ³	V0
Manganese	0.000028	0.000134	µg/m ³	V0
Iron	0.001585	0.005253	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000514	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000751	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000014	µg/m ³	V0
Strontium	0.000012	0.000078	µg/m ³	V0
Niobium	0.000006	0.000895	µg/m ³	V0
Molybdenum	0.000025	0.000556	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000177	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000442	µg/m ³	V0
Antimony	0.000016	0.000307	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.007712	µg/m ³	V0
Tungsten	0.000005	0.005892	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105438
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.0	°C	
Pressure		738.9	mmHg	
Particulate Matter	0.042	0.958	µg/m ³	V0
Lithium	0.000016	0.000049	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003893	µg/m ³	V0
Magnesium	0.000279	0.010734	µg/m ³	V0
Aluminum	0.002800	0.026755	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.026516	µg/m ³	V0
Potassium	0.000402	0.014773	µg/m ³	V0
Calcium	0.013042	0.019659	µg/m ³	V0
Titanium	0.000031	0.000697	µg/m ³	V0
Vanadium	0.000018	0.000159	µg/m ³	V0
Chromium	0.000045	0.000809	µg/m ³	V0
Manganese	0.000028	0.000153	µg/m ³	V0
Iron	0.001585	0.007289	µg/m ³	V0
Cobalt	0.000005	0.000015	µg/m ³	V0
Nickel	0.000015	0.000178	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002426	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000021	µg/m ³	V0
Strontium	0.000012	0.000051	µg/m ³	V0
Niobium	0.000006	0.000547	µg/m ³	V0
Molybdenum	0.000025	0.000097	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000034	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000856	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001676	µg/m ³	V0
Tungsten	0.000005	0.000403	µg/m ³	V0
Platinum	0.000004	0.000036	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000023	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105445	
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.2	°C	
Pressure		736.3	mmHg	
Particulate Matter	0.042	8.958	µg/m ³	V0
Lithium	0.000016	0.000045	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016171	µg/m ³	V0
Magnesium	0.000279	0.008282	µg/m ³	V0
Aluminum	0.002800	0.021062	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030391	µg/m ³	V0
Potassium	0.000402	0.084128	µg/m ³	V0
Calcium	0.013042	0.017818	µg/m ³	V0
Titanium	0.000031	0.000931	µg/m ³	V0
Vanadium	0.000018	0.000515	µg/m ³	V0
Chromium	0.000045	0.000611	µg/m ³	V0
Manganese	0.000028	0.000817	µg/m ³	V0
Iron	0.001585	0.013242	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000231	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.011964	µg/m ³	V0
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000207	µg/m ³	V0
Strontium	0.000012	0.000059	µg/m ³	V0
Niobium	0.000006	0.000190	µg/m ³	V0
Molybdenum	0.000025	0.000086	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000113	µg/m ³	V0
Tin	0.000008	0.000324	µg/m ³	V0
Antimony	0.000016	0.000119	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000275	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000894	µg/m ³	V0
Tungsten	0.000005	0.000114	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000313	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105467
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.9	°C	
Pressure		739.0	mmHg	
Particulate Matter	0.042	7.792	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.033303	µg/m ³	V0
Magnesium	0.000279	0.014269	µg/m ³	V0
Aluminum	0.002800	0.037828	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.034878	µg/m ³	V0
Potassium	0.000402	0.067420	µg/m ³	V0
Calcium	0.013042	0.023222	µg/m ³	V0
Titanium	0.000031	0.001443	µg/m ³	V0
Vanadium	0.000018	0.000259	µg/m ³	V0
Chromium	0.000045	0.000509	µg/m ³	V0
Manganese	0.000028	0.000318	µg/m ³	V0
Iron	0.001585	0.016568	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000223	µg/m ³	V0
Copper	0.000027	0.000124	µg/m ³	V0
Zinc	0.000149	0.004558	µg/m ³	V0
Arsenic	0.000005	0.000103	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000150	µg/m ³	V0
Strontium	0.000012	0.000144	µg/m ³	V0
Niobium	0.000006	0.000224	µg/m ³	V0
Molybdenum	0.000025	0.000086	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	0.000081	µg/m ³	V0
Tin	0.000008	0.000488	µg/m ³	V0
Antimony	0.000016	0.000232	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001773	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000030	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001153	µg/m ³	V0
Tungsten	0.000005	0.000123	µg/m ³	V0
Platinum	0.000004	0.000033	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000358	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 221105469
Start Date:	2022-11-13 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-11-14 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.7	°C	
Pressure		728.1	mmHg	
Particulate Matter	0.042	6.375	µg/m ³	V0
Lithium	0.000016	0.000077	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012506	µg/m ³	V0
Magnesium	0.000279	0.047693	µg/m ³	V0
Aluminum	0.002800	0.028629	µg/m ³	V0
Silicon	0.010200	0.124937	µg/m ³	V0
Phosphorus	0.003480	0.022910	µg/m ³	V0
Potassium	0.000402	0.063440	µg/m ³	V0
Calcium	0.013042	0.025612	µg/m ³	V0
Titanium	0.000031	0.000663	µg/m ³	V0
Vanadium	0.000018	0.000194	µg/m ³	V0
Chromium	0.000045	0.000455	µg/m ³	V0
Manganese	0.000028	0.000405	µg/m ³	V0
Iron	0.001585	0.010942	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000191	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.003768	µg/m ³	V0
Arsenic	0.000005	0.000177	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000156	µg/m ³	V0
Strontium	0.000012	0.000071	µg/m ³	V0
Niobium	0.000006	0.000835	µg/m ³	V0
Molybdenum	0.000025	0.000056	µg/m ³	V0
Palladium	0.000050	0.000100	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000108	µg/m ³	V0
Tin	0.000008	0.000213	µg/m ³	V0
Antimony	0.000016	0.000118	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000298	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002597	µg/m ³	V0
Tungsten	0.000005	0.000137	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000323	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105478
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.7	°C	
Pressure		711.3	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Lithium	0.000016	0.000048	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007360	µg/m ³	V0
Magnesium	0.000279	0.015245	µg/m ³	V0
Aluminum	0.002800	0.035877	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.025994	µg/m ³	V0
Potassium	0.000402	0.034621	µg/m ³	V0
Calcium	0.013042	0.025267	µg/m ³	V0
Titanium	0.000031	0.000486	µg/m ³	V0
Vanadium	0.000018	0.000147	µg/m ³	V0
Chromium	0.000045	0.000416	µg/m ³	V0
Manganese	0.000028	0.000174	µg/m ³	V0
Iron	0.001585	0.007520	µg/m ³	V0
Cobalt	0.000005	0.000012	µg/m ³	V0
Nickel	0.000015	0.000132	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.007998	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000097	µg/m ³	V0
Strontium	0.000012	0.000067	µg/m ³	V0
Niobium	0.000006	0.000265	µg/m ³	V0
Molybdenum	0.000025	0.000040	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000053	µg/m ³	V0
Tin	0.000008	0.000898	µg/m ³	V0
Antimony	0.000016	0.000075	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000113	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000967	µg/m ³	V0
Tungsten	0.000005	0.000154	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000109	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105495
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.0	°C	
Pressure		718.7	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Lithium	0.000016	0.000070	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008414	µg/m ³	V0
Magnesium	0.000279	0.059555	µg/m ³	V0
Aluminum	0.002800	0.055269	µg/m ³	V0
Silicon	0.010200	0.019159	µg/m ³	V0
Phosphorus	0.003480	0.024984	µg/m ³	V0
Potassium	0.000402	0.035470	µg/m ³	V0
Calcium	0.013042	0.020973	µg/m ³	V0
Titanium	0.000031	0.000693	µg/m ³	V0
Vanadium	0.000018	0.000190	µg/m ³	V0
Chromium	0.000045	0.000907	µg/m ³	V0
Manganese	0.000028	0.000230	µg/m ³	V0
Iron	0.001585	0.011117	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000317	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.010180	µg/m ³	V0
Arsenic	0.000005	0.000023	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000113	µg/m ³	V0
Strontium	0.000012	0.000071	µg/m ³	V0
Niobium	0.000006	0.000625	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	0.000076	µg/m ³	V0
Tin	0.000008	0.000141	µg/m ³	V0
Antimony	0.000016	0.000096	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000422	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002146	µg/m ³	V0
Tungsten	0.000005	0.000343	µg/m ³	V0
Platinum	0.000004	0.000031	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000133	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105497
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.7	°C	
Pressure		717.1	mmHg	
Particulate Matter	0.042	5.167	µg/m ³	V0
Lithium	0.000016	0.000063	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008935	µg/m ³	V0
Magnesium	0.000279	0.051333	µg/m ³	V0
Aluminum	0.002800	0.035263	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.024705	µg/m ³	V0
Potassium	0.000402	0.046337	µg/m ³	V0
Calcium	0.013042	0.025308	µg/m ³	V0
Titanium	0.000031	0.000628	µg/m ³	V0
Vanadium	0.000018	0.000159	µg/m ³	V0
Chromium	0.000045	0.000616	µg/m ³	V0
Manganese	0.000028	0.000279	µg/m ³	V0
Iron	0.001585	0.010768	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000296	µg/m ³	V0
Copper	0.000027	0.000139	µg/m ³	V0
Zinc	0.000149	0.004213	µg/m ³	V0
Arsenic	0.000005	0.000094	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000136	µg/m ³	V0
Strontium	0.000012	0.000073	µg/m ³	V0
Niobium	0.000006	0.001463	µg/m ³	V0
Molybdenum	0.000025	0.000189	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	0.000116	µg/m ³	V0
Cadmium	0.000011	0.000088	µg/m ³	V0
Tin	0.000008	0.000416	µg/m ³	V0
Antimony	0.000016	0.000237	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000461	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.009974	µg/m ³	V0
Tungsten	0.000005	0.003888	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000161	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 221105560
Start Date:	2022-11-16 12:46	End Date:	2022-11-16 12:47	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001848	µg/m ³	V0
Magnesium	0.000279	0.009298	µg/m ³	V0
Aluminum	0.002800	0.021164	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.022569	µg/m ³	V0
Potassium	0.000402	0.002635	µg/m ³	V0
Calcium	0.013042	0.013884	µg/m ³	V0
Titanium	0.000031	0.000486	µg/m ³	V0
Vanadium	0.000018	0.000205	µg/m ³	V0
Chromium	0.000045	0.001513	µg/m ³	V0
Manganese	0.000028	0.000153	µg/m ³	V0
Iron	0.001585	0.007652	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000614	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000837	µg/m ³	V0
Arsenic	0.000005	0.000032	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000013	µg/m ³	V0
Strontium	0.000012	0.000027	µg/m ³	V0
Niobium	0.000006	0.000225	µg/m ³	V0
Molybdenum	0.000025	0.000061	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000029	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000320	µg/m ³	V0
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000991	µg/m ³	V0
Tungsten	0.000005	0.000092	µg/m ³	V0
Platinum	0.000004	0.000044	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105528
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.0	°C	
Pressure		733.0	mmHg	
Particulate Matter	0.042	5.958	µg/m ³	V0
Lithium	0.000016	0.000070	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.024259	µg/m ³	V0
Magnesium	0.000279	0.014122	µg/m ³	V0
Aluminum	0.002800	0.046430	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.022031	µg/m ³	V0
Potassium	0.000402	0.034632	µg/m ³	V0
Calcium	0.013042	0.029507	µg/m ³	V0
Titanium	0.000031	0.001205	µg/m ³	V0
Vanadium	0.000018	0.000459	µg/m ³	V0
Chromium	0.000045	0.000372	µg/m ³	V0
Manganese	0.000028	0.000368	µg/m ³	V0
Iron	0.001585	0.017739	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000165	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.007882	µg/m ³	V0
Arsenic	0.000005	0.000063	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000102	µg/m ³	V0
Strontium	0.000012	0.000105	µg/m ³	V0
Niobium	0.000006	0.000276	µg/m ³	V0
Molybdenum	0.000025	0.000061	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000044	µg/m ³	V0
Tin	0.000008	0.000270	µg/m ³	V0
Antimony	0.000016	0.004107	µg/m ³	V4
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000292	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001132	µg/m ³	V0
Tungsten	0.000005	0.000245	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000063	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105540
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.0	°C	
Pressure		724.7	mmHg	
Particulate Matter	0.042	3.792	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.025466	µg/m ³	V0
Magnesium	0.000279	0.013479	µg/m ³	V0
Aluminum	0.002800	0.030513	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.025834	µg/m ³	V0
Potassium	0.000402	0.056823	µg/m ³	V0
Calcium	0.013042	0.023772	µg/m ³	V0
Titanium	0.000031	0.000775	µg/m ³	V0
Vanadium	0.000018	0.000256	µg/m ³	V0
Chromium	0.000045	0.000522	µg/m ³	V0
Manganese	0.000028	0.000320	µg/m ³	V0
Iron	0.001585	0.010976	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000212	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.005881	µg/m ³	V0
Arsenic	0.000005	0.000089	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000158	µg/m ³	V0
Strontium	0.000012	0.000092	µg/m ³	V0
Niobium	0.000006	0.000284	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000032	µg/m ³	V0
Cadmium	0.000011	0.000120	µg/m ³	V0
Tin	0.000008	0.000381	µg/m ³	V0
Antimony	0.000016	0.000068	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000453	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001226	µg/m ³	V0
Tungsten	0.000005	0.000121	µg/m ³	V0
Platinum	0.000004	0.000036	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000384	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105547
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.7	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	6.208	µg/m ³	V0
Lithium	0.000016	0.000059	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.225434	µg/m ³	V0
Magnesium	0.000279	0.021006	µg/m ³	V0
Aluminum	0.002800	0.040862	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030850	µg/m ³	V0
Potassium	0.000402	0.051137	µg/m ³	V0
Calcium	0.013042	0.051744	µg/m ³	V0
Titanium	0.000031	0.002725	µg/m ³	V0
Vanadium	0.000018	0.000267	µg/m ³	V0
Chromium	0.000045	0.000686	µg/m ³	V0
Manganese	0.000028	0.001083	µg/m ³	V0
Iron	0.001585	0.046408	µg/m ³	V0
Cobalt	0.000005	0.000051	µg/m ³	V0
Nickel	0.000015	0.000278	µg/m ³	V0
Copper	0.000027	0.000549	µg/m ³	V0
Zinc	0.000149	0.007469	µg/m ³	V0
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000133	µg/m ³	V0
Strontium	0.000012	0.000255	µg/m ³	V0
Niobium	0.000006	0.000176	µg/m ³	V0
Molybdenum	0.000025	0.000140	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000058	µg/m ³	V0
Tin	0.000008	0.000441	µg/m ³	V0
Antimony	0.000016	0.000276	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002801	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000051	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001025	µg/m ³	V0
Tungsten	0.000005	0.000202	µg/m ³	V0
Platinum	0.000004	0.000033	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000148	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105553
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.9	°C	
Pressure		713.6	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Lithium	0.000016	0.000049	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016738	µg/m ³	V0
Magnesium	0.000279	0.011100	µg/m ³	V0
Aluminum	0.002800	0.025166	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.023247	µg/m ³	V0
Potassium	0.000402	0.029177	µg/m ³	V0
Calcium	0.013042	0.018676	µg/m ³	V0
Titanium	0.000031	0.000679	µg/m ³	V0
Vanadium	0.000018	0.000208	µg/m ³	V0
Chromium	0.000045	0.000888	µg/m ³	V0
Manganese	0.000028	0.000274	µg/m ³	V0
Iron	0.001585	0.010088	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000317	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.005832	µg/m ³	V0
Arsenic	0.000005	0.000061	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000078	µg/m ³	V0
Strontium	0.000012	0.000062	µg/m ³	V0
Niobium	0.000006	0.000243	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	0.000050	µg/m ³	V0
Silver	0.000006	0.000028	µg/m ³	V0
Cadmium	0.000011	0.000056	µg/m ³	V0
Tin	0.000008	0.000248	µg/m ³	V0
Antimony	0.000016	0.000024	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000084	µg/m ³	V0
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001178	µg/m ³	V0
Tungsten	0.000005	0.000112	µg/m ³	V0
Platinum	0.000004	0.000065	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000172	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105563
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.5	°C	
Pressure		715.1	mmHg	
Particulate Matter	0.042	4.833	µg/m ³	V0
Lithium	0.000016	0.000057	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030700	µg/m ³	V0
Magnesium	0.000279	0.014242	µg/m ³	V0
Aluminum	0.002800	0.038493	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.024064	µg/m ³	V0
Potassium	0.000402	0.035262	µg/m ³	V0
Calcium	0.013042	0.024836	µg/m ³	V0
Titanium	0.000031	0.001000	µg/m ³	V0
Vanadium	0.000018	0.000280	µg/m ³	V0
Chromium	0.000045	0.001301	µg/m ³	V0
Manganese	0.000028	0.000289	µg/m ³	V0
Iron	0.001585	0.012237	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000582	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.005659	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000093	µg/m ³	V0
Strontium	0.000012	0.000108	µg/m ³	V0
Niobium	0.000006	0.000237	µg/m ³	V0
Molybdenum	0.000025	0.000080	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000060	µg/m ³	V0
Tin	0.000008	0.000232	µg/m ³	V0
Antimony	0.000016	0.000055	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000258	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001087	µg/m ³	V0
Tungsten	0.000005	0.000118	µg/m ³	V0
Platinum	0.000004	0.000032	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000124	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105573
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.7	°C	
Pressure		708.0	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Lithium	0.000016	0.000071	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031202	µg/m ³	V0
Magnesium	0.000279	0.060802	µg/m ³	V0
Aluminum	0.002800	0.051389	µg/m ³	V0
Silicon	0.010200	0.020519	µg/m ³	V0
Phosphorus	0.003480	0.022924	µg/m ³	V0
Potassium	0.000402	0.025894	µg/m ³	V0
Calcium	0.013042	0.041953	µg/m ³	V0
Titanium	0.000031	0.000885	µg/m ³	V0
Vanadium	0.000018	0.000195	µg/m ³	V0
Chromium	0.000045	0.000690	µg/m ³	V0
Manganese	0.000028	0.000422	µg/m ³	V0
Iron	0.001585	0.017947	µg/m ³	V0
Cobalt	0.000005	0.000048	µg/m ³	V0
Nickel	0.000015	0.000350	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.004083	µg/m ³	V0
Arsenic	0.000005	0.000005	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000100	µg/m ³	V0
Strontium	0.000012	0.000138	µg/m ³	V0
Niobium	0.000006	0.000335	µg/m ³	V0
Molybdenum	0.000025	0.000040	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.000137	µg/m ³	V0
Antimony	0.000016	0.000062	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000849	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001295	µg/m ³	V0
Tungsten	0.000005	0.000147	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000096	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105582
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.1	°C	
Pressure		735.9	mmHg	
Particulate Matter	0.042	0.417	µg/m ³	V0
Lithium	0.000016	0.000080	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015383	µg/m ³	V0
Magnesium	0.000279	0.021167	µg/m ³	V0
Aluminum	0.002800	0.070763	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.022565	µg/m ³	V0
Potassium	0.000402	0.020434	µg/m ³	V0
Calcium	0.013042	0.038692	µg/m ³	V0
Titanium	0.000031	0.001246	µg/m ³	V0
Vanadium	0.000018	0.000255	µg/m ³	V0
Chromium	0.000045	0.000356	µg/m ³	V0
Manganese	0.000028	0.000660	µg/m ³	V0
Iron	0.001585	0.017160	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000148	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.003200	µg/m ³	V0
Arsenic	0.000005	0.000018	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000056	µg/m ³	V0
Strontium	0.000012	0.000305	µg/m ³	V0
Niobium	0.000006	0.001244	µg/m ³	V0
Molybdenum	0.000025	0.000313	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000112	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000631	µg/m ³	V0
Antimony	0.000016	0.000218	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000574	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000034	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.007139	µg/m ³	V0
Tungsten	0.000005	0.004861	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000027	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 221105666
Start Date:	2022-11-23 15:50	End Date:	2022-11-23 15:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000053	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004245	µg/m ³	V0
Magnesium	0.000279	0.009708	µg/m ³	V0
Aluminum	0.002800	0.022552	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.026064	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.014459	µg/m ³	V0
Titanium	0.000031	0.000613	µg/m ³	V0
Vanadium	0.000018	0.000097	µg/m ³	V0
Chromium	0.000045	0.000580	µg/m ³	V0
Manganese	0.000028	0.000090	µg/m ³	V0
Iron	0.001585	0.003427	µg/m ³	V0
Cobalt	0.000005	0.000016	µg/m ³	V0
Nickel	0.000015	0.000218	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001931	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000011	µg/m ³	V0
Strontium	0.000012	0.000024	µg/m ³	V0
Niobium	0.000006	0.000065	µg/m ³	V0
Molybdenum	0.000025	0.000030	µg/m ³	V0
Palladium	0.000050	0.000054	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000458	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000301	µg/m ³	V0
Tungsten	0.000005	0.000057	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000028	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105588
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.3	°C	
Pressure		706.2	mmHg	
Particulate Matter	0.042	0.875	µg/m ³	V0
Lithium	0.000016	0.000040	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007627	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.034599	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.016859	µg/m ³	V0
Titanium	0.000031	0.000503	µg/m ³	V0
Vanadium	0.000018	0.000219	µg/m ³	V0
Chromium	0.000045	0.000479	µg/m ³	V0
Manganese	0.000028	0.000136	µg/m ³	V0
Iron	0.001585	0.006259	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000217	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000010	µg/m ³	V0
Strontium	0.000012	0.000017	µg/m ³	V0
Niobium	0.000006	0.000145	µg/m ³	V0
Molybdenum	0.000025	0.000029	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000239	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000893	µg/m ³	V0
Tungsten	0.000005	0.000072	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000030	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105597
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.7	°C	
Pressure		707.7	mmHg	
Particulate Matter	0.042	0.542	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003772	µg/m ³	V0
Magnesium	0.000279	0.003480	µg/m ³	V0
Aluminum	0.002800	0.008002	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030675	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.013456	µg/m ³	V0
Titanium	0.000031	0.000619	µg/m ³	V0
Vanadium	0.000018	0.000202	µg/m ³	V0
Chromium	0.000045	0.000806	µg/m ³	V0
Manganese	0.000028	0.000112	µg/m ³	V0
Iron	0.001585	0.005031	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000333	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000510	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000011	µg/m ³	V0
Strontium	0.000012	0.000020	µg/m ³	V0
Niobium	0.000006	0.000169	µg/m ³	V0
Molybdenum	0.000025	0.000034	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000204	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000857	µg/m ³	V0
Tungsten	0.000005	0.000103	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.000018	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105599
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.1	°C	
Pressure		700.9	mmHg	
Particulate Matter	0.042	1.958	µg/m ³	V0
Lithium	0.000016	0.000034	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003907	µg/m ³	V0
Magnesium	0.000279	0.001805	µg/m ³	V0
Aluminum	0.002800	0.003299	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.033669	µg/m ³	V0
Potassium	0.000402	0.005742	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000437	µg/m ³	V0
Vanadium	0.000018	0.000172	µg/m ³	V0
Chromium	0.000045	0.000727	µg/m ³	V0
Manganese	0.000028	0.001417	µg/m ³	V0
Iron	0.001585	0.209297	µg/m ³	V4
Cobalt	0.000005	0.000095	µg/m ³	V0
Nickel	0.000015	0.000467	µg/m ³	V0
Copper	0.000027	0.000882	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.001036	µg/m ³	V4
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000017	µg/m ³	V0
Strontium	0.000012	0.000023	µg/m ³	V0
Niobium	0.000006	0.000155	µg/m ³	V0
Molybdenum	0.000025	0.000105	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000510	µg/m ³	V0
Antimony	0.000016	0.000085	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000848	µg/m ³	V0
Tungsten	0.000005	0.000084	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000051	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221105671
Start Date:	2022-11-25 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-11-26 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.9	°C	
Pressure		725.0	mmHg	
Particulate Matter	0.042	1.333	µg/m ³	V0
Lithium	0.000016	0.000068	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016420	µg/m ³	V0
Magnesium	0.000279	0.010466	µg/m ³	V0
Aluminum	0.002800	0.022219	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.028817	µg/m ³	V0
Potassium	0.000402	0.009360	µg/m ³	V0
Calcium	0.013042	0.013170	µg/m ³	V0
Titanium	0.000031	0.000466	µg/m ³	V0
Vanadium	0.000018	0.000152	µg/m ³	V0
Chromium	0.000045	0.000566	µg/m ³	V0
Manganese	0.000028	0.000143	µg/m ³	V0
Iron	0.001585	0.004703	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000195	µg/m ³	V0
Copper	0.000027	0.000189	µg/m ³	V0
Zinc	0.000149	0.002229	µg/m ³	V0
Arsenic	0.000005	0.000149	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000038	µg/m ³	V0
Strontium	0.000012	0.000042	µg/m ³	V0
Niobium	0.000006	0.000200	µg/m ³	V0
Molybdenum	0.000025	0.000035	µg/m ³	V0
Palladium	0.000050	0.000110	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000332	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001340	µg/m ³	V0
Tungsten	0.000005	0.000150	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000215	µg/m ³	V4
Lead	0.000018	0.000071	µg/m ³	V0
Bismuth	0.000004	0.000073	µg/m ³	V0
Thorium	0.000002	0.000032	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105679
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.1	°C	
Pressure		726.5	mmHg	
Particulate Matter	0.042	1.000	µg/m ³	V0
Lithium	0.000016	0.000054	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014387	µg/m ³	V0
Magnesium	0.000279	0.019637	µg/m ³	V0
Aluminum	0.002800	0.051654	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.028368	µg/m ³	V0
Potassium	0.000402	0.013166	µg/m ³	V0
Calcium	0.013042	0.025127	µg/m ³	V0
Titanium	0.000031	0.000956	µg/m ³	V0
Vanadium	0.000018	0.000156	µg/m ³	V0
Chromium	0.000045	0.000572	µg/m ³	V0
Manganese	0.000028	0.000287	µg/m ³	V0
Iron	0.001585	0.011281	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000251	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.004431	µg/m ³	V0
Arsenic	0.000005	0.000007	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000046	µg/m ³	V0
Strontium	0.000012	0.000112	µg/m ³	V0
Niobium	0.000006	0.000383	µg/m ³	V0
Molybdenum	0.000025	0.000160	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000051	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000684	µg/m ³	V0
Antimony	0.000016	0.000072	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000244	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000029	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001473	µg/m ³	V0
Tungsten	0.000005	0.000483	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000050	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105687
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.0	°C	
Pressure		728.6	mmHg	
Particulate Matter	0.042	6.458	µg/m ³	V0
Lithium	0.000016	0.000050	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.044845	µg/m ³	V0
Magnesium	0.000279	0.009888	µg/m ³	V0
Aluminum	0.002800	0.018871	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021638	µg/m ³	V0
Potassium	0.000402	0.026022	µg/m ³	V0
Calcium	0.013042	0.023467	µg/m ³	V0
Titanium	0.000031	0.001001	µg/m ³	V0
Vanadium	0.000018	0.000187	µg/m ³	V0
Chromium	0.000045	0.000508	µg/m ³	V0
Manganese	0.000028	0.000263	µg/m ³	V0
Iron	0.001585	0.017080	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000190	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.007406	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000049	µg/m ³	V0
Strontium	0.000012	0.000091	µg/m ³	V0
Niobium	0.000006	0.000102	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000315	µg/m ³	V0
Antimony	0.000016	0.000102	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001148	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	0.000013	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000518	µg/m ³	V0
Tungsten	0.000005	0.000075	µg/m ³	V0
Platinum	0.000004	0.000029	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000032	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105694
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.4	°C	
Pressure		716.7	mmHg	
Particulate Matter	0.042	0.875	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005365	µg/m ³	V0
Magnesium	0.000279	0.010414	µg/m ³	V0
Aluminum	0.002800	0.022834	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.031658	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.017475	µg/m ³	V0
Titanium	0.000031	0.000413	µg/m ³	V0
Vanadium	0.000018	0.000195	µg/m ³	V0
Chromium	0.000045	0.001059	µg/m ³	V0
Manganese	0.000028	0.000134	µg/m ³	V0
Iron	0.001585	0.006661	µg/m ³	V0
Cobalt	0.000005	0.000557	µg/m ³	V4
Nickel	0.000015	0.000425	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.004149	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000016	µg/m ³	V0
Strontium	0.000012	0.000034	µg/m ³	V0
Niobium	0.000006	0.000165	µg/m ³	V0
Molybdenum	0.000025	0.000038	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000280	µg/m ³	V0
Antimony	0.000016	0.000098	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000961	µg/m ³	V0
Tungsten	0.000005	0.000100	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000067	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 221105721
Start Date:	2022-11-28 15:50	End Date:	2022-11-28 15:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	
Particulate Matter	0.042	0.250	µg/m ³	
Lithium	0.000016	0.000056	µg/m ³	
Beryllium	0.000013	0.000002	µg/m ³	
Sodium	0.000777	0.003226	µg/m ³	
Magnesium	0.000279	0.004025	µg/m ³	
Aluminum	0.002800	0.008082	µg/m ³	
Silicon	0.010200	0.000000	µg/m ³	
Phosphorus	0.003480	0.027390	µg/m ³	
Potassium	0.000402	0.023057	µg/m ³	
Calcium	0.013042	0.021821	µg/m ³	
Titanium	0.000031	0.000621	µg/m ³	
Vanadium	0.000018	0.000034	µg/m ³	
Chromium	0.000045	0.000862	µg/m ³	
Manganese	0.000028	0.000120	µg/m ³	
Iron	0.001585	0.008113	µg/m ³	
Cobalt	0.000005	0.000020	µg/m ³	
Nickel	0.000015	0.000269	µg/m ³	
Copper	0.000027	0.003270	µg/m ³	
Zinc	0.000149	0.002324	µg/m ³	
Arsenic	0.000005	0.000000	µg/m ³	
Selenium	0.000133	0.000000	µg/m ³	
Rubidium	0.000003	0.000003	µg/m ³	
Strontium	0.000012	0.000023	µg/m ³	
Niobium	0.000006	0.000144	µg/m ³	
Molybdenum	0.000025	0.000050	µg/m ³	
Palladium	0.000050	0.000025	µg/m ³	
Silver	0.000006	0.000001	µg/m ³	
Cadmium	0.000011	0.000001	µg/m ³	
Tin	0.000008	0.000322	µg/m ³	
Antimony	0.000016	0.000014	µg/m ³	
Cesium	0.000004	0.000000	µg/m ³	
Barium	0.000054	0.000000	µg/m ³	
Lanthanum	0.000004	0.000001	µg/m ³	
Cerium	0.000013	0.000002	µg/m ³	
Praseodymium	0.000002	0.000000	µg/m ³	
Neodymium	0.000005	0.000001	µg/m ³	
Samarium	0.000006	0.000000	µg/m ³	
Tantalum	0.000003	0.000722	µg/m ³	
Tungsten	0.000005	0.000105	µg/m ³	
Platinum	0.000004	0.000251	µg/m ³	
Thallium	0.000005	0.000000	µg/m ³	
Lead	0.000018	0.000202	µg/m ³	
Bismuth	0.000004	0.000001	µg/m ³	
Thorium	0.000002	0.000001	µg/m ³	
Uranium	0.000003	0.000000	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105712
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		741.0	mmHg	
Particulate Matter	0.042	2.708	µg/m ³	V0
Lithium	0.000016	0.000030	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.070962	µg/m ³	V0
Magnesium	0.000279	0.011546	µg/m ³	V0
Aluminum	0.002800	0.013332	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.028187	µg/m ³	V0
Potassium	0.000402	0.039041	µg/m ³	V0
Calcium	0.013042	0.022490	µg/m ³	V0
Titanium	0.000031	0.001018	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000923	µg/m ³	V0
Manganese	0.000028	0.000302	µg/m ³	V0
Iron	0.001585	0.016325	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000255	µg/m ³	V0
Copper	0.000027	0.000414	µg/m ³	V0
Zinc	0.000149	0.002327	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000026	µg/m ³	V0
Strontium	0.000012	0.000095	µg/m ³	V0
Niobium	0.000006	0.000247	µg/m ³	V0
Molybdenum	0.000025	0.000093	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000309	µg/m ³	V0
Antimony	0.000016	0.000130	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000784	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001126	µg/m ³	V0
Tungsten	0.000005	0.000162	µg/m ³	V0
Platinum	0.000004	0.000288	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000081	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105723
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		727.4	mmHg	
Particulate Matter	0.042	1.958	µg/m ³	V0
Lithium	0.000016	0.000026	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.024573	µg/m ³	V0
Magnesium	0.000279	0.006493	µg/m ³	V0
Aluminum	0.002800	0.011204	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.024336	µg/m ³	V0
Potassium	0.000402	0.026556	µg/m ³	V0
Calcium	0.013042	0.019117	µg/m ³	V0
Titanium	0.000031	0.000630	µg/m ³	V0
Vanadium	0.000018	0.000073	µg/m ³	V0
Chromium	0.000045	0.000800	µg/m ³	V0
Manganese	0.000028	0.000184	µg/m ³	V0
Iron	0.001585	0.011252	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000285	µg/m ³	V0
Copper	0.000027	0.000258	µg/m ³	V0
Zinc	0.000149	0.000901	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000021	µg/m ³	V0
Strontium	0.000012	0.000057	µg/m ³	V0
Niobium	0.000006	0.000177	µg/m ³	V0
Molybdenum	0.000025	0.000077	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000264	µg/m ³	V0
Antimony	0.000016	0.000045	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000175	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000731	µg/m ³	V0
Tungsten	0.000005	0.000115	µg/m ³	V0
Platinum	0.000004	0.000265	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000121	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105734	
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		737.0	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Lithium	0.000016	0.000032	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.037289	µg/m ³	V0
Magnesium	0.000279	0.008482	µg/m ³	V0
Aluminum	0.002800	0.010605	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030326	µg/m ³	V0
Potassium	0.000402	0.035956	µg/m ³	V0
Calcium	0.013042	0.019064	µg/m ³	V0
Titanium	0.000031	0.000794	µg/m ³	V0
Vanadium	0.000018	0.000095	µg/m ³	V0
Chromium	0.000045	0.000687	µg/m ³	V0
Manganese	0.000028	0.000449	µg/m ³	V0
Iron	0.001585	0.011237	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000239	µg/m ³	V0
Copper	0.000027	0.000325	µg/m ³	V0
Zinc	0.000149	0.001534	µg/m ³	V0
Arsenic	0.000005	0.000371	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000040	µg/m ³	V0
Strontium	0.000012	0.000075	µg/m ³	V0
Niobium	0.000006	0.000339	µg/m ³	V0
Molybdenum	0.000025	0.000172	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000038	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000257	µg/m ³	V0
Antimony	0.000016	0.000076	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000062	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001276	µg/m ³	V0
Tungsten	0.000005	0.000436	µg/m ³	V0
Platinum	0.000004	0.000208	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000078	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00
		Set Index:	1
		WBEA ID:	221105755
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		716.9	mmHg	
Particulate Matter	0.042	1.583	µg/m ³	V0
Lithium	0.000016	0.000023	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.040128	µg/m ³	V0
Magnesium	0.000279	0.005633	µg/m ³	V0
Aluminum	0.002800	0.004065	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.028703	µg/m ³	V0
Potassium	0.000402	0.026853	µg/m ³	V0
Calcium	0.013042	0.026265	µg/m ³	V0
Titanium	0.000031	0.000459	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001499	µg/m ³	V0
Manganese	0.000028	0.000336	µg/m ³	V0
Iron	0.001585	0.016183	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000313	µg/m ³	V0
Copper	0.000027	0.000240	µg/m ³	V0
Zinc	0.000149	0.000554	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000014	µg/m ³	V0
Strontium	0.000012	0.000060	µg/m ³	V0
Niobium	0.000006	0.000199	µg/m ³	V0
Molybdenum	0.000025	0.000067	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000385	µg/m ³	V0
Antimony	0.000016	0.000037	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000848	µg/m ³	V0
Tungsten	0.000005	0.000253	µg/m ³	V0
Platinum	0.000004	0.000200	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000052	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105770
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		708.7	mmHg	
Particulate Matter	0.042	2.667	µg/m ³	V0
Lithium	0.000016	0.000024	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032074	µg/m ³	V0
Magnesium	0.000279	0.004443	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.026294	µg/m ³	V0
Potassium	0.000402	0.035299	µg/m ³	V0
Calcium	0.013042	0.021389	µg/m ³	V0
Titanium	0.000031	0.000487	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001143	µg/m ³	V0
Manganese	0.000028	0.000205	µg/m ³	V0
Iron	0.001585	0.011422	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000343	µg/m ³	V0
Copper	0.000027	0.000304	µg/m ³	V0
Zinc	0.000149	0.000466	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000023	µg/m ³	V0
Strontium	0.000012	0.000040	µg/m ³	V0
Niobium	0.000006	0.000166	µg/m ³	V0
Molybdenum	0.000025	0.000084	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000339	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000672	µg/m ³	V0
Tungsten	0.000005	0.000161	µg/m ³	V0
Platinum	0.000004	0.000213	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000057	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105779
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		715.4	mmHg	
Particulate Matter	0.042	1.875	µg/m ³	V0
Lithium	0.000016	0.000029	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.044945	µg/m ³	V0
Magnesium	0.000279	0.007949	µg/m ³	V0
Aluminum	0.002800	0.004377	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.025275	µg/m ³	V0
Potassium	0.000402	0.031423	µg/m ³	V0
Calcium	0.013042	0.019550	µg/m ³	V0
Titanium	0.000031	0.000825	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000710	µg/m ³	V0
Manganese	0.000028	0.000164	µg/m ³	V0
Iron	0.001585	0.007278	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000265	µg/m ³	V0
Copper	0.000027	0.000264	µg/m ³	V0
Zinc	0.000149	0.001625	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000015	µg/m ³	V0
Strontium	0.000012	0.000057	µg/m ³	V0
Niobium	0.000006	0.000159	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000256	µg/m ³	V0
Antimony	0.000016	0.000024	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000852	µg/m ³	V0
Tungsten	0.000005	0.000097	µg/m ³	V0
Platinum	0.000004	0.000248	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000085	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105802
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		739.7	mmHg	
Particulate Matter	0.042	2.833	µg/m ³	V0
Lithium	0.000016	0.000039	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032703	µg/m ³	V0
Magnesium	0.000279	0.006792	µg/m ³	V0
Aluminum	0.002800	0.005784	µg/m ³	V0
Silicon	0.010200	0.765941	µg/m ³	V0
Phosphorus	0.003480	0.025051	µg/m ³	V0
Potassium	0.000402	0.027241	µg/m ³	V0
Calcium	0.013042	0.020353	µg/m ³	V0
Titanium	0.000031	0.000605	µg/m ³	V0
Vanadium	0.000018	0.000728	µg/m ³	V0
Chromium	0.000045	0.000743	µg/m ³	V0
Manganese	0.000028	0.000257	µg/m ³	V0
Iron	0.001585	0.008000	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000287	µg/m ³	V0
Copper	0.000027	0.000308	µg/m ³	V0
Zinc	0.000149	0.000372	µg/m ³	V0
Arsenic	0.000005	0.000006	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000015	µg/m ³	V0
Strontium	0.000012	0.000066	µg/m ³	V0
Niobium	0.000006	0.000764	µg/m ³	V0
Molybdenum	0.000025	0.000129	µg/m ³	V0
Palladium	0.000050	0.000078	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000137	µg/m ³	V0
Antimony	0.000016	0.000037	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002385	µg/m ³	V0
Tungsten	0.000005	0.000150	µg/m ³	V0
Platinum	0.000004	0.000089	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000056	µg/m ³	V0
Bismuth	0.000004	0.000026	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 221205823
Start Date:	2022-12-05 09:22	End Date:	2022-12-05 09:23	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Lithium	0.000016	0.000023	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001670	µg/m ³	V0
Magnesium	0.000279	0.001468	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.023564	µg/m ³	V0
Potassium	0.000402	0.023403	µg/m ³	V0
Calcium	0.013042	0.017410	µg/m ³	V0
Titanium	0.000031	0.000360	µg/m ³	V0
Vanadium	0.000018	0.000033	µg/m ³	V0
Chromium	0.000045	0.000401	µg/m ³	V0
Manganese	0.000028	0.000071	µg/m ³	V0
Iron	0.001585	0.003859	µg/m ³	V0
Cobalt	0.000005	0.000015	µg/m ³	V0
Nickel	0.000015	0.000129	µg/m ³	V0
Copper	0.000027	0.000075	µg/m ³	V0
Zinc	0.000149	0.000449	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000003	µg/m ³	V0
Strontium	0.000012	0.000015	µg/m ³	V0
Niobium	0.000006	0.000388	µg/m ³	V0
Molybdenum	0.000025	0.000032	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000298	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001510	µg/m ³	V0
Tungsten	0.000005	0.000140	µg/m ³	V0
Platinum	0.000004	0.000173	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221205820
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		722.5	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.107602	µg/m ³	V0
Magnesium	0.000279	0.032327	µg/m ³	V0
Aluminum	0.002800	0.012912	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030806	µg/m ³	V0
Potassium	0.000402	0.099977	µg/m ³	V0
Calcium	0.013042	0.037663	µg/m ³	V0
Titanium	0.000031	0.001053	µg/m ³	V0
Vanadium	0.000018	0.000100	µg/m ³	V0
Chromium	0.000045	0.000523	µg/m ³	V0
Manganese	0.000028	0.001211	µg/m ³	V0
Iron	0.001585	0.016178	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000185	µg/m ³	V0
Copper	0.000027	0.000631	µg/m ³	V0
Zinc	0.000149	0.006023	µg/m ³	V0
Arsenic	0.000005	0.000096	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000264	µg/m ³	V0
Strontium	0.000012	0.000266	µg/m ³	V0
Niobium	0.000006	0.000941	µg/m ³	V0
Molybdenum	0.000025	0.000544	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000139	µg/m ³	V0
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000348	µg/m ³	V0
Antimony	0.000016	0.000463	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000745	µg/m ³	V0
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.006707	µg/m ³	V0
Tungsten	0.000005	0.005129	µg/m ³	V0
Platinum	0.000004	0.000208	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000386	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205828
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		736.0	mmHg	
Particulate Matter	0.042	7.208	µg/m ³	V0
Lithium	0.000016	0.000039	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.103028	µg/m ³	V0
Magnesium	0.000279	0.029765	µg/m ³	V0
Aluminum	0.002800	0.010271	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.025264	µg/m ³	V0
Potassium	0.000402	0.073701	µg/m ³	V0
Calcium	0.013042	0.033218	µg/m ³	V0
Titanium	0.000031	0.001138	µg/m ³	V0
Vanadium	0.000018	0.000091	µg/m ³	V0
Chromium	0.000045	0.001018	µg/m ³	V0
Manganese	0.000028	0.001263	µg/m ³	V0
Iron	0.001585	0.026028	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000298	µg/m ³	V0
Copper	0.000027	0.001080	µg/m ³	V0
Zinc	0.000149	0.008798	µg/m ³	V0
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000130	µg/m ³	V0
Strontium	0.000012	0.000218	µg/m ³	V0
Niobium	0.000006	0.000118	µg/m ³	V0
Molybdenum	0.000025	0.000152	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	0.000053	µg/m ³	V0
Tin	0.000008	0.000275	µg/m ³	V0
Antimony	0.000016	0.000172	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001212	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000482	µg/m ³	V0
Tungsten	0.000005	0.000135	µg/m ³	V0
Platinum	0.000004	0.000193	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000216	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205835
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		710.6	mmHg	
Particulate Matter	0.042	4.125	µg/m ³	V0
Lithium	0.000016	0.000028	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.040746	µg/m ³	V0
Magnesium	0.000279	0.008973	µg/m ³	V0
Aluminum	0.002800	0.005526	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.028724	µg/m ³	V0
Potassium	0.000402	0.033418	µg/m ³	V0
Calcium	0.013042	0.022009	µg/m ³	V0
Titanium	0.000031	0.000417	µg/m ³	V0
Vanadium	0.000018	0.000113	µg/m ³	V0
Chromium	0.000045	0.000458	µg/m ³	V0
Manganese	0.000028	0.000097	µg/m ³	V0
Iron	0.001585	0.005616	µg/m ³	V0
Cobalt	0.000005	0.000015	µg/m ³	V0
Nickel	0.000015	0.000187	µg/m ³	V0
Copper	0.000027	0.000203	µg/m ³	V0
Zinc	0.000149	0.001286	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000015	µg/m ³	V0
Strontium	0.000012	0.000059	µg/m ³	V0
Niobium	0.000006	0.000311	µg/m ³	V0
Molybdenum	0.000025	0.000055	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000246	µg/m ³	V0
Antimony	0.000016	0.000211	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001252	µg/m ³	V0
Tungsten	0.000005	0.000110	µg/m ³	V0
Platinum	0.000004	0.000172	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000068	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205843
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		712.2	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.116453	µg/m ³	V0
Magnesium	0.000279	0.029058	µg/m ³	V0
Aluminum	0.002800	0.013865	µg/m ³	V0
Silicon	0.010200	0.024477	µg/m ³	V0
Phosphorus	0.003480	0.023606	µg/m ³	V0
Potassium	0.000402	0.053320	µg/m ³	V0
Calcium	0.013042	0.027023	µg/m ³	V0
Titanium	0.000031	0.000628	µg/m ³	V0
Vanadium	0.000018	0.000178	µg/m ³	V0
Chromium	0.000045	0.001957	µg/m ³	V0
Manganese	0.000028	0.000516	µg/m ³	V0
Iron	0.001585	0.017023	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000849	µg/m ³	V0
Copper	0.000027	0.000443	µg/m ³	V0
Zinc	0.000149	0.005666	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000056	µg/m ³	V0
Strontium	0.000012	0.000170	µg/m ³	V0
Niobium	0.000006	0.000479	µg/m ³	V0
Molybdenum	0.000025	0.000115	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.000354	µg/m ³	V0
Antimony	0.000016	0.000129	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000033	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001714	µg/m ³	V0
Tungsten	0.000005	0.000172	µg/m ³	V0
Platinum	0.000004	0.000168	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000366	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221205852
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		728.9	mmHg	
Particulate Matter	0.042	3.792	µg/m ³	V0
Lithium	0.000016	0.000016	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.089991	µg/m ³	V0
Magnesium	0.000279	0.007886	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.074083	µg/m ³	V0
Potassium	0.000402	0.065754	µg/m ³	V0
Calcium	0.013042	0.027202	µg/m ³	V0
Titanium	0.000031	0.000344	µg/m ³	V0
Vanadium	0.000018	0.000112	µg/m ³	V0
Chromium	0.000045	0.000856	µg/m ³	V0
Manganese	0.000028	0.000238	µg/m ³	V0
Iron	0.001585	0.008269	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000365	µg/m ³	V0
Copper	0.000027	0.000435	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000324	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000007	µg/m ³	V0
Strontium	0.000012	0.000127	µg/m ³	V0
Niobium	0.000006	0.000029	µg/m ³	V0
Molybdenum	0.000025	0.000053	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.045002	µg/m ³	V0
Antimony	0.000016	0.000090	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000035	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000162	µg/m ³	V0
Tungsten	0.000005	0.000078	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000226	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205857
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

Filter holder came apart during sample collection and filter was dropped on the ground.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		704.3	mmHg	
Particulate Matter	0.042	5.292	µg/m ³	V0
Lithium	0.000016	0.000039	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.076013	µg/m ³	V0
Magnesium	0.000279	0.027106	µg/m ³	V0
Aluminum	0.002800	0.025308	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.025676	µg/m ³	V0
Potassium	0.000402	0.064285	µg/m ³	V0
Calcium	0.013042	0.039148	µg/m ³	V0
Titanium	0.000031	0.000870	µg/m ³	V0
Vanadium	0.000018	0.000090	µg/m ³	V0
Chromium	0.000045	0.001191	µg/m ³	V0
Manganese	0.000028	0.000568	µg/m ³	V0
Iron	0.001585	0.024562	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000316	µg/m ³	V0
Copper	0.000027	0.000366	µg/m ³	V0
Zinc	0.000149	0.003257	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000086	µg/m ³	V0
Strontium	0.000012	0.000201	µg/m ³	V0
Niobium	0.000006	0.000307	µg/m ³	V0
Molybdenum	0.000025	0.000075	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000051	µg/m ³	V0
Tin	0.000008	0.000301	µg/m ³	V0
Antimony	0.000016	0.000072	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000294	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001183	µg/m ³	V0
Tungsten	0.000005	0.000138	µg/m ³	V0
Platinum	0.000004	0.000165	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000219	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221205883
Start Date:	2022-12-07 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-12-08 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		733.1	mmHg	
Particulate Matter	0.042	7.833	µg/m ³	V0
Lithium	0.000016	0.000058	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.061104	µg/m ³	V0
Magnesium	0.000279	0.019825	µg/m ³	V0
Aluminum	0.002800	0.052222	µg/m ³	V0
Silicon	0.010200	0.021241	µg/m ³	V0
Phosphorus	0.003480	0.028647	µg/m ³	V0
Potassium	0.000402	0.044834	µg/m ³	V0
Calcium	0.013042	0.049804	µg/m ³	V0
Titanium	0.000031	0.002072	µg/m ³	V0
Vanadium	0.000018	0.000161	µg/m ³	V0
Chromium	0.000045	0.001092	µg/m ³	V0
Manganese	0.000028	0.000749	µg/m ³	V0
Iron	0.001585	0.026821	µg/m ³	V0
Cobalt	0.000005	0.000083	µg/m ³	V0
Nickel	0.000015	0.000745	µg/m ³	V0
Copper	0.000027	0.007165	µg/m ³	V4
Zinc	0.000149	0.002434	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000070	µg/m ³	V0
Strontium	0.000012	0.000335	µg/m ³	V0
Niobium	0.000006	0.000363	µg/m ³	V0
Molybdenum	0.000025	0.000092	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000147	µg/m ³	V0
Antimony	0.000016	0.000045	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000455	µg/m ³	V0
Lanthanum	0.000004	0.000037	µg/m ³	V0
Cerium	0.000013	0.000033	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002486	µg/m ³	V0
Tungsten	0.000005	0.000298	µg/m ³	V0
Platinum	0.000004	0.000378	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000109	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205901	
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		736.4	mmHg	
Particulate Matter	0.042	9.833	µg/m ³	V0
Lithium	0.000016	0.000054	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.038569	µg/m ³	V0
Magnesium	0.000279	0.006204	µg/m ³	V0
Aluminum	0.002800	0.010690	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.026550	µg/m ³	V0
Potassium	0.000402	0.086272	µg/m ³	V0
Calcium	0.013042	0.027031	µg/m ³	V0
Titanium	0.000031	0.000899	µg/m ³	V0
Vanadium	0.000018	0.000151	µg/m ³	V0
Chromium	0.000045	0.000519	µg/m ³	V0
Manganese	0.000028	0.000370	µg/m ³	V0
Iron	0.001585	0.012505	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000206	µg/m ³	V0
Copper	0.000027	0.000247	µg/m ³	V0
Zinc	0.000149	0.005628	µg/m ³	V0
Arsenic	0.000005	0.000105	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000131	µg/m ³	V0
Strontium	0.000012	0.000073	µg/m ³	V0
Niobium	0.000006	0.000163	µg/m ³	V0
Molybdenum	0.000025	0.000066	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000079	µg/m ³	V0
Tin	0.000008	0.000262	µg/m ³	V0
Antimony	0.000016	0.000104	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000102	µg/m ³	V0
Lanthanum	0.000004	0.000042	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000668	µg/m ³	V0
Tungsten	0.000005	0.000092	µg/m ³	V0
Platinum	0.000004	0.000209	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000259	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221205907
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		723.1	mmHg	
Particulate Matter	0.042	9.375	µg/m ³	V0
Lithium	0.000016	0.000030	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032344	µg/m ³	V0
Magnesium	0.000279	0.007461	µg/m ³	V0
Aluminum	0.002800	0.010843	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021389	µg/m ³	V0
Potassium	0.000402	0.087412	µg/m ³	V0
Calcium	0.013042	0.017845	µg/m ³	V0
Titanium	0.000031	0.000732	µg/m ³	V0
Vanadium	0.000018	0.000136	µg/m ³	V0
Chromium	0.000045	0.000480	µg/m ³	V0
Manganese	0.000028	0.000476	µg/m ³	V0
Iron	0.001585	0.012425	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000186	µg/m ³	V0
Copper	0.000027	0.000556	µg/m ³	V0
Zinc	0.000149	0.007562	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000134	µg/m ³	V0
Strontium	0.000012	0.000085	µg/m ³	V0
Niobium	0.000006	0.000318	µg/m ³	V0
Molybdenum	0.000025	0.000091	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000094	µg/m ³	V0
Tin	0.000008	0.000259	µg/m ³	V0
Antimony	0.000016	0.000143	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000340	µg/m ³	V0
Lanthanum	0.000004	0.000038	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001180	µg/m ³	V0
Tungsten	0.000005	0.000193	µg/m ³	V0
Platinum	0.000004	0.000173	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000230	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205926
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		739.4	mmHg	
Particulate Matter	0.042	19.208	µg/m ³	V0
Lithium	0.000016	0.000043	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.045022	µg/m ³	V0
Magnesium	0.000279	0.012194	µg/m ³	V0
Aluminum	0.002800	0.016634	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030189	µg/m ³	V0
Potassium	0.000402	0.132484	µg/m ³	V0
Calcium	0.013042	0.029628	µg/m ³	V0
Titanium	0.000031	0.000902	µg/m ³	V0
Vanadium	0.000018	0.000116	µg/m ³	V0
Chromium	0.000045	0.001096	µg/m ³	V0
Manganese	0.000028	0.000566	µg/m ³	V0
Iron	0.001585	0.016202	µg/m ³	V0
Cobalt	0.000005	0.000057	µg/m ³	V0
Nickel	0.000015	0.000459	µg/m ³	V0
Copper	0.000027	0.001509	µg/m ³	V0
Zinc	0.000149	0.012276	µg/m ³	V0
Arsenic	0.000005	0.000118	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000194	µg/m ³	V0
Strontium	0.000012	0.000110	µg/m ³	V0
Niobium	0.000006	0.002637	µg/m ³	V0
Molybdenum	0.000025	0.000130	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	0.000208	µg/m ³	V0
Tin	0.000008	0.000278	µg/m ³	V0
Antimony	0.000016	0.000228	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000819	µg/m ³	V0
Lanthanum	0.000004	0.000040	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.014813	µg/m ³	V0
Tungsten	0.000005	0.000587	µg/m ³	V0
Platinum	0.000004	0.000475	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000246	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205948
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		709.7	mmHg	
Particulate Matter	0.042	7.833	µg/m ³	V0
Lithium	0.000016	0.000024	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.023710	µg/m ³	V0
Magnesium	0.000279	0.005746	µg/m ³	V0
Aluminum	0.002800	0.006464	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030584	µg/m ³	V0
Potassium	0.000402	0.100778	µg/m ³	V0
Calcium	0.013042	0.016553	µg/m ³	V0
Titanium	0.000031	0.000574	µg/m ³	V0
Vanadium	0.000018	0.000109	µg/m ³	V0
Chromium	0.000045	0.000598	µg/m ³	V0
Manganese	0.000028	0.000279	µg/m ³	V0
Iron	0.001585	0.007126	µg/m ³	V0
Cobalt	0.000005	0.000073	µg/m ³	V0
Nickel	0.000015	0.000247	µg/m ³	V0
Copper	0.000027	0.000445	µg/m ³	V0
Zinc	0.000149	0.009126	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000178	µg/m ³	V0
Strontium	0.000012	0.000056	µg/m ³	V0
Niobium	0.000006	0.000149	µg/m ³	V0
Molybdenum	0.000025	0.000062	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000098	µg/m ³	V0
Tin	0.000008	0.000150	µg/m ³	V0
Antimony	0.000016	0.000069	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000738	µg/m ³	V0
Tungsten	0.000005	0.000122	µg/m ³	V0
Platinum	0.000004	0.000215	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000188	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205952
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		717.3	mmHg	
Particulate Matter	0.042	6.708	µg/m ³	V0
Lithium	0.000016	0.000035	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.023283	µg/m ³	V0
Magnesium	0.000279	0.006491	µg/m ³	V0
Aluminum	0.002800	0.009285	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.034815	µg/m ³	V0
Potassium	0.000402	0.070706	µg/m ³	V0
Calcium	0.013042	0.015970	µg/m ³	V0
Titanium	0.000031	0.000488	µg/m ³	V0
Vanadium	0.000018	0.000062	µg/m ³	V0
Chromium	0.000045	0.000601	µg/m ³	V0
Manganese	0.000028	0.000243	µg/m ³	V0
Iron	0.001585	0.008466	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000231	µg/m ³	V0
Copper	0.000027	0.000306	µg/m ³	V0
Zinc	0.000149	0.005878	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000094	µg/m ³	V0
Strontium	0.000012	0.000055	µg/m ³	V0
Niobium	0.000006	0.000245	µg/m ³	V0
Molybdenum	0.000025	0.000060	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000022	µg/m ³	V0
Cadmium	0.000011	0.000066	µg/m ³	V0
Tin	0.000008	0.000205	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000022	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001025	µg/m ³	V0
Tungsten	0.000005	0.000138	µg/m ³	V0
Platinum	0.000004	0.000208	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000131	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205958
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		715.2	mmHg	
Particulate Matter	0.042	7.417	µg/m ³	V0
Lithium	0.000016	0.000025	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.026764	µg/m ³	V0
Magnesium	0.000279	0.004902	µg/m ³	V0
Aluminum	0.002800	0.006698	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030096	µg/m ³	V0
Potassium	0.000402	0.074210	µg/m ³	V0
Calcium	0.013042	0.017636	µg/m ³	V0
Titanium	0.000031	0.000640	µg/m ³	V0
Vanadium	0.000018	0.000124	µg/m ³	V0
Chromium	0.000045	0.001033	µg/m ³	V0
Manganese	0.000028	0.000332	µg/m ³	V0
Iron	0.001585	0.012497	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000329	µg/m ³	V0
Copper	0.000027	0.000428	µg/m ³	V0
Zinc	0.000149	0.005041	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000113	µg/m ³	V0
Strontium	0.000012	0.000075	µg/m ³	V0
Niobium	0.000006	0.000145	µg/m ³	V0
Molybdenum	0.000025	0.000089	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	0.000081	µg/m ³	V0
Tin	0.000008	0.000170	µg/m ³	V0
Antimony	0.000016	0.000066	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000203	µg/m ³	V0
Lanthanum	0.000004	0.000044	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000731	µg/m ³	V0
Tungsten	0.000005	0.000157	µg/m ³	V0
Platinum	0.000004	0.000201	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000173	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 221206012
Start Date:	2022-12-15 13:50	End Date:	2022-12-15 13:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000043	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005027	µg/m ³	V0
Magnesium	0.000279	0.000892	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	1.044205	µg/m ³	V0
Phosphorus	0.003480	0.024216	µg/m ³	V0
Potassium	0.000402	0.023346	µg/m ³	V0
Calcium	0.013042	0.020210	µg/m ³	V0
Titanium	0.000031	0.000652	µg/m ³	V0
Vanadium	0.000018	0.000043	µg/m ³	V0
Chromium	0.000045	0.000900	µg/m ³	V0
Manganese	0.000028	0.000125	µg/m ³	V0
Iron	0.001585	0.007248	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000450	µg/m ³	V0
Copper	0.000027	0.000164	µg/m ³	V0
Zinc	0.000149	0.001747	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000009	µg/m ³	V0
Strontium	0.000012	0.000036	µg/m ³	V0
Niobium	0.000006	0.001228	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	0.000111	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000121	µg/m ³	V0
Antimony	0.000016	0.000059	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000193	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.003090	µg/m ³	V0
Tungsten	0.000005	0.000213	µg/m ³	V0
Platinum	0.000004	0.000062	µg/m ³	V0
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 221206020
Start Date:	2022-12-15 14:30	End Date:	2022-12-15 14:31	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003580	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.070041	µg/m ³	V0
Potassium	0.000402	0.037375	µg/m ³	V0
Calcium	0.013042	0.016960	µg/m ³	V0
Titanium	0.000031	0.000150	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000691	µg/m ³	V0
Manganese	0.000028	0.000054	µg/m ³	V0
Iron	0.001585	0.004188	µg/m ³	V0
Cobalt	0.000005	0.000016	µg/m ³	V0
Nickel	0.000015	0.000289	µg/m ³	V0
Copper	0.000027	0.001459	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000043	µg/m ³	V0
Molybdenum	0.000025	0.000030	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.049690	µg/m ³	V4
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000200	µg/m ³	V0
Tungsten	0.000005	0.000073	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000104	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Fort Chipewyan	Loc ID:	FTCH
Start Date:	2022-12-15 15:00	End Date:	2022-12-16 15:00
		Set Index:	1
		WBEA ID:	221206032
		Duration:	24.0 hr

Notes

Sample ran from 15:00 MST on December 15th to 15:00 MST on December 16th due to unavailable change out samples for December 13th NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-14.0	°C	
Pressure		741.7	mmHg	
Particulate Matter	0.042	1.750	µg/m ³	V6
Lithium	0.000016	0.000012	µg/m ³	V6
Beryllium	0.000013	0.000001	µg/m ³	V6
Sodium	0.000777	0.018134	µg/m ³	V6
Magnesium	0.000279	0.000000	µg/m ³	V6
Aluminum	0.002800	0.000000	µg/m ³	V6
Silicon	0.010200	0.000000	µg/m ³	V6
Phosphorus	0.003480	0.090432	µg/m ³	V6
Potassium	0.000402	0.045578	µg/m ³	V6
Calcium	0.013042	0.021293	µg/m ³	V6
Titanium	0.000031	0.000226	µg/m ³	V6
Vanadium	0.000018	0.000000	µg/m ³	V6
Chromium	0.000045	0.000780	µg/m ³	V6
Manganese	0.000028	0.000052	µg/m ³	V6
Iron	0.001585	0.005630	µg/m ³	V6
Cobalt	0.000005	0.000015	µg/m ³	V6
Nickel	0.000015	0.000199	µg/m ³	V6
Copper	0.000027	0.000121	µg/m ³	V6
Zinc	0.000149	0.000000	µg/m ³	V6
Arsenic	0.000005	0.000000	µg/m ³	V6
Selenium	0.000133	0.000045	µg/m ³	V6
Rubidium	0.000003	0.000000	µg/m ³	V6
Strontium	0.000012	0.000045	µg/m ³	V6
Niobium	0.000006	0.000032	µg/m ³	V6
Molybdenum	0.000025	0.000035	µg/m ³	V6
Palladium	0.000050	0.000011	µg/m ³	V6
Silver	0.000006	0.000001	µg/m ³	V6
Cadmium	0.000011	0.000005	µg/m ³	V6
Tin	0.000008	0.047159	µg/m ³	V6
Antimony	0.000016	0.000014	µg/m ³	V6
Cesium	0.000004	0.000000	µg/m ³	V6
Barium	0.000054	0.000018	µg/m ³	V6
Lanthanum	0.000004	0.000000	µg/m ³	V6
Cerium	0.000013	0.000000	µg/m ³	V6
Praseodymium	0.000002	0.000000	µg/m ³	V6
Neodymium	0.000005	0.000000	µg/m ³	V6
Samarium	0.000006	0.000000	µg/m ³	V6
Tantalum	0.000003	0.000162	µg/m ³	V6
Tungsten	0.000005	0.000121	µg/m ³	V6
Platinum	0.000004	0.000018	µg/m ³	V6
Thallium	0.000005	0.000011	µg/m ³	V6
Lead	0.000018	0.000033	µg/m ³	V6
Bismuth	0.000004	0.000000	µg/m ³	V6
Thorium	0.000002	0.000000	µg/m ³	V6
Uranium	0.000003	0.000000	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205992	
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		755.9	mmHg	
Particulate Matter	0.042	3.167	µg/m ³	V0
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.283548	µg/m ³	V0
Magnesium	0.000279	0.070008	µg/m ³	V0
Aluminum	0.002800	0.019684	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.027587	µg/m ³	V0
Potassium	0.000402	0.040057	µg/m ³	V0
Calcium	0.013042	0.032359	µg/m ³	V0
Titanium	0.000031	0.001031	µg/m ³	V0
Vanadium	0.000018	0.000057	µg/m ³	V0
Chromium	0.000045	0.000776	µg/m ³	V0
Manganese	0.000028	0.000386	µg/m ³	V0
Iron	0.001585	0.015501	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000323	µg/m ³	V0
Copper	0.000027	0.000428	µg/m ³	V0
Zinc	0.000149	0.001368	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000025	µg/m ³	V0
Strontium	0.000012	0.000364	µg/m ³	V0
Niobium	0.000006	0.000100	µg/m ³	V0
Molybdenum	0.000025	0.000071	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000202	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000046	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000021	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000430	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	0.000204	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000071	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221205999
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		741.5	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Lithium	0.000016	0.000053	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.268035	µg/m ³	V0
Magnesium	0.000279	0.065060	µg/m ³	V0
Aluminum	0.002800	0.012596	µg/m ³	V0
Silicon	0.010200	0.625452	µg/m ³	V0
Phosphorus	0.003480	0.026348	µg/m ³	V0
Potassium	0.000402	0.049032	µg/m ³	V0
Calcium	0.013042	0.051339	µg/m ³	V0
Titanium	0.000031	0.002602	µg/m ³	V0
Vanadium	0.000018	0.001005	µg/m ³	V0
Chromium	0.000045	0.000950	µg/m ³	V0
Manganese	0.000028	0.000516	µg/m ³	V0
Iron	0.001585	0.011901	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000543	µg/m ³	V0
Copper	0.000027	0.000359	µg/m ³	V0
Zinc	0.000149	0.001654	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000038	µg/m ³	V0
Strontium	0.000012	0.000382	µg/m ³	V0
Niobium	0.000006	0.000703	µg/m ³	V0
Molybdenum	0.000025	0.000165	µg/m ³	V0
Palladium	0.000050	0.000069	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000288	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000064	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002153	µg/m ³	V0
Tungsten	0.000005	0.000144	µg/m ³	V0
Platinum	0.000004	0.000107	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000113	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206004
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		732.7	mmHg	
Particulate Matter	0.042	5.333	µg/m ³	V0
Lithium	0.000016	0.000069	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.897409	µg/m ³	V0
Magnesium	0.000279	0.154136	µg/m ³	V0
Aluminum	0.002800	0.004778	µg/m ³	V0
Silicon	0.010200	0.974801	µg/m ³	V0
Phosphorus	0.003480	0.023294	µg/m ³	V0
Potassium	0.000402	0.072140	µg/m ³	V0
Calcium	0.013042	0.070240	µg/m ³	V0
Titanium	0.000031	0.000757	µg/m ³	V0
Vanadium	0.000018	0.000125	µg/m ³	V0
Chromium	0.000045	0.000871	µg/m ³	V0
Manganese	0.000028	0.000215	µg/m ³	V0
Iron	0.001585	0.008300	µg/m ³	V0
Cobalt	0.000005	0.000034	µg/m ³	V0
Nickel	0.000015	0.000663	µg/m ³	V0
Copper	0.000027	0.000351	µg/m ³	V0
Zinc	0.000149	0.001805	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000035	µg/m ³	V0
Strontium	0.000012	0.001205	µg/m ³	V0
Niobium	0.000006	0.001004	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	0.000100	µg/m ³	V0
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000155	µg/m ³	V0
Antimony	0.000016	0.000077	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002530	µg/m ³	V0
Tungsten	0.000005	0.000154	µg/m ³	V0
Platinum	0.000004	0.000079	µg/m ³	V0
Thallium	0.000005	0.000023	µg/m ³	V0
Lead	0.000018	0.000098	µg/m ³	V0
Bismuth	0.000004	0.000038	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM2.5 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00
		Set Index:	1
		WBEA ID:	221206016
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		727.3	mmHg	
Particulate Matter	0.042	5.333	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.909331	µg/m ³	V0
Magnesium	0.000279	0.157690	µg/m ³	V0
Aluminum	0.002800	0.007876	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.026462	µg/m ³	V0
Potassium	0.000402	0.067464	µg/m ³	V0
Calcium	0.013042	0.062838	µg/m ³	V0
Titanium	0.000031	0.000729	µg/m ³	V0
Vanadium	0.000018	0.000054	µg/m ³	V0
Chromium	0.000045	0.000775	µg/m ³	V0
Manganese	0.000028	0.000164	µg/m ³	V0
Iron	0.001585	0.007221	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000277	µg/m ³	V0
Copper	0.000027	0.000178	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.001187	µg/m ³	V0
Niobium	0.000006	0.000652	µg/m ³	V0
Molybdenum	0.000025	0.000088	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000304	µg/m ³	V0
Antimony	0.000016	0.000078	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001929	µg/m ³	V0
Tungsten	0.000005	0.000360	µg/m ³	V0
Platinum	0.000004	0.000157	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000056	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000030	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206027
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		723.4	mmHg	
Particulate Matter	0.042	5.167	µg/m ³	V0
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.648673	µg/m ³	V0
Magnesium	0.000279	0.154366	µg/m ³	V0
Aluminum	0.002800	0.009431	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.027554	µg/m ³	V0
Potassium	0.000402	0.060644	µg/m ³	V0
Calcium	0.013042	0.057144	µg/m ³	V0
Titanium	0.000031	0.000482	µg/m ³	V0
Vanadium	0.000018	0.000095	µg/m ³	V0
Chromium	0.000045	0.000775	µg/m ³	V0
Manganese	0.000028	0.000149	µg/m ³	V0
Iron	0.001585	0.009539	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000265	µg/m ³	V0
Copper	0.000027	0.001197	µg/m ³	V0
Zinc	0.000149	0.001941	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000027	µg/m ³	V0
Strontium	0.000012	0.000860	µg/m ³	V0
Niobium	0.000006	0.001586	µg/m ³	V0
Molybdenum	0.000025	0.000208	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000035	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000259	µg/m ³	V0
Antimony	0.000016	0.000169	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.008440	µg/m ³	V0
Tungsten	0.000005	0.004033	µg/m ³	V0
Platinum	0.000004	0.000150	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000109	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221206042
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		758.6	mmHg	
Particulate Matter	0.042	12.000	µg/m ³	V0
Lithium	0.000016	0.000246	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.385297	µg/m ³	V0
Magnesium	0.000279	0.126767	µg/m ³	V0
Aluminum	0.002800	0.162668	µg/m ³	V0
Silicon	0.010200	0.547926	µg/m ³	V0
Phosphorus	0.003480	0.030093	µg/m ³	V0
Potassium	0.000402	0.152240	µg/m ³	V0
Calcium	0.013042	0.591860	µg/m ³	V4
Titanium	0.000031	0.007739	µg/m ³	V0
Vanadium	0.000018	0.000967	µg/m ³	V0
Chromium	0.000045	0.000762	µg/m ³	V0
Manganese	0.000028	0.004380	µg/m ³	V4
Iron	0.001585	0.132396	µg/m ³	V0
Cobalt	0.000005	0.000125	µg/m ³	V0
Nickel	0.000015	0.000795	µg/m ³	V0
Copper	0.000027	0.000901	µg/m ³	V0
Zinc	0.000149	0.008022	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000582	µg/m ³	V0
Strontium	0.000012	0.001550	µg/m ³	V0
Niobium	0.000006	0.000497	µg/m ³	V0
Molybdenum	0.000025	0.000261	µg/m ³	V0
Palladium	0.000050	0.000070	µg/m ³	V0
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000325	µg/m ³	V0
Antimony	0.000016	0.000085	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.002238	µg/m ³	V0
Lanthanum	0.000004	0.000094	µg/m ³	V0
Cerium	0.000013	0.000209	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000094	µg/m ³	V4
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.001530	µg/m ³	V0
Tungsten	0.000005	0.000195	µg/m ³	V0
Platinum	0.000004	0.000128	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000181	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000029	µg/m ³	V0
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206049
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		753.0	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Lithium	0.000016	0.000029	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.501967	µg/m ³	V0
Magnesium	0.000279	0.077473	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.070780	µg/m ³	V0
Potassium	0.000402	0.066777	µg/m ³	V0
Calcium	0.013042	0.043241	µg/m ³	V0
Titanium	0.000031	0.000207	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000632	µg/m ³	V0
Manganese	0.000028	0.000093	µg/m ³	V0
Iron	0.001585	0.003493	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000205	µg/m ³	V0
Copper	0.000027	0.000190	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000469	µg/m ³	V0
Niobium	0.000006	0.000052	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.051902	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000255	µg/m ³	V0
Tungsten	0.000005	0.000087	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000053	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206060
Start Date:	2022-12-20 12:35	End Date:	2022-12-20 12:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000029	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008495	µg/m ³	V0
Magnesium	0.000279	0.004438	µg/m ³	V0
Aluminum	0.002800	0.116906	µg/m ³	V0
Silicon	0.010200	0.207214	µg/m ³	V0
Phosphorus	0.003480	0.025945	µg/m ³	V0
Potassium	0.000402	0.025622	µg/m ³	V0
Calcium	0.013042	0.021003	µg/m ³	V0
Titanium	0.000031	0.000463	µg/m ³	V0
Vanadium	0.000018	0.000065	µg/m ³	V0
Chromium	0.000045	0.000948	µg/m ³	V0
Manganese	0.000028	0.000355	µg/m ³	V0
Iron	0.001585	0.020910	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000297	µg/m ³	V0
Copper	0.000027	0.000566	µg/m ³	V0
Zinc	0.000149	0.010555	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000009	µg/m ³	V0
Strontium	0.000012	0.000028	µg/m ³	V0
Niobium	0.000006	0.000470	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	0.000055	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000478	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001533	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	0.000140	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000039	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206056
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		716.0	mmHg	
Particulate Matter	0.042	3.833	µg/m ³	V0
Lithium	0.000016	0.000040	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.068146	µg/m ³	V0
Magnesium	0.000279	0.017468	µg/m ³	V0
Aluminum	0.002800	0.009000	µg/m ³	V0
Silicon	0.010200	0.125265	µg/m ³	V0
Phosphorus	0.003480	0.027041	µg/m ³	V0
Potassium	0.000402	0.047442	µg/m ³	V0
Calcium	0.013042	0.030611	µg/m ³	V0
Titanium	0.000031	0.000890	µg/m ³	V0
Vanadium	0.000018	0.000605	µg/m ³	V0
Chromium	0.000045	0.000884	µg/m ³	V0
Manganese	0.000028	0.000363	µg/m ³	V0
Iron	0.001585	0.011591	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000422	µg/m ³	V0
Copper	0.000027	0.000687	µg/m ³	V0
Zinc	0.000149	0.002660	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000043	µg/m ³	V0
Strontium	0.000012	0.000141	µg/m ³	V0
Niobium	0.000006	0.000348	µg/m ³	V0
Molybdenum	0.000025	0.000187	µg/m ³	V0
Palladium	0.000050	0.000060	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000417	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000054	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001214	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	0.000144	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000093	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206066
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Heavy flurries during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		712.8	mmHg	
Particulate Matter	0.042	1.958	µg/m ³	V0
Lithium	0.000016	0.000025	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.021523	µg/m ³	V0
Magnesium	0.000279	0.002918	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.108566	µg/m ³	V0
Phosphorus	0.003480	0.028780	µg/m ³	V0
Potassium	0.000402	0.034098	µg/m ³	V0
Calcium	0.013042	0.016364	µg/m ³	V0
Titanium	0.000031	0.000470	µg/m ³	V0
Vanadium	0.000018	0.000058	µg/m ³	V0
Chromium	0.000045	0.001840	µg/m ³	V0
Manganese	0.000028	0.000169	µg/m ³	V0
Iron	0.001585	0.009580	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000572	µg/m ³	V0
Copper	0.000027	0.000104	µg/m ³	V0
Zinc	0.000149	0.000607	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000021	µg/m ³	V0
Strontium	0.000012	0.000037	µg/m ³	V0
Niobium	0.000006	0.000401	µg/m ³	V0
Molybdenum	0.000025	0.000063	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000238	µg/m ³	V0
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001532	µg/m ³	V0
Tungsten	0.000005	0.000086	µg/m ³	V0
Platinum	0.000004	0.000148	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000049	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206075
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Light flurries during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		721.4	mmHg	
Particulate Matter	0.042	1.500	µg/m ³	V0
Lithium	0.000016	0.000027	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035334	µg/m ³	V0
Magnesium	0.000279	0.005907	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.014141	µg/m ³	V0
Phosphorus	0.003480	0.028844	µg/m ³	V0
Potassium	0.000402	0.031815	µg/m ³	V0
Calcium	0.013042	0.020149	µg/m ³	V0
Titanium	0.000031	0.000449	µg/m ³	V0
Vanadium	0.000018	0.000198	µg/m ³	V0
Chromium	0.000045	0.001154	µg/m ³	V0
Manganese	0.000028	0.000176	µg/m ³	V0
Iron	0.001585	0.008800	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000337	µg/m ³	V0
Copper	0.000027	0.000322	µg/m ³	V0
Zinc	0.000149	0.000654	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000013	µg/m ³	V0
Strontium	0.000012	0.000051	µg/m ³	V0
Niobium	0.000006	0.000538	µg/m ³	V0
Molybdenum	0.000025	0.000065	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000291	µg/m ³	V0
Antimony	0.000016	0.000066	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001798	µg/m ³	V0
Tungsten	0.000005	0.000441	µg/m ³	V0
Platinum	0.000004	0.000165	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000074	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221206087
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		746.5	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.070660	µg/m ³	V0
Magnesium	0.000279	0.018461	µg/m ³	V0
Aluminum	0.002800	0.008248	µg/m ³	V0
Silicon	0.010200	0.351475	µg/m ³	V0
Phosphorus	0.003480	0.025944	µg/m ³	V0
Potassium	0.000402	0.084386	µg/m ³	V0
Calcium	0.013042	0.025766	µg/m ³	V0
Titanium	0.000031	0.000981	µg/m ³	V0
Vanadium	0.000018	0.000503	µg/m ³	V0
Chromium	0.000045	0.000551	µg/m ³	V0
Manganese	0.000028	0.000674	µg/m ³	V0
Iron	0.001585	0.013196	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000298	µg/m ³	V0
Copper	0.000027	0.115270	µg/m ³	V4
Zinc	0.000149	0.006474	µg/m ³	V0
Arsenic	0.000005	0.000045	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000150	µg/m ³	V0
Strontium	0.000012	0.000150	µg/m ³	V0
Niobium	0.000006	0.000489	µg/m ³	V0
Molybdenum	0.000025	0.000148	µg/m ³	V0
Palladium	0.000050	0.000062	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000029	µg/m ³	V0
Tin	0.000008	0.000235	µg/m ³	V0
Antimony	0.000016	0.000082	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000356	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	0.000013	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001415	µg/m ³	V0
Tungsten	0.000005	0.000107	µg/m ³	V0
Platinum	0.000004	0.000123	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000173	µg/m ³	V0
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206103
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		729.7	mmHg	
Particulate Matter	0.042	4.417	µg/m ³	V0
Lithium	0.000016	0.000029	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.069217	µg/m ³	V0
Magnesium	0.000279	0.011723	µg/m ³	V0
Aluminum	0.002800	0.016501	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.025452	µg/m ³	V0
Potassium	0.000402	0.035494	µg/m ³	V0
Calcium	0.013042	0.026957	µg/m ³	V0
Titanium	0.000031	0.001237	µg/m ³	V0
Vanadium	0.000018	0.000443	µg/m ³	V0
Chromium	0.000045	0.000733	µg/m ³	V0
Manganese	0.000028	0.000375	µg/m ³	V0
Iron	0.001585	0.032361	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000337	µg/m ³	V0
Copper	0.000027	0.000247	µg/m ³	V0
Zinc	0.000149	0.003950	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000030	µg/m ³	V0
Strontium	0.000012	0.000108	µg/m ³	V0
Niobium	0.000006	0.000521	µg/m ³	V0
Molybdenum	0.000025	0.000168	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000205	µg/m ³	V0
Antimony	0.000016	0.000072	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000118	µg/m ³	V0
Lanthanum	0.000004	0.000025	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001643	µg/m ³	V0
Tungsten	0.000005	0.000413	µg/m ³	V0
Platinum	0.000004	0.000171	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000067	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000041	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206118	
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		743.9	mmHg	
Particulate Matter	0.042	2.833	µg/m ³	V0
Lithium	0.000016	0.000067	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.082459	µg/m ³	V0
Magnesium	0.000279	0.019787	µg/m ³	V0
Aluminum	0.002800	0.045886	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.023184	µg/m ³	V0
Potassium	0.000402	0.039034	µg/m ³	V0
Calcium	0.013042	0.034829	µg/m ³	V0
Titanium	0.000031	0.001981	µg/m ³	V0
Vanadium	0.000018	0.000358	µg/m ³	V0
Chromium	0.000045	0.001256	µg/m ³	V0
Manganese	0.000028	0.000561	µg/m ³	V0
Iron	0.001585	0.027756	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000354	µg/m ³	V0
Copper	0.000027	0.000583	µg/m ³	V0
Zinc	0.000149	0.001443	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000057	µg/m ³	V0
Strontium	0.000012	0.000181	µg/m ³	V0
Niobium	0.000006	0.000381	µg/m ³	V0
Molybdenum	0.000025	0.000117	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000252	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000213	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000037	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001231	µg/m ³	V0
Tungsten	0.000005	0.000221	µg/m ³	V0
Platinum	0.000004	0.000168	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000081	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206178
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		740.0	mmHg	
Particulate Matter	0.042	0.542	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.055610	µg/m ³	V0
Magnesium	0.000279	0.000796	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.085923	µg/m ³	V0
Potassium	0.000402	0.044588	µg/m ³	V0
Calcium	0.013042	0.021092	µg/m ³	V0
Titanium	0.000031	0.000326	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000836	µg/m ³	V0
Manganese	0.000028	0.000119	µg/m ³	V0
Iron	0.001585	0.004706	µg/m ³	V0
Cobalt	0.000005	0.000095	µg/m ³	V0
Nickel	0.000015	0.000370	µg/m ³	V0
Copper	0.000027	0.000818	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000048	µg/m ³	V0
Niobium	0.000006	0.000035	µg/m ³	V0
Molybdenum	0.000025	0.000027	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.048312	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000114	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000184	µg/m ³	V0
Tungsten	0.000005	0.000147	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000088	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM2.5 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 221206161
Start Date:	2022-12-28 11:00	End Date:	2022-12-28 11:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.250	µg/m ³	V0
Lithium	0.000016	0.000026	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008129	µg/m ³	V0
Magnesium	0.000279	0.000596	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.018516	µg/m ³	V0
Potassium	0.000402	0.026397	µg/m ³	V0
Calcium	0.013042	0.017684	µg/m ³	V0
Titanium	0.000031	0.000534	µg/m ³	V0
Vanadium	0.000018	0.000090	µg/m ³	V0
Chromium	0.000045	0.000434	µg/m ³	V0
Manganese	0.000028	0.000064	µg/m ³	V0
Iron	0.001585	0.004549	µg/m ³	V0
Cobalt	0.000005	0.000011	µg/m ³	V0
Nickel	0.000015	0.000131	µg/m ³	V0
Copper	0.000027	0.000133	µg/m ³	V0
Zinc	0.000149	0.000786	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000049	µg/m ³	V0
Niobium	0.000006	0.000257	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000672	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001249	µg/m ³	V0
Tungsten	0.000005	0.000098	µg/m ³	V0
Platinum	0.000004	0.000193	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000606	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206134
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

Slightly elevated PM2.5 throughout the day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		713.8	mmHg	
Particulate Matter	0.042	11.625	µg/m ³	V0
Lithium	0.000016	0.000104	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.090365	µg/m ³	V0
Magnesium	0.000279	0.038030	µg/m ³	V0
Aluminum	0.002800	0.083239	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.023509	µg/m ³	V0
Potassium	0.000402	2.596627	µg/m ³	V4
Calcium	0.013042	3.847545	µg/m ³	V4
Titanium	0.000031	0.008948	µg/m ³	V0
Vanadium	0.000018	0.000164	µg/m ³	V0
Chromium	0.000045	0.008008	µg/m ³	V4
Manganese	0.000028	0.000566	µg/m ³	V0
Iron	0.001585	0.012724	µg/m ³	V0
Cobalt	0.000005	0.000067	µg/m ³	V0
Nickel	0.000015	0.001240	µg/m ³	V0
Copper	0.000027	0.001728	µg/m ³	V0
Zinc	0.000149	0.036441	µg/m ³	V4
Arsenic	0.000005	0.000153	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000199	µg/m ³	V0
Strontium	0.000012	0.017104	µg/m ³	V4
Niobium	0.000006	0.000369	µg/m ³	V0
Molybdenum	0.000025	0.000174	µg/m ³	V0
Palladium	0.000050	0.000200	µg/m ³	V0
Silver	0.000006	0.000043	µg/m ³	V0
Cadmium	0.000011	0.000052	µg/m ³	V0
Tin	0.000008	0.000492	µg/m ³	V0
Antimony	0.000016	0.000142	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001391	µg/m ³	V0
Lanthanum	0.000004	0.000058	µg/m ³	V0
Cerium	0.000013	0.000035	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001322	µg/m ³	V0
Tungsten	0.000005	0.000181	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000496	µg/m ³	V0
Bismuth	0.000004	0.000055	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000017	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221206141
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		729.9	mmHg	
Particulate Matter	0.042	12.042	µg/m ³	V0
Lithium	0.000016	0.000068	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.049163	µg/m ³	V0
Magnesium	0.000279	0.009274	µg/m ³	V0
Aluminum	0.002800	0.014837	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.029770	µg/m ³	V0
Potassium	0.000402	0.089766	µg/m ³	V0
Calcium	0.013042	0.022610	µg/m ³	V0
Titanium	0.000031	0.001300	µg/m ³	V0
Vanadium	0.000018	0.000284	µg/m ³	V0
Chromium	0.000045	0.000566	µg/m ³	V0
Manganese	0.000028	0.000303	µg/m ³	V0
Iron	0.001585	0.014118	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000197	µg/m ³	V0
Copper	0.000027	0.000537	µg/m ³	V0
Zinc	0.000149	0.004471	µg/m ³	V0
Arsenic	0.000005	0.000360	µg/m ³	V0
Selenium	0.000133	0.000222	µg/m ³	V0
Rubidium	0.000003	0.000149	µg/m ³	V0
Strontium	0.000012	0.000163	µg/m ³	V0
Niobium	0.000006	0.001075	µg/m ³	V0
Molybdenum	0.000025	0.000186	µg/m ³	V0
Palladium	0.000050	0.000119	µg/m ³	V0
Silver	0.000006	0.000063	µg/m ³	V0
Cadmium	0.000011	0.000068	µg/m ³	V0
Tin	0.000008	0.000512	µg/m ³	V0
Antimony	0.000016	0.000298	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000991	µg/m ³	V0
Lanthanum	0.000004	0.000078	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.007286	µg/m ³	V0
Tungsten	0.000005	0.000533	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000055	µg/m ³	V0
Lead	0.000018	0.000310	µg/m ³	V0
Bismuth	0.000004	0.000071	µg/m ³	V0
Thorium	0.000002	0.000035	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206147
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.7	°C	
Pressure		701.7	mmHg	
Particulate Matter	0.042	9.125	µg/m ³	V0
Lithium	0.000016	0.000026	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018377	µg/m ³	V0
Magnesium	0.000279	0.004465	µg/m ³	V0
Aluminum	0.002800	0.006630	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.018985	µg/m ³	V0
Potassium	0.000402	0.045105	µg/m ³	V0
Calcium	0.013042	0.019698	µg/m ³	V0
Titanium	0.000031	0.000991	µg/m ³	V0
Vanadium	0.000018	0.000130	µg/m ³	V0
Chromium	0.000045	0.000850	µg/m ³	V0
Manganese	0.000028	0.000201	µg/m ³	V0
Iron	0.001585	0.009406	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000153	µg/m ³	V0
Copper	0.000027	0.000278	µg/m ³	V0
Zinc	0.000149	0.001387	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000047	µg/m ³	V0
Strontium	0.000012	0.000038	µg/m ³	V0
Niobium	0.000006	0.000267	µg/m ³	V0
Molybdenum	0.000025	0.000124	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000380	µg/m ³	V0
Antimony	0.000016	0.000051	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001123	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	0.000181	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000102	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206154
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.4	°C	
Pressure		699.2	mmHg	
Particulate Matter	0.042	12.417	µg/m ³	V0
Lithium	0.000016	0.000023	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011086	µg/m ³	V0
Magnesium	0.000279	0.000676	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.020852	µg/m ³	V0
Potassium	0.000402	0.059366	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000473	µg/m ³	V0
Vanadium	0.000018	0.000130	µg/m ³	V0
Chromium	0.000045	0.000553	µg/m ³	V0
Manganese	0.000028	0.000066	µg/m ³	V0
Iron	0.001585	0.005049	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000218	µg/m ³	V0
Copper	0.000027	0.000138	µg/m ³	V0
Zinc	0.000149	0.003211	µg/m ³	V0
Arsenic	0.000005	0.000040	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000088	µg/m ³	V0
Strontium	0.000012	0.000031	µg/m ³	V0
Niobium	0.000006	0.000329	µg/m ³	V0
Molybdenum	0.000025	0.000060	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000044	µg/m ³	V0
Tin	0.000008	0.000414	µg/m ³	V0
Antimony	0.000016	0.000082	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000254	µg/m ³	V0
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001350	µg/m ³	V0
Tungsten	0.000005	0.000106	µg/m ³	V0
Platinum	0.000004	0.000180	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000305	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206165
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.3	°C	
Pressure		707.3	mmHg	
Particulate Matter	0.042	9.708	µg/m ³	V0
Lithium	0.000016	0.000027	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011242	µg/m ³	V0
Magnesium	0.000279	0.005114	µg/m ³	V0
Aluminum	0.002800	0.009625	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021415	µg/m ³	V0
Potassium	0.000402	0.057057	µg/m ³	V0
Calcium	0.013042	0.021932	µg/m ³	V0
Titanium	0.000031	0.000459	µg/m ³	V0
Vanadium	0.000018	0.000111	µg/m ³	V0
Chromium	0.000045	0.001411	µg/m ³	V0
Manganese	0.000028	0.000180	µg/m ³	V0
Iron	0.001585	0.011786	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000364	µg/m ³	V0
Copper	0.000027	0.000295	µg/m ³	V0
Zinc	0.000149	0.002994	µg/m ³	V0
Arsenic	0.000005	0.000047	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000075	µg/m ³	V0
Strontium	0.000012	0.000079	µg/m ³	V0
Niobium	0.000006	0.001326	µg/m ³	V0
Molybdenum	0.000025	0.000384	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000066	µg/m ³	V0
Cadmium	0.000011	0.000048	µg/m ³	V0
Tin	0.000008	0.000411	µg/m ³	V0
Antimony	0.000016	0.000202	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000191	µg/m ³	V0
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.006305	µg/m ³	V0
Tungsten	0.000005	0.004954	µg/m ³	V0
Platinum	0.000004	0.000146	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000175	µg/m ³	V0
Bismuth	0.000004	0.000033	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM2.5 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221206195
Start Date:	2022-12-31 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2023-01-01 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.7	°C	
Pressure		727.2	mmHg	
Particulate Matter	0.042	11.833	µg/m ³	V0
Lithium	0.000016	0.000078	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.047095	µg/m ³	V0
Magnesium	0.000279	0.014688	µg/m ³	V0
Aluminum	0.002800	0.025374	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.031761	µg/m ³	V0
Potassium	0.000402	0.160023	µg/m ³	V0
Calcium	0.013042	0.033667	µg/m ³	V0
Titanium	0.000031	0.002245	µg/m ³	V0
Vanadium	0.000018	0.000897	µg/m ³	V0
Chromium	0.000045	0.000903	µg/m ³	V0
Manganese	0.000028	0.000818	µg/m ³	V0
Iron	0.001585	0.017882	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000431	µg/m ³	V0
Copper	0.000027	0.001577	µg/m ³	V0
Zinc	0.000149	0.006291	µg/m ³	V0
Arsenic	0.000005	0.000180	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000196	µg/m ³	V0
Strontium	0.000012	0.000925	µg/m ³	V0
Niobium	0.000006	0.000584	µg/m ³	V0
Molybdenum	0.000025	0.000206	µg/m ³	V0
Palladium	0.000050	0.000075	µg/m ³	V0
Silver	0.000006	0.000027	µg/m ³	V0
Cadmium	0.000011	0.000075	µg/m ³	V0
Tin	0.000008	0.000170	µg/m ³	V0
Antimony	0.000016	0.000282	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.003045	µg/m ³	V0
Lanthanum	0.000004	0.000112	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002351	µg/m ³	V0
Tungsten	0.000005	0.000193	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000495	µg/m ³	V0
Bismuth	0.000004	0.000425	µg/m ³	V4
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM2.5 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206213
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		723.6	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017019	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.092654	µg/m ³	V0
Potassium	0.000402	0.058857	µg/m ³	V0
Calcium	0.013042	0.022725	µg/m ³	V0
Titanium	0.000031	0.000356	µg/m ³	V0
Vanadium	0.000018	0.000106	µg/m ³	V0
Chromium	0.000045	0.000522	µg/m ³	V0
Manganese	0.000028	0.000122	µg/m ³	V0
Iron	0.001585	0.005109	µg/m ³	V0
Cobalt	0.000005	0.000016	µg/m ³	V0
Nickel	0.000015	0.000155	µg/m ³	V0
Copper	0.000027	0.000274	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000016	µg/m ³	V0
Strontium	0.000012	0.000050	µg/m ³	V0
Niobium	0.000006	0.000037	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.047284	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000115	µg/m ³	V0
Lanthanum	0.000004	0.000083	µg/m ³	V0
Cerium	0.000013	0.000111	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000181	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000091	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100057
Start Date:	2022-01-04 15:25	End Date:	2022-01-04 15:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0001	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100003
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-27.0	°C	
Pressure		729.9	mmHg	
Particulate Matter	0.042	6.833	µg/m ³	V0
Sodium Ion	0.0006	0.7940	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0520	µg/m ³	V0
Magnesium Ion	0.00005	0.0884	µg/m ³	V0
Calcium Ion	0.0021	0.0865	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	0.8947	µg/m ³	V0
Nitrate Ion	0.0002	1.1005	µg/m ³	V0
Sulphate Ion	0.0001	1.0244	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	22010009
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		756.7	mmHg	
Particulate Matter	0.042	7.292	µg/m ³	V0
Sodium Ion	0.0006	0.9733	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0312	µg/m ³	V0
Magnesium Ion	0.00005	0.1715	µg/m ³	V0
Calcium Ion	0.0021	0.0872	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	1.4085	µg/m ³	V0
Nitrate Ion	0.0002	0.9615	µg/m ³	V0
Sulphate Ion	0.0001	0.6630	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Patricia McInnes**
Start Date: **2022-01-05 00:00**

Samp Use: **Exposure**
Loc ID: **PATM**
End Date: **2022-01-06 00:00**

Set Index: **1**
WBEA ID: **220100017**
Duration: **24.0 hr**

Notes

Low sample volume due to suspected failing pump.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.8	m ³	V6
Temperature		-30.0	°C	
Pressure		740.0	mmHg	
Particulate Matter	0.042	5.504	µg/m ³	V0
Sodium Ion	0.0006	0.7827	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0174	µg/m ³	V0
Magnesium Ion	0.00005	0.1297	µg/m ³	V0
Calcium Ion	0.0021	0.0486	µg/m ³	V0
Fluoride Ion	0.00001	0.0019	µg/m ³	V0
Chloride Ion	0.0014	1.2011	µg/m ³	V0
Nitrate Ion	0.0002	0.7444	µg/m ³	V0
Sulphate Ion	0.0001	0.5285	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-01-05 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-01-06 00:00

Set Index: 1
WBEA ID: 220100024
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		751.7	mmHg	
Particulate Matter	0.042	5.750	µg/m ³	V0
Sodium Ion	0.0006	0.5582	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0718	µg/m ³	V0
Calcium Ion	0.0021	0.0728	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.7840	µg/m ³	V0
Nitrate Ion	0.0002	0.5706	µg/m ³	V0
Sulphate Ion	0.0001	0.4048	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100031
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-30.0	°C	
Pressure		751.3	mmHg	
Particulate Matter	0.042	8.417	µg/m ³	V0
Sodium Ion	0.0006	0.7467	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0299	µg/m ³	V0
Magnesium Ion	0.00005	0.1109	µg/m ³	V0
Calcium Ion	0.0021	0.0785	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	1.0363	µg/m ³	V0
Nitrate Ion	0.0002	0.9386	µg/m ³	V0
Sulphate Ion	0.0001	0.5055	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100043
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		724.0	mmHg	
Particulate Matter	0.042	5.667	µg/m ³	V0
Sodium Ion	0.0006	0.5915	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0119	µg/m ³	V0
Magnesium Ion	0.00005	0.1027	µg/m ³	V0
Calcium Ion	0.0021	0.0517	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	0.8050	µg/m ³	V0
Nitrate Ion	0.0002	0.5673	µg/m ³	V0
Sulphate Ion	0.0001	0.7262	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100061
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		729.8	mmHg	
Particulate Matter	0.042	5.042	µg/m ³	V0
Sodium Ion	0.0006	0.6311	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0436	µg/m ³	V0
Magnesium Ion	0.00005	0.0845	µg/m ³	V0
Calcium Ion	0.0021	0.0560	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.7414	µg/m ³	V0
Nitrate Ion	0.0002	0.8403	µg/m ³	V0
Sulphate Ion	0.0001	0.8030	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Ells River**
Start Date: **2022-01-05 00:00**

Samp Use: **Exposure**
Loc ID: **ELSR**
End Date: **2022-01-06 00:00**

Set Index: **1**
WBEA ID: **220100072**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		747.6	mmHg	
Particulate Matter	0.042	4.958	µg/m ³	V0
Sodium Ion	0.0006	0.6427	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0916	µg/m ³	V0
Calcium Ion	0.0021	0.0740	µg/m ³	V0
Fluoride Ion	0.00001	0.0029	µg/m ³	V0
Chloride Ion	0.0014	0.9906	µg/m ³	V0
Nitrate Ion	0.0002	0.6730	µg/m ³	V0
Sulphate Ion	0.0001	0.4672	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100081
Start Date:	2022-01-06 12:05	End Date:	2022-01-06 12:06	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.417	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100021
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		728.0	mmHg	
Particulate Matter	0.042	8.750	µg/m ³	V0
Sodium Ion	0.0006	0.2693	µg/m ³	V0
Ammonium Ion	0.00004	0.0050	µg/m ³	V0
Potassium Ion	0.0001	0.0348	µg/m ³	V0
Magnesium Ion	0.00005	0.0387	µg/m ³	V0
Calcium Ion	0.0021	0.1032	µg/m ³	V0
Fluoride Ion	0.00001	0.0018	µg/m ³	V0
Chloride Ion	0.0014	0.0125	µg/m ³	V0
Nitrate Ion	0.0002	1.0632	µg/m ³	V0
Sulphate Ion	0.0001	1.2568	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-01-11 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-01-12 00:00

Set Index: 1
WBEA ID: 220100075
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		731.3	mmHg	
Particulate Matter	0.042	12.292	µg/m ³	V0
Sodium Ion	0.0006	0.2700	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0577	µg/m ³	V0
Magnesium Ion	0.00005	0.0612	µg/m ³	V0
Calcium Ion	0.0021	0.1782	µg/m ³	V0
Fluoride Ion	0.00001	0.0013	µg/m ³	V0
Chloride Ion	0.0014	0.0138	µg/m ³	V0
Nitrate Ion	0.0002	1.2035	µg/m ³	V0
Sulphate Ion	0.0001	1.3246	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100085
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		731.9	mmHg	
Particulate Matter	0.042	12.708	µg/m ³	V0
Sodium Ion	0.0006	0.2116	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0212	µg/m ³	V0
Magnesium Ion	0.00005	0.0402	µg/m ³	V0
Calcium Ion	0.0021	0.2023	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0138	µg/m ³	V0
Nitrate Ion	0.0002	0.7554	µg/m ³	V0
Sulphate Ion	0.0001	1.0824	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100103
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.2	°C	
Pressure		705.4	mmHg	
Particulate Matter	0.042	6.208	µg/m ³	V0
Sodium Ion	0.0006	0.2378	µg/m ³	V0
Ammonium Ion	0.00004	0.2438	µg/m ³	V0
Potassium Ion	0.0001	0.0872	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0345	µg/m ³	V0
Fluoride Ion	0.00001	0.0027	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.5538	µg/m ³	V0
Sulphate Ion	0.0001	1.9304	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion** Samp Use: **Exposure** Set Index: **1**
Location: **Patricia McInnes** Loc ID: **PATM** WBEA ID: **220100107**
Start Date: **2022-01-11 00:00** End Date: **2022-01-12 00:00** Duration: **24.0 hr**

Notes

Upon collection of the sample, partisol had flow and sample period status codes. Status codes due to failing pump. Total sampling time = 24:00, Valid sampling time = 10:14.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		22.7	m ³	V6
Temperature		-16.0	°C	
Pressure		718.7	mmHg	
Particulate Matter	0.042	4.581	µg/m ³	V0
Sodium Ion	0.0006	0.1905	µg/m ³	V0
Ammonium Ion	0.00004	0.1034	µg/m ³	V0
Potassium Ion	0.0001	0.0455	µg/m ³	V0
Magnesium Ion	0.00005	0.0288	µg/m ³	V0
Calcium Ion	0.0021	0.0309	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.0028	µg/m ³	V0
Sulphate Ion	0.0001	1.3273	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100116
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		709.9	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Sodium Ion	0.0006	0.2353	µg/m ³	V0
Ammonium Ion	0.00004	0.1987	µg/m ³	V0
Potassium Ion	0.0001	0.0491	µg/m ³	V0
Magnesium Ion	0.00005	0.0386	µg/m ³	V0
Calcium Ion	0.0021	0.0338	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.8600	µg/m ³	V0
Sulphate Ion	0.0001	1.5822	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100120
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		711.2	mmHg	
Particulate Matter	0.042	4.833	µg/m ³	V0
Sodium Ion	0.0006	0.2436	µg/m ³	V0
Ammonium Ion	0.00004	0.1149	µg/m ³	V0
Potassium Ion	0.0001	0.0405	µg/m ³	V0
Magnesium Ion	0.00005	0.0536	µg/m ³	V0
Calcium Ion	0.0021	0.0655	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.8472	µg/m ³	V0
Sulphate Ion	0.0001	1.5666	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-01-11 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-01-12 00:00**

Set Index: **1**
WBEA ID: **220100128**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		735.7	mmHg	
Particulate Matter	0.042	12.250	µg/m ³	V0
Sodium Ion	0.0006	0.2806	µg/m ³	V0
Ammonium Ion	0.00004	0.2405	µg/m ³	V0
Potassium Ion	0.0001	0.0962	µg/m ³	V0
Magnesium Ion	0.00005	0.0565	µg/m ³	V0
Calcium Ion	0.0021	0.3865	µg/m ³	V0
Fluoride Ion	0.00001	0.0006	µg/m ³	V0
Chloride Ion	0.0014	0.0385	µg/m ³	V0
Nitrate Ion	0.0002	1.8230	µg/m ³	V0
Sulphate Ion	0.0001	1.6361	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100177
Start Date:	2022-01-14 11:50	End Date:	2022-01-14 11:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0016	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100135
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		728.3	mmHg	
Particulate Matter	0.042	5.125	µg/m ³	V0
Sodium Ion	0.0006	0.0790	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0212	µg/m ³	V0
Magnesium Ion	0.00005	0.0350	µg/m ³	V0
Calcium Ion	0.0021	0.0881	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0229	µg/m ³	V0
Nitrate Ion	0.0002	0.0877	µg/m ³	V0
Sulphate Ion	0.0001	1.3169	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-01-17 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-01-18 00:00

Set Index: 1
WBEA ID: 220100142
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		732.1	mmHg	
Particulate Matter	0.042	8.542	µg/m ³	V0
Sodium Ion	0.0006	0.0677	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0148	µg/m ³	V0
Magnesium Ion	0.00005	0.0261	µg/m ³	V0
Calcium Ion	0.0021	0.0970	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.0199	µg/m ³	V0
Nitrate Ion	0.0002	0.0009	µg/m ³	V0
Sulphate Ion	0.0001	1.0275	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100145
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		704.8	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Sodium Ion	0.0006	0.0289	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0091	µg/m ³	V0
Calcium Ion	0.0021	0.0240	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.9670	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100153
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		709.4	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Sodium Ion	0.0006	0.0343	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0119	µg/m ³	V0
Magnesium Ion	0.00005	0.0079	µg/m ³	V0
Calcium Ion	0.0021	0.0412	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.4414	µg/m ³	V0
Sulphate Ion	0.0001	0.8725	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100164
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		732.8	mmHg	
Particulate Matter	0.042	10.375	µg/m ³	V0
Sodium Ion	0.0006	0.0724	µg/m ³	V0
Ammonium Ion	0.00004	0.0013	µg/m ³	V0
Potassium Ion	0.0001	0.0086	µg/m ³	V0
Magnesium Ion	0.00005	0.0304	µg/m ³	V0
Calcium Ion	0.0021	0.1845	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0223	µg/m ³	V0
Nitrate Ion	0.0002	0.0255	µg/m ³	V0
Sulphate Ion	0.0001	1.0873	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100179
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		719.3	mmHg	
Particulate Matter	0.042	5.417	µg/m ³	V0
Sodium Ion	0.0006	0.0774	µg/m ³	V0
Ammonium Ion	0.00004	0.0368	µg/m ³	V0
Potassium Ion	0.0001	0.0422	µg/m ³	V0
Magnesium Ion	0.00005	0.0255	µg/m ³	V0
Calcium Ion	0.0021	0.0848	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.0138	µg/m ³	V0
Nitrate Ion	0.0002	0.0215	µg/m ³	V0
Sulphate Ion	0.0001	1.4678	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100187
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		711.1	mmHg	
Particulate Matter	0.042	5.292	µg/m ³	V0
Sodium Ion	0.0006	0.0572	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0191	µg/m ³	V0
Magnesium Ion	0.00005	0.0191	µg/m ³	V0
Calcium Ion	0.0021	0.1098	µg/m ³	V0
Fluoride Ion	0.00001	0.0037	µg/m ³	V0
Chloride Ion	0.0014	0.0219	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	1.0369	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-01-17 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-01-18 00:00**

Set Index: **1**
WBEA ID: **220100195**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	5.500	µg/m ³	V0
Sodium Ion	0.0006	0.0792	µg/m ³	V0
Ammonium Ion	0.00004	0.0240	µg/m ³	V0
Potassium Ion	0.0001	0.0333	µg/m ³	V0
Magnesium Ion	0.00005	0.0166	µg/m ³	V0
Calcium Ion	0.0021	0.1999	µg/m ³	V0
Fluoride Ion	0.00001	0.0018	µg/m ³	V0
Chloride Ion	0.0014	0.0379	µg/m ³	V0
Nitrate Ion	0.0002	0.0163	µg/m ³	V0
Sulphate Ion	0.0001	1.1588	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100243
Start Date:	2022-01-20 13:20	End Date:	2022-01-20 13:21	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0016	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.7240	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220100203
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

Report volume on partisol was left in standard mode instead of actual.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		736.8	mmHg	
Particulate Matter	0.042	5.625	µg/m ³	V0
Sodium Ion	0.0006	0.0513	µg/m ³	V0
Ammonium Ion	0.00004	0.0273	µg/m ³	V0
Potassium Ion	0.0001	0.0257	µg/m ³	V0
Magnesium Ion	0.00005	0.0123	µg/m ³	V0
Calcium Ion	0.0021	0.0741	µg/m ³	V0
Fluoride Ion	0.00001	0.0028	µg/m ³	V0
Chloride Ion	0.0014	0.0122	µg/m ³	V0
Nitrate Ion	0.0002	0.0183	µg/m ³	V0
Sulphate Ion	0.0001	1.0428	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Ells River**
Start Date: **2022-01-23 00:00**

Samp Use: **Exposure**
Loc ID: **ELSR**
End Date: **2022-01-24 00:00**

Set Index: **1**
WBEA ID: **220100210**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Sodium Ion	0.0006	0.0360	µg/m ³	V0
Ammonium Ion	0.00004	0.0325	µg/m ³	V0
Potassium Ion	0.0001	0.0415	µg/m ³	V0
Magnesium Ion	0.00005	0.0101	µg/m ³	V0
Calcium Ion	0.0021	0.0462	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0143	µg/m ³	V0
Sulphate Ion	0.0001	1.1063	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-01-23 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-01-24 00:00

Set Index: 1
WBEA ID: 220100213
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		733.7	mmHg	
Particulate Matter	0.042	7.958	µg/m ³	V0
Sodium Ion	0.0006	0.0374	µg/m ³	V0
Ammonium Ion	0.00004	0.0074	µg/m ³	V0
Potassium Ion	0.0001	0.0312	µg/m ³	V0
Magnesium Ion	0.00005	0.0165	µg/m ³	V0
Calcium Ion	0.0021	0.0846	µg/m ³	V0
Fluoride Ion	0.00001	0.0035	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2845	µg/m ³	V0
Sulphate Ion	0.0001	0.9999	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100226
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		734.3	mmHg	
Particulate Matter	0.042	8.500	µg/m ³	V0
Sodium Ion	0.0006	0.0386	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0242	µg/m ³	V0
Magnesium Ion	0.00005	0.0135	µg/m ³	V0
Calcium Ion	0.0021	0.0697	µg/m ³	V0
Fluoride Ion	0.00001	0.0013	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0384	µg/m ³	V0
Sulphate Ion	0.0001	1.0373	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100232
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-909.0	°C	
Pressure		712.2	mmHg	
Particulate Matter	0.042	3.417	µg/m ³	V0
Sodium Ion	0.0006	0.0233	µg/m ³	V0
Ammonium Ion	0.00004	0.0266	µg/m ³	V0
Potassium Ion	0.0001	0.0404	µg/m ³	V0
Magnesium Ion	0.00005	0.0109	µg/m ³	V0
Calcium Ion	0.0021	0.0835	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1378	µg/m ³	V0
Sulphate Ion	0.0001	1.5723	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100235
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		721.0	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Sodium Ion	0.0006	0.0369	µg/m ³	V0
Ammonium Ion	0.00004	0.0264	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0091	µg/m ³	V0
Calcium Ion	0.0021	0.0431	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0262	µg/m ³	V0
Sulphate Ion	0.0001	1.5693	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-01-23 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-01-24 00:00

Set Index: 1
WBEA ID: 220100252
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		738.1	mmHg	
Particulate Matter	0.042	5.292	µg/m ³	V0
Sodium Ion	0.0006	0.0440	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0410	µg/m ³	V0
Magnesium Ion	0.00005	0.0124	µg/m ³	V0
Calcium Ion	0.0021	0.1642	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0105	µg/m ³	V0
Nitrate Ion	0.0002	0.6912	µg/m ³	V0
Sulphate Ion	0.0001	0.9932	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100254
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.3	°C	
Pressure		707.7	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Sodium Ion	0.0006	0.0230	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0459	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0304	µg/m ³	V0
Fluoride Ion	0.00001	0.0001	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1341	µg/m ³	V0
Sulphate Ion	0.0001	1.5941	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100262
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		713.5	mmHg	
Particulate Matter	0.042	3.917	µg/m ³	V0
Sodium Ion	0.0006	0.0260	µg/m ³	V0
Ammonium Ion	0.00004	0.0462	µg/m ³	V0
Potassium Ion	0.0001	0.0369	µg/m ³	V0
Magnesium Ion	0.00005	0.0056	µg/m ³	V0
Calcium Ion	0.0021	0.0504	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2196	µg/m ³	V0
Sulphate Ion	0.0001	1.2253	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100320
Start Date:	2022-01-28 12:55	End Date:	2022-01-28 12:56	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.6578	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100271
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.1	°C	
Pressure		708.1	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Sodium Ion	0.0006	0.0882	µg/m ³	V0
Ammonium Ion	0.00004	0.0510	µg/m ³	V0
Potassium Ion	0.0001	0.0751	µg/m ³	V0
Magnesium Ion	0.00005	0.0073	µg/m ³	V0
Calcium Ion	0.0021	0.0300	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0120	µg/m ³	V0
Nitrate Ion	0.0002	0.1192	µg/m ³	V0
Sulphate Ion	0.0001	2.1435	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220100275
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		731.4	mmHg	
Particulate Matter	0.042	18.875	µg/m ³	V0
Sodium Ion	0.0006	0.2470	µg/m ³	V0
Ammonium Ion	0.00004	0.0180	µg/m ³	V0
Potassium Ion	0.0001	0.0301	µg/m ³	V0
Magnesium Ion	0.00005	0.0397	µg/m ³	V0
Calcium Ion	0.0021	0.1415	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0420	µg/m ³	V0
Nitrate Ion	0.0002	1.1775	µg/m ³	V0
Sulphate Ion	0.0001	1.4811	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100282
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.6	°C	
Pressure		712.5	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Sodium Ion	0.0006	0.0654	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0325	µg/m ³	V0
Magnesium Ion	0.00005	0.0088	µg/m ³	V0
Calcium Ion	0.0021	0.0533	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1214	µg/m ³	V0
Sulphate Ion	0.0001	1.9354	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100288
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		729.9	mmHg	
Particulate Matter	0.042	15.833	µg/m ³	V0
Sodium Ion	0.0006	0.2478	µg/m ³	V0
Ammonium Ion	0.00004	0.0522	µg/m ³	V0
Potassium Ion	0.0001	0.0268	µg/m ³	V0
Magnesium Ion	0.00005	0.0445	µg/m ³	V0
Calcium Ion	0.0021	0.1820	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0193	µg/m ³	V0
Nitrate Ion	0.0002	1.2202	µg/m ³	V0
Sulphate Ion	0.0001	1.4835	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-01-29 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-01-30 00:00

Set Index: 1
WBEA ID: 220100291
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		732.5	mmHg	
Particulate Matter	0.042	13.083	µg/m ³	V0
Sodium Ion	0.0006	0.2291	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0374	µg/m ³	V0
Calcium Ion	0.0021	0.1756	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0292	µg/m ³	V0
Nitrate Ion	0.0002	0.9210	µg/m ³	V0
Sulphate Ion	0.0001	1.1290	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100302
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	17.083	µg/m ³	V0
Sodium Ion	0.0006	0.2699	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0230	µg/m ³	V0
Magnesium Ion	0.00005	0.0475	µg/m ³	V0
Calcium Ion	0.0021	0.2250	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0238	µg/m ³	V0
Nitrate Ion	0.0002	0.9674	µg/m ³	V0
Sulphate Ion	0.0001	1.1638	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-01-29 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-01-30 00:00

Set Index: 1
WBEA ID: 220100310
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.8	°C	
Pressure		723.7	mmHg	
Particulate Matter	0.042	6.250	µg/m ³	V0
Sodium Ion	0.0006	0.1667	µg/m ³	V0
Ammonium Ion	0.00004	0.1029	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0015	µg/m ³	V0
Chloride Ion	0.0014	0.0508	µg/m ³	V0
Nitrate Ion	0.0002	1.2604	µg/m ³	V0
Sulphate Ion	0.0001	1.3679	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-01-29 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-01-30 00:00

Set Index: 1
WBEA ID: 220100316
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.3	°C	
Pressure		737.3	mmHg	
Particulate Matter	0.042	6.667	µg/m ³	V0
Sodium Ion	0.0006	0.2615	µg/m ³	V0
Ammonium Ion	0.00004	0.1166	µg/m ³	V0
Potassium Ion	0.0001	0.0867	µg/m ³	V0
Magnesium Ion	0.00005	0.0272	µg/m ³	V0
Calcium Ion	0.0021	0.1085	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.1273	µg/m ³	V0
Nitrate Ion	0.0002	1.2696	µg/m ³	V0
Sulphate Ion	0.0001	1.3905	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100327
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.0	°C	
Pressure		713.4	mmHg	
Particulate Matter	0.042	3.375	µg/m ³	V0
Sodium Ion	0.0006	0.0902	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0576	µg/m ³	V0
Magnesium Ion	0.00005	0.0221	µg/m ³	V0
Calcium Ion	0.0021	0.0294	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0892	µg/m ³	V0
Sulphate Ion	0.0001	1.7792	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200404
Start Date:	2022-02-01 13:55	End Date:	2022-02-01 13:56	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100369
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-20.0	°C	
Pressure		716.3	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Sodium Ion	0.0006	0.1420	µg/m ³	V0
Ammonium Ion	0.00004	0.0360	µg/m ³	V0
Potassium Ion	0.0001	0.0114	µg/m ³	V0
Magnesium Ion	0.00005	0.0162	µg/m ³	V0
Calcium Ion	0.0021	0.0379	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0750	µg/m ³	V0
Nitrate Ion	0.0002	0.1677	µg/m ³	V0
Sulphate Ion	0.0001	1.0550	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100374
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		724.0	mmHg	
Particulate Matter	0.042	5.000	µg/m ³	V0
Sodium Ion	0.0006	0.1927	µg/m ³	V0
Ammonium Ion	0.00004	0.1213	µg/m ³	V0
Potassium Ion	0.0001	0.0112	µg/m ³	V0
Magnesium Ion	0.00005	0.0179	µg/m ³	V0
Calcium Ion	0.0021	0.0472	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	0.0176	µg/m ³	V0
Nitrate Ion	0.0002	0.3254	µg/m ³	V0
Sulphate Ion	0.0001	1.0845	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100380
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-20.0	°C	
Pressure		741.4	mmHg	
Particulate Matter	0.042	6.125	µg/m ³	V0
Sodium Ion	0.0006	0.3335	µg/m ³	V0
Ammonium Ion	0.00004	0.1105	µg/m ³	V0
Potassium Ion	0.0001	0.0151	µg/m ³	V0
Magnesium Ion	0.00005	0.0258	µg/m ³	V0
Calcium Ion	0.0021	0.0739	µg/m ³	V0
Fluoride Ion	0.00001	0.0047	µg/m ³	V0
Chloride Ion	0.0014	0.1447	µg/m ³	V0
Nitrate Ion	0.0002	0.4459	µg/m ³	V0
Sulphate Ion	0.0001	1.0948	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200410
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		710.4	mmHg	
Particulate Matter	0.042	3.417	µg/m ³	V0
Sodium Ion	0.0006	0.1232	µg/m ³	V0
Ammonium Ion	0.00004	0.0098	µg/m ³	V0
Potassium Ion	0.0001	0.0122	µg/m ³	V0
Magnesium Ion	0.00005	0.0131	µg/m ³	V0
Calcium Ion	0.0021	0.0202	µg/m ³	V0
Fluoride Ion	0.00001	0.0081	µg/m ³	V0
Chloride Ion	0.0014	0.0757	µg/m ³	V0
Nitrate Ion	0.0002	0.1935	µg/m ³	V0
Sulphate Ion	0.0001	0.8790	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200419
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:22.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		715.6	mmHg	
Particulate Matter	0.042	2.917	µg/m ³	V0
Sodium Ion	0.0006	0.1293	µg/m ³	V0
Ammonium Ion	0.00004	0.0116	µg/m ³	V0
Potassium Ion	0.0001	0.0114	µg/m ³	V0
Magnesium Ion	0.00005	0.0115	µg/m ³	V0
Calcium Ion	0.0021	0.0152	µg/m ³	V0
Fluoride Ion	0.00001	0.0081	µg/m ³	V0
Chloride Ion	0.0014	0.0089	µg/m ³	V0
Nitrate Ion	0.0002	0.1914	µg/m ³	V0
Sulphate Ion	0.0001	0.8674	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220200425
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		735.0	mmHg	
Particulate Matter	0.042	11.167	µg/m ³	V0
Sodium Ion	0.0006	0.1144	µg/m ³	V0
Ammonium Ion	0.00004	0.3518	µg/m ³	V0
Potassium Ion	0.0001	0.0206	µg/m ³	V0
Magnesium Ion	0.00005	0.0202	µg/m ³	V0
Calcium Ion	0.0021	0.0964	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.0061	µg/m ³	V0
Nitrate Ion	0.0002	0.1604	µg/m ³	V0
Sulphate Ion	0.0001	1.5488	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200436
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		737.0	mmHg	
Particulate Matter	0.042	10.417	µg/m ³	V0
Sodium Ion	0.0006	0.2193	µg/m ³	V0
Ammonium Ion	0.00004	0.3371	µg/m ³	V0
Potassium Ion	0.0001	0.0230	µg/m ³	V0
Magnesium Ion	0.00005	0.0286	µg/m ³	V0
Calcium Ion	0.0021	0.0995	µg/m ³	V0
Fluoride Ion	0.00001	0.0056	µg/m ³	V0
Chloride Ion	0.0014	0.0120	µg/m ³	V0
Nitrate Ion	0.0002	0.4307	µg/m ³	V0
Sulphate Ion	0.0001	1.4950	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-02-04 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-02-05 00:00

Set Index: 1
WBEA ID: 220200446
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		733.1	mmHg	
Particulate Matter	0.042	8.333	µg/m ³	V0
Sodium Ion	0.0006	0.2188	µg/m ³	V0
Ammonium Ion	0.00004	0.2861	µg/m ³	V0
Potassium Ion	0.0001	0.0187	µg/m ³	V0
Magnesium Ion	0.00005	0.0258	µg/m ³	V0
Calcium Ion	0.0021	0.0936	µg/m ³	V0
Fluoride Ion	0.00001	0.0058	µg/m ³	V0
Chloride Ion	0.0014	0.0214	µg/m ³	V0
Nitrate Ion	0.0002	0.3959	µg/m ³	V0
Sulphate Ion	0.0001	1.3609	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-02-04 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-02-05 00:00

Set Index: 1
WBEA ID: 220200449
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	10.000	µg/m ³	V0
Sodium Ion	0.0006	0.2531	µg/m ³	V0
Ammonium Ion	0.00004	0.2751	µg/m ³	V0
Potassium Ion	0.0001	0.0219	µg/m ³	V0
Magnesium Ion	0.00005	0.0272	µg/m ³	V0
Calcium Ion	0.0021	0.1297	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	0.0490	µg/m ³	V0
Nitrate Ion	0.0002	0.4435	µg/m ³	V0
Sulphate Ion	0.0001	1.4266	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200477
Start Date:	2022-02-07 15:30	End Date:	2022-02-07 15:31	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0009	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200453
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.2	°C	
Pressure		709.4	mmHg	
Particulate Matter	0.042	3.292	µg/m ³	V0
Sodium Ion	0.0006	0.0479	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0032	µg/m ³	V0
Magnesium Ion	0.00005	0.0088	µg/m ³	V0
Calcium Ion	0.0021	0.1027	µg/m ³	V0
Fluoride Ion	0.00001	0.0061	µg/m ³	V0
Chloride Ion	0.0014	0.0044	µg/m ³	V0
Nitrate Ion	0.0002	0.0197	µg/m ³	V0
Sulphate Ion	0.0001	0.6339	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-02-10 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-02-11 00:00**

Set Index: **1**
WBEA ID: **220200461**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.6	°C	
Pressure		733.6	mmHg	
Particulate Matter	0.042	11.167	µg/m ³	V0
Sodium Ion	0.0006	0.2393	µg/m ³	V0
Ammonium Ion	0.00004	0.0112	µg/m ³	V0
Potassium Ion	0.0001	0.0129	µg/m ³	V0
Magnesium Ion	0.00005	0.0150	µg/m ³	V0
Calcium Ion	0.0021	0.7698	µg/m ³	V0
Fluoride Ion	0.00001	0.0064	µg/m ³	V0
Chloride Ion	0.0014	0.2523	µg/m ³	V0
Nitrate Ion	0.0002	0.1337	µg/m ³	V0
Sulphate Ion	0.0001	0.8369	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-02-10 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-02-11 00:00

Set Index: 1
WBEA ID: 220200467
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	9.000	µg/m ³	V0
Sodium Ion	0.0006	0.1199	µg/m ³	V0
Ammonium Ion	0.00004	0.0300	µg/m ³	V0
Potassium Ion	0.0001	0.0101	µg/m ³	V0
Magnesium Ion	0.00005	0.0134	µg/m ³	V0
Calcium Ion	0.0021	0.5828	µg/m ³	V0
Fluoride Ion	0.00001	0.0069	µg/m ³	V0
Chloride Ion	0.0014	0.0832	µg/m ³	V0
Nitrate Ion	0.0002	0.1349	µg/m ³	V0
Sulphate Ion	0.0001	0.9417	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200472
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.0	°C	
Pressure		704.1	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Sodium Ion	0.0006	0.0248	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0037	µg/m ³	V0
Calcium Ion	0.0021	0.0130	µg/m ³	V0
Fluoride Ion	0.00001	0.0052	µg/m ³	V0
Chloride Ion	0.0014	0.0605	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.6240	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-02-10 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-02-11 00:00

Set Index: 1
WBEA ID: 220200489
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		727.8	mmHg	
Particulate Matter	0.042	13.042	µg/m ³	V0
Sodium Ion	0.0006	0.0705	µg/m ³	V0
Ammonium Ion	0.00004	0.0023	µg/m ³	V0
Potassium Ion	0.0001	0.0086	µg/m ³	V0
Magnesium Ion	0.00005	0.0258	µg/m ³	V0
Calcium Ion	0.0021	0.1637	µg/m ³	V0
Fluoride Ion	0.00001	0.0068	µg/m ³	V0
Chloride Ion	0.0014	0.0094	µg/m ³	V0
Nitrate Ion	0.0002	0.0686	µg/m ³	V0
Sulphate Ion	0.0001	1.0124	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200500
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.6	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	19.917	µg/m ³	V0
Sodium Ion	0.0006	0.0726	µg/m ³	V0
Ammonium Ion	0.00004	0.0067	µg/m ³	V0
Potassium Ion	0.0001	0.0072	µg/m ³	V0
Magnesium Ion	0.00005	0.0273	µg/m ³	V0
Calcium Ion	0.0021	0.5046	µg/m ³	V0
Fluoride Ion	0.00001	0.0061	µg/m ³	V0
Chloride Ion	0.0014	0.0127	µg/m ³	V0
Nitrate Ion	0.0002	0.0762	µg/m ³	V0
Sulphate Ion	0.0001	0.9679	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220200510
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		726.2	mmHg	
Particulate Matter	0.042	8.042	µg/m ³	V0
Sodium Ion	0.0006	0.0733	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0086	µg/m ³	V0
Magnesium Ion	0.00005	0.0153	µg/m ³	V0
Calcium Ion	0.0021	0.0932	µg/m ³	V0
Fluoride Ion	0.00001	0.0065	µg/m ³	V0
Chloride Ion	0.0014	0.0150	µg/m ³	V0
Nitrate Ion	0.0002	0.0329	µg/m ³	V0
Sulphate Ion	0.0001	0.9193	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-02-10 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-02-11 00:00

Set Index: 1
WBEA ID: 220200513
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	16.667	µg/m ³	V0
Sodium Ion	0.0006	0.0559	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0230	µg/m ³	V0
Calcium Ion	0.0021	0.4344	µg/m ³	V0
Fluoride Ion	0.00001	0.0067	µg/m ³	V0
Chloride Ion	0.0014	0.0138	µg/m ³	V0
Nitrate Ion	0.0002	0.0507	µg/m ³	V0
Sulphate Ion	0.0001	0.7483	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200484
Start Date:	2022-02-10 09:00	End Date:	2022-02-11 09:00	Duration:	24.0 hr

Notes

Sample did not start at 00:00. Reset to run from 09:00 to 09:00.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		716.8	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Sodium Ion	0.0006	0.0549	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0045	µg/m ³	V0
Magnesium Ion	0.00005	0.0064	µg/m ³	V0
Calcium Ion	0.0021	0.0273	µg/m ³	V0
Fluoride Ion	0.00001	0.0064	µg/m ³	V0
Chloride Ion	0.0014	0.0731	µg/m ³	V0
Nitrate Ion	0.0002	0.0292	µg/m ³	V0
Sulphate Ion	0.0001	0.8658	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200522
Start Date:	2022-02-11 15:05	End Date:	2022-02-11 15:06	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.583	µg/m ³	V0
Sodium Ion	0.0006	0.0009	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0186	µg/m ³	V0
Fluoride Ion	0.00001	0.0049	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220200516
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:10	Duration:	24.2 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87000/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V0
Temperature		-26.0	°C	
Pressure		742.9	mmHg	
Particulate Matter	0.042	10.455	µg/m ³	V0
Sodium Ion	0.0006	0.2383	µg/m ³	V0
Ammonium Ion	0.00004	1.0672	µg/m ³	V0
Potassium Ion	0.0001	0.0175	µg/m ³	V0
Magnesium Ion	0.00005	0.0232	µg/m ³	V0
Calcium Ion	0.0021	0.2186	µg/m ³	V0
Fluoride Ion	0.00001	0.0053	µg/m ³	V0
Chloride Ion	0.0014	0.1486	µg/m ³	V0
Nitrate Ion	0.0002	0.2301	µg/m ³	V0
Sulphate Ion	0.0001	2.7217	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-02-16 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-02-17 00:13

Set Index: 1
WBEA ID: 220200519
Duration: 24.2 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87180/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V0
Temperature		-30.0	°C	
Pressure		743.8	mmHg	
Particulate Matter	0.042	13.388	µg/m ³	V0
Sodium Ion	0.0006	0.1766	µg/m ³	V0
Ammonium Ion	0.00004	1.2259	µg/m ³	V0
Potassium Ion	0.0001	0.0284	µg/m ³	V0
Magnesium Ion	0.00005	0.0317	µg/m ³	V0
Calcium Ion	0.0021	0.3679	µg/m ³	V0
Fluoride Ion	0.00001	0.0053	µg/m ³	V0
Chloride Ion	0.0014	0.0740	µg/m ³	V0
Nitrate Ion	0.0002	0.2493	µg/m ³	V0
Sulphate Ion	0.0001	3.1310	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200530
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:10	Duration:	24.2 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87000/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V0
Temperature		-24.0	°C	
Pressure		745.6	mmHg	
Particulate Matter	0.042	19.091	µg/m ³	V0
Sodium Ion	0.0006	0.2540	µg/m ³	V0
Ammonium Ion	0.00004	1.7986	µg/m ³	V4
Potassium Ion	0.0001	0.0187	µg/m ³	V0
Magnesium Ion	0.00005	0.0413	µg/m ³	V0
Calcium Ion	0.0021	0.6870	µg/m ³	V0
Fluoride Ion	0.00001	0.0060	µg/m ³	V0
Chloride Ion	0.0014	0.1190	µg/m ³	V0
Nitrate Ion	0.0002	0.4238	µg/m ³	V0
Sulphate Ion	0.0001	3.8156	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200542
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		716.9	mmHg	
Particulate Matter	0.042	6.083	µg/m ³	V0
Sodium Ion	0.0006	0.2159	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0096	µg/m ³	V0
Magnesium Ion	0.00005	0.0065	µg/m ³	V0
Calcium Ion	0.0021	0.0431	µg/m ³	V0
Fluoride Ion	0.00001	0.0073	µg/m ³	V0
Chloride Ion	0.0014	0.1993	µg/m ³	V0
Nitrate Ion	0.0002	0.0855	µg/m ³	V0
Sulphate Ion	0.0001	0.6709	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200548
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

Temp. Diff. and sample period error codes. Valid sampling time: 20:57; total sampling time 24:00.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		722.2	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Sodium Ion	0.0006	0.0612	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0037	µg/m ³	V0
Magnesium Ion	0.00005	0.0093	µg/m ³	V0
Calcium Ion	0.0021	0.0142	µg/m ³	V0
Fluoride Ion	0.00001	0.0089	µg/m ³	V0
Chloride Ion	0.0014	0.0100	µg/m ³	V0
Nitrate Ion	0.0002	0.0577	µg/m ³	V0
Sulphate Ion	0.0001	0.6514	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200554
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		722.6	mmHg	
Particulate Matter	0.042	3.750	µg/m ³	V0
Sodium Ion	0.0006	0.1083	µg/m ³	V0
Ammonium Ion	0.00004	0.0469	µg/m ³	V0
Potassium Ion	0.0001	0.0156	µg/m ³	V0
Magnesium Ion	0.00005	0.0130	µg/m ³	V0
Calcium Ion	0.0021	0.0333	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.0207	µg/m ³	V0
Nitrate Ion	0.0002	0.1237	µg/m ³	V0
Sulphate Ion	0.0001	0.9722	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-02-16 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-02-17 00:00

Set Index: 1
WBEA ID: 220200563
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		748.6	mmHg	
Particulate Matter	0.042	9.583	µg/m ³	V0
Sodium Ion	0.0006	0.9856	µg/m ³	V0
Ammonium Ion	0.00004	0.3464	µg/m ³	V0
Potassium Ion	0.0001	0.0137	µg/m ³	V0
Magnesium Ion	0.00005	0.0384	µg/m ³	V0
Calcium Ion	0.0021	0.1528	µg/m ³	V0
Fluoride Ion	0.00001	0.0094	µg/m ³	V0
Chloride Ion	0.0014	1.1611	µg/m ³	V0
Nitrate Ion	0.0002	0.5871	µg/m ³	V0
Sulphate Ion	0.0001	1.0637	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Patricia McInnes**
Start Date: **2022-02-16 00:00**

Samp Use: **Exposure**
Loc ID: **PATM**
End Date: **2022-02-17 00:00**

Set Index: **1**
WBEA ID: **220200569**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-27.0	°C	
Pressure		731.5	mmHg	
Particulate Matter	0.042	6.542	µg/m ³	V0
Sodium Ion	0.0006	0.2460	µg/m ³	V0
Ammonium Ion	0.00004	0.3987	µg/m ³	V0
Potassium Ion	0.0001	0.0092	µg/m ³	V0
Magnesium Ion	0.00005	0.0273	µg/m ³	V0
Calcium Ion	0.0021	0.0472	µg/m ³	V0
Fluoride Ion	0.00001	0.0082	µg/m ³	V0
Chloride Ion	0.0014	0.0687	µg/m ³	V0
Nitrate Ion	0.0002	0.4227	µg/m ³	V0
Sulphate Ion	0.0001	1.3732	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220200575
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-29.0	°C	
Pressure		741.5	mmHg	
Particulate Matter	0.042	26.792	µg/m ³	V0
Sodium Ion	0.0006	0.1535	µg/m ³	V0
Ammonium Ion	0.00004	0.2858	µg/m ³	V0
Potassium Ion	0.0001	0.0096	µg/m ³	V0
Magnesium Ion	0.00005	0.0449	µg/m ³	V0
Calcium Ion	0.0021	0.4494	µg/m ³	V0
Fluoride Ion	0.00001	0.0063	µg/m ³	V0
Chloride Ion	0.0014	0.0569	µg/m ³	V0
Nitrate Ion	0.0002	0.2714	µg/m ³	V0
Sulphate Ion	0.0001	1.4134	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-02-22 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-02-23 00:00

Set Index: 1
WBEA ID: 220200582
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		749.8	mmHg	
Particulate Matter	0.042	34.542	µg/m ³	V0
Sodium Ion	0.0006	0.2012	µg/m ³	V0
Ammonium Ion	0.00004	0.2607	µg/m ³	V0
Potassium Ion	0.0001	0.0096	µg/m ³	V0
Magnesium Ion	0.00005	0.0286	µg/m ³	V0
Calcium Ion	0.0021	1.0400	µg/m ³	V0
Fluoride Ion	0.00001	0.0073	µg/m ³	V0
Chloride Ion	0.0014	0.1190	µg/m ³	V0
Nitrate Ion	0.0002	0.4294	µg/m ³	V0
Sulphate Ion	0.0001	1.4120	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200587
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		725.2	mmHg	
Particulate Matter	0.042	4.125	µg/m ³	V0
Sodium Ion	0.0006	0.1407	µg/m ³	V0
Ammonium Ion	0.00004	0.0066	µg/m ³	V0
Potassium Ion	0.0001	0.0049	µg/m ³	V0
Magnesium Ion	0.00005	0.0056	µg/m ³	V0
Calcium Ion	0.0021	0.0369	µg/m ³	V0
Fluoride Ion	0.00001	0.0082	µg/m ³	V0
Chloride Ion	0.0014	0.1209	µg/m ³	V0
Nitrate Ion	0.0002	0.0416	µg/m ³	V0
Sulphate Ion	0.0001	0.7369	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200594
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		753.1	mmHg	
Particulate Matter	0.042	20.083	µg/m ³	V0
Sodium Ion	0.0006	0.3952	µg/m ³	V0
Ammonium Ion	0.00004	0.4641	µg/m ³	V0
Potassium Ion	0.0001	0.0182	µg/m ³	V0
Magnesium Ion	0.00005	0.0237	µg/m ³	V0
Calcium Ion	0.0021	1.0531	µg/m ³	V0
Fluoride Ion	0.00001	0.0086	µg/m ³	V0
Chloride Ion	0.0014	0.3868	µg/m ³	V0
Nitrate Ion	0.0002	0.5474	µg/m ³	V0
Sulphate Ion	0.0001	1.5970	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200608
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		730.4	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Sodium Ion	0.0006	0.1018	µg/m ³	V0
Ammonium Ion	0.00004	0.0092	µg/m ³	V0
Potassium Ion	0.0001	0.0037	µg/m ³	V0
Magnesium Ion	0.00005	0.0071	µg/m ³	V0
Calcium Ion	0.0021	0.0491	µg/m ³	V0
Fluoride Ion	0.00001	0.0069	µg/m ³	V0
Chloride Ion	0.0014	0.0696	µg/m ³	V0
Nitrate Ion	0.0002	0.0484	µg/m ³	V0
Sulphate Ion	0.0001	0.7527	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-02-22 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-02-23 00:00

Set Index: 1
WBEA ID: 220200614
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		750.4	mmHg	
Particulate Matter	0.042	9.750	µg/m ³	V0
Sodium Ion	0.0006	0.2044	µg/m ³	V0
Ammonium Ion	0.00004	0.0731	µg/m ³	V0
Potassium Ion	0.0001	0.0109	µg/m ³	V0
Magnesium Ion	0.00005	0.0166	µg/m ³	V0
Calcium Ion	0.0021	0.2306	µg/m ³	V0
Fluoride Ion	0.00001	0.0079	µg/m ³	V0
Chloride Ion	0.0014	0.1468	µg/m ³	V0
Nitrate Ion	0.0002	0.1843	µg/m ³	V0
Sulphate Ion	0.0001	0.9317	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200617
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		751.4	mmHg	
Particulate Matter	0.042	13.875	µg/m ³	V0
Sodium Ion	0.0006	0.2663	µg/m ³	V0
Ammonium Ion	0.00004	0.2882	µg/m ³	V0
Potassium Ion	0.0001	0.0131	µg/m ³	V0
Magnesium Ion	0.00005	0.0147	µg/m ³	V0
Calcium Ion	0.0021	0.5097	µg/m ³	V0
Fluoride Ion	0.00001	0.0099	µg/m ³	V0
Chloride Ion	0.0014	0.2118	µg/m ³	V0
Nitrate Ion	0.0002	0.3229	µg/m ³	V0
Sulphate Ion	0.0001	1.3566	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-02-22 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-02-23 00:00**

Set Index: **1**
WBEA ID: **220200622**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		756.6	mmHg	
Particulate Matter	0.042	9.208	µg/m ³	V0
Sodium Ion	0.0006	0.7841	µg/m ³	V0
Ammonium Ion	0.00004	0.1478	µg/m ³	V0
Potassium Ion	0.0001	0.0122	µg/m ³	V0
Magnesium Ion	0.00005	0.0199	µg/m ³	V0
Calcium Ion	0.0021	0.1507	µg/m ³	V0
Fluoride Ion	0.00001	0.0083	µg/m ³	V0
Chloride Ion	0.0014	0.9448	µg/m ³	V0
Nitrate Ion	0.0002	0.4832	µg/m ³	V0
Sulphate Ion	0.0001	0.9119	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200629
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	3.792	µg/m ³	V0
Sodium Ion	0.0006	0.0563	µg/m ³	V0
Ammonium Ion	0.00004	0.0356	µg/m ³	V0
Potassium Ion	0.0001	0.0049	µg/m ³	V0
Magnesium Ion	0.00005	0.0053	µg/m ³	V0
Calcium Ion	0.0021	0.0335	µg/m ³	V0
Fluoride Ion	0.00001	0.0076	µg/m ³	V0
Chloride Ion	0.0014	0.0122	µg/m ³	V0
Nitrate Ion	0.0002	0.0321	µg/m ³	V0
Sulphate Ion	0.0001	0.8082	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200638
Start Date:	2022-02-22 13:45	End Date:	2022-02-22 13:46	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0011	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0158	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200650
Start Date:	2022-02-22 14:00	End Date:	2022-02-23 14:00	Duration:	24.0 hr

Notes

Sample ran from 14:00 to 14:00 instead of 00:00 to 00:00 due to filters not arriving in time.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		732.3	mmHg	
Particulate Matter	0.042	5.417	µg/m ³	V0
Sodium Ion	0.0006	0.1124	µg/m ³	V0
Ammonium Ion	0.00004	0.0128	µg/m ³	V0
Potassium Ion	0.0001	0.0146	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0579	µg/m ³	V0
Fluoride Ion	0.00001	0.0062	µg/m ³	V0
Chloride Ion	0.0014	0.0313	µg/m ³	V0
Nitrate Ion	0.0002	0.2843	µg/m ³	V0
Sulphate Ion	0.0001	0.7477	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200693
Start Date:	2022-02-24 12:10	End Date:	2022-02-24 12:11	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0011	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0038	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200651
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		738.7	mmHg	
Particulate Matter	0.042	32.875	µg/m ³	V0
Sodium Ion	0.0006	0.1600	µg/m ³	V0
Ammonium Ion	0.00004	0.0549	µg/m ³	V0
Potassium Ion	0.0001	0.0111	µg/m ³	V0
Magnesium Ion	0.00005	0.0453	µg/m ³	V0
Calcium Ion	0.0021	0.4190	µg/m ³	V0
Fluoride Ion	0.00001	0.0066	µg/m ³	V0
Chloride Ion	0.0014	0.0975	µg/m ³	V0
Nitrate Ion	0.0002	0.1640	µg/m ³	V0
Sulphate Ion	0.0001	1.1400	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200661
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	27.500	µg/m ³	V0
Sodium Ion	0.0006	0.1467	µg/m ³	V0
Ammonium Ion	0.00004	0.0381	µg/m ³	V0
Potassium Ion	0.0001	0.0119	µg/m ³	V0
Magnesium Ion	0.00005	0.0436	µg/m ³	V0
Calcium Ion	0.0021	0.4529	µg/m ³	V0
Fluoride Ion	0.00001	0.0051	µg/m ³	V0
Chloride Ion	0.0014	0.0829	µg/m ³	V0
Nitrate Ion	0.0002	0.1521	µg/m ³	V0
Sulphate Ion	0.0001	1.1309	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200664
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		736.3	mmHg	
Particulate Matter	0.042	10.458	µg/m ³	V0
Sodium Ion	0.0006	0.2229	µg/m ³	V0
Ammonium Ion	0.00004	0.0310	µg/m ³	V0
Potassium Ion	0.0001	0.0144	µg/m ³	V0
Magnesium Ion	0.00005	0.0300	µg/m ³	V0
Calcium Ion	0.0021	0.1185	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	0.2187	µg/m ³	V0
Nitrate Ion	0.0002	0.0930	µg/m ³	V0
Sulphate Ion	0.0001	1.1283	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200668
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		710.5	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Sodium Ion	0.0006	0.0405	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0068	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0258	µg/m ³	V0
Fluoride Ion	0.00001	0.0047	µg/m ³	V0
Chloride Ion	0.0014	0.0105	µg/m ³	V0
Nitrate Ion	0.0002	0.0108	µg/m ³	V0
Sulphate Ion	0.0001	0.7871	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200677
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:19.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		715.0	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Sodium Ion	0.0006	0.0658	µg/m ³	V0
Ammonium Ion	0.00004	0.0014	µg/m ³	V0
Potassium Ion	0.0001	0.0123	µg/m ³	V0
Magnesium Ion	0.00005	0.0091	µg/m ³	V0
Calcium Ion	0.0021	0.0185	µg/m ³	V0
Fluoride Ion	0.00001	0.0051	µg/m ³	V0
Chloride Ion	0.0014	0.0149	µg/m ³	V0
Nitrate Ion	0.0002	0.0182	µg/m ³	V0
Sulphate Ion	0.0001	0.8823	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200681
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		734.8	mmHg	
Particulate Matter	0.042	15.375	µg/m ³	V0
Sodium Ion	0.0006	0.1597	µg/m ³	V0
Ammonium Ion	0.00004	0.0261	µg/m ³	V0
Potassium Ion	0.0001	0.0137	µg/m ³	V0
Magnesium Ion	0.00005	0.0433	µg/m ³	V0
Calcium Ion	0.0021	0.2326	µg/m ³	V0
Fluoride Ion	0.00001	0.0044	µg/m ³	V0
Chloride Ion	0.0014	0.1271	µg/m ³	V0
Nitrate Ion	0.0002	0.0990	µg/m ³	V0
Sulphate Ion	0.0001	1.1044	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200687
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		728.5	mmHg	
Particulate Matter	0.042	15.250	µg/m ³	V0
Sodium Ion	0.0006	0.1217	µg/m ³	V0
Ammonium Ion	0.00004	0.7087	µg/m ³	V0
Potassium Ion	0.0001	0.0209	µg/m ³	V0
Magnesium Ion	0.00005	0.0343	µg/m ³	V0
Calcium Ion	0.0021	0.2148	µg/m ³	V0
Fluoride Ion	0.00001	0.0060	µg/m ³	V0
Chloride Ion	0.0014	0.0163	µg/m ³	V0
Nitrate Ion	0.0002	0.4383	µg/m ³	V0
Sulphate Ion	0.0001	2.0563	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200695
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		740.8	mmHg	
Particulate Matter	0.042	14.958	µg/m ³	V0
Sodium Ion	0.0006	0.2015	µg/m ³	V0
Ammonium Ion	0.00004	0.6847	µg/m ³	V0
Potassium Ion	0.0001	0.0461	µg/m ³	V0
Magnesium Ion	0.00005	0.0343	µg/m ³	V0
Calcium Ion	0.0021	0.2251	µg/m ³	V0
Fluoride Ion	0.00001	0.0071	µg/m ³	V0
Chloride Ion	0.0014	0.0751	µg/m ³	V0
Nitrate Ion	0.0002	0.8412	µg/m ³	V0
Sulphate Ion	0.0001	1.8547	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200702
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		716.2	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Sodium Ion	0.0006	0.0706	µg/m ³	V0
Ammonium Ion	0.00004	0.1217	µg/m ³	V0
Potassium Ion	0.0001	0.0164	µg/m ³	V0
Magnesium Ion	0.00005	0.0125	µg/m ³	V0
Calcium Ion	0.0021	0.0497	µg/m ³	V0
Fluoride Ion	0.00001	0.0053	µg/m ³	V0
Chloride Ion	0.0014	0.0659	µg/m ³	V0
Nitrate Ion	0.0002	0.1088	µg/m ³	V0
Sulphate Ion	0.0001	1.1167	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300808
Start Date:	2022-03-03 10:35	End Date:	2022-03-03 10:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Sodium Ion	0.0006	0.0009	µg/m ³	V0
Ammonium Ion	0.00004	0.0019	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0052	µg/m ³	V0
Chloride Ion	0.0014	0.0019	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300758
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.6	°C	
Pressure		735.7	mmHg	
Particulate Matter	0.042	5.667	µg/m ³	V0
Sodium Ion	0.0006	0.2603	µg/m ³	V0
Ammonium Ion	0.00004	0.4375	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0440	µg/m ³	V0
Calcium Ion	0.0021	0.0818	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	0.1656	µg/m ³	V0
Nitrate Ion	0.0002	0.3194	µg/m ³	V0
Sulphate Ion	0.0001	1.3889	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220300762
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.3	°C	
Pressure		737.5	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Sodium Ion	0.0006	0.0192	µg/m ³	V0
Ammonium Ion	0.00004	0.1759	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0056	µg/m ³	V0
Calcium Ion	0.0021	0.0353	µg/m ³	V0
Fluoride Ion	0.00001	0.0023	µg/m ³	V0
Chloride Ion	0.0014	0.0077	µg/m ³	V0
Nitrate Ion	0.0002	0.0404	µg/m ³	V0
Sulphate Ion	0.0001	0.4786	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300767
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.0	°C	
Pressure		739.1	mmHg	
Particulate Matter	0.042	6.958	µg/m ³	V0
Sodium Ion	0.0006	0.0579	µg/m ³	V0
Ammonium Ion	0.00004	0.2257	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0153	µg/m ³	V0
Calcium Ion	0.0021	0.1403	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0522	µg/m ³	V0
Nitrate Ion	0.0002	0.0805	µg/m ³	V0
Sulphate Ion	0.0001	0.6197	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-03-06 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-03-07 00:00

Set Index: 1
WBEA ID: 220300779
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.2	°C	
Pressure		736.3	mmHg	
Particulate Matter	0.042	7.583	µg/m ³	V0
Sodium Ion	0.0006	0.0321	µg/m ³	V0
Ammonium Ion	0.00004	0.2351	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0163	µg/m ³	V0
Calcium Ion	0.0021	0.1335	µg/m ³	V0
Fluoride Ion	0.00001	0.0037	µg/m ³	V0
Chloride Ion	0.0014	0.0151	µg/m ³	V0
Nitrate Ion	0.0002	0.0764	µg/m ³	V0
Sulphate Ion	0.0001	0.6298	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-03-06 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-03-07 00:00

Set Index: 1
WBEA ID: 220300784
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.2	°C	
Pressure		734.6	mmHg	
Particulate Matter	0.042	3.792	µg/m ³	V0
Sodium Ion	0.0006	0.0881	µg/m ³	V0
Ammonium Ion	0.00004	0.2237	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0093	µg/m ³	V0
Calcium Ion	0.0021	0.0631	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	0.1019	µg/m ³	V0
Nitrate Ion	0.0002	0.0518	µg/m ³	V0
Sulphate Ion	0.0001	0.6288	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300795
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.1	°C	
Pressure		714.1	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Sodium Ion	0.0006	0.0230	µg/m ³	V0
Ammonium Ion	0.00004	0.2814	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0046	µg/m ³	V0
Calcium Ion	0.0021	0.0420	µg/m ³	V0
Fluoride Ion	0.00001	0.0048	µg/m ³	V0
Chloride Ion	0.0014	0.0086	µg/m ³	V0
Nitrate Ion	0.0002	0.0833	µg/m ³	V0
Sulphate Ion	0.0001	0.7806	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300802
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.0	°C	
Pressure		718.2	mmHg	
Particulate Matter	0.042	2.125	µg/m ³	V0
Sodium Ion	0.0006	0.0404	µg/m ³	V0
Ammonium Ion	0.00004	0.2521	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0055	µg/m ³	V0
Calcium Ion	0.0021	0.0520	µg/m ³	V0
Fluoride Ion	0.00001	0.0067	µg/m ³	V0
Chloride Ion	0.0014	0.0283	µg/m ³	V0
Nitrate Ion	0.0002	0.0780	µg/m ³	V0
Sulphate Ion	0.0001	0.7114	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300812
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.9	°C	
Pressure		718.8	mmHg	
Particulate Matter	0.042	2.792	µg/m ³	V0
Sodium Ion	0.0006	0.0352	µg/m ³	V0
Ammonium Ion	0.00004	0.2269	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0063	µg/m ³	V0
Calcium Ion	0.0021	0.0836	µg/m ³	V0
Fluoride Ion	0.00001	0.0036	µg/m ³	V0
Chloride Ion	0.0014	0.0260	µg/m ³	V0
Nitrate Ion	0.0002	0.0607	µg/m ³	V0
Sulphate Ion	0.0001	0.6233	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-03-06 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-07 00:00

Set Index: 1
WBEA ID: 220300819
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.6	°C	
Pressure		742.2	mmHg	
Particulate Matter	0.042	9.000	µg/m ³	V0
Sodium Ion	0.0006	1.0843	µg/m ³	V0
Ammonium Ion	0.00004	0.2593	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0155	µg/m ³	V0
Calcium Ion	0.0021	0.3516	µg/m ³	V0
Fluoride Ion	0.00001	0.0076	µg/m ³	V0
Chloride Ion	0.0014	1.5229	µg/m ³	V0
Nitrate Ion	0.0002	0.3253	µg/m ³	V0
Sulphate Ion	0.0001	0.7518	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300827
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.7	°C	
Pressure		729.3	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Sodium Ion	0.0006	0.0834	µg/m ³	V0
Ammonium Ion	0.00004	0.3416	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0051	µg/m ³	V0
Calcium Ion	0.0021	0.0300	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0838	µg/m ³	V0
Nitrate Ion	0.0002	0.0823	µg/m ³	V0
Sulphate Ion	0.0001	0.9388	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300868
Start Date:	2022-03-10 16:15	End Date:	2022-03-10 16:16	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Sodium Ion	0.0006	0.0011	µg/m ³	V0
Ammonium Ion	0.00004	0.0026	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0048	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300831
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		725.0	mmHg	
Particulate Matter	0.042	15.625	µg/m ³	V0
Sodium Ion	0.0006	0.1929	µg/m ³	V0
Ammonium Ion	0.00004	0.2766	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0453	µg/m ³	V0
Calcium Ion	0.0021	0.3574	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.0921	µg/m ³	V0
Nitrate Ion	0.0002	0.5656	µg/m ³	V0
Sulphate Ion	0.0001	0.8692	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300837
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.5	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	13.833	µg/m ³	V0
Sodium Ion	0.0006	0.1733	µg/m ³	V0
Ammonium Ion	0.00004	0.3046	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0430	µg/m ³	V0
Calcium Ion	0.0021	0.3611	µg/m ³	V0
Fluoride Ion	0.00001	0.0086	µg/m ³	V0
Chloride Ion	0.0014	0.0548	µg/m ³	V0
Nitrate Ion	0.0002	0.6550	µg/m ³	V0
Sulphate Ion	0.0001	0.9413	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300851
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		728.6	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Sodium Ion	0.0006	0.2198	µg/m ³	V0
Ammonium Ion	0.00004	0.1343	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0334	µg/m ³	V0
Calcium Ion	0.0021	0.0347	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	0.2133	µg/m ³	V0
Nitrate Ion	0.0002	0.2529	µg/m ³	V0
Sulphate Ion	0.0001	0.4631	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300858
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.9	°C	
Pressure		727.0	mmHg	
Particulate Matter	0.042	8.875	µg/m ³	V0
Sodium Ion	0.0006	0.1522	µg/m ³	V0
Ammonium Ion	0.00004	0.3022	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0303	µg/m ³	V0
Calcium Ion	0.0021	0.1193	µg/m ³	V0
Fluoride Ion	0.00001	0.0025	µg/m ³	V0
Chloride Ion	0.0014	0.0345	µg/m ³	V0
Nitrate Ion	0.0002	0.5173	µg/m ³	V0
Sulphate Ion	0.0001	0.9191	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300861
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		726.3	mmHg	
Particulate Matter	0.042	7.208	µg/m ³	V0
Sodium Ion	0.0006	0.1473	µg/m ³	V0
Ammonium Ion	0.00004	0.2513	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0302	µg/m ³	V0
Calcium Ion	0.0021	0.2257	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0400	µg/m ³	V0
Nitrate Ion	0.0002	0.4630	µg/m ³	V0
Sulphate Ion	0.0001	0.7805	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300870
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.7	°C	
Pressure		701.8	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Sodium Ion	0.0006	0.0543	µg/m ³	V0
Ammonium Ion	0.00004	0.3741	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0083	µg/m ³	V0
Calcium Ion	0.0021	0.0458	µg/m ³	V0
Fluoride Ion	0.00001	0.0119	µg/m ³	V0
Chloride Ion	0.0014	0.0035	µg/m ³	V0
Nitrate Ion	0.0002	0.2962	µg/m ³	V0
Sulphate Ion	0.0001	0.9668	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300879
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.6	°C	
Pressure		705.7	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Sodium Ion	0.0006	0.0748	µg/m ³	V0
Ammonium Ion	0.00004	0.4936	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0128	µg/m ³	V0
Calcium Ion	0.0021	0.0715	µg/m ³	V0
Fluoride Ion	0.00001	0.0070	µg/m ³	V0
Chloride Ion	0.0014	0.0043	µg/m ³	V0
Nitrate Ion	0.0002	0.6736	µg/m ³	V0
Sulphate Ion	0.0001	1.1168	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300884
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.5	°C	
Pressure		707.7	mmHg	
Particulate Matter	0.042	5.542	µg/m ³	V0
Sodium Ion	0.0006	0.0973	µg/m ³	V0
Ammonium Ion	0.00004	0.3828	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0184	µg/m ³	V0
Calcium Ion	0.0021	0.1267	µg/m ³	V0
Fluoride Ion	0.00001	0.0094	µg/m ³	V0
Chloride Ion	0.0014	0.0085	µg/m ³	V0
Nitrate Ion	0.0002	0.5257	µg/m ³	V0
Sulphate Ion	0.0001	1.0645	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300890
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.8	°C	
Pressure		730.5	mmHg	
Particulate Matter	0.042	8.500	µg/m ³	V0
Sodium Ion	0.0006	0.2214	µg/m ³	V0
Ammonium Ion	0.00004	0.4032	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0294	µg/m ³	V0
Calcium Ion	0.0021	0.3020	µg/m ³	V0
Fluoride Ion	0.00001	0.0105	µg/m ³	V0
Chloride Ion	0.0014	0.1125	µg/m ³	V0
Nitrate Ion	0.0002	1.0347	µg/m ³	V0
Sulphate Ion	0.0001	1.0215	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300898
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		719.0	mmHg	
Particulate Matter	0.042	7.792	µg/m ³	V0
Sodium Ion	0.0006	0.1378	µg/m ³	V0
Ammonium Ion	0.00004	0.3885	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0262	µg/m ³	V0
Calcium Ion	0.0021	0.3670	µg/m ³	V0
Fluoride Ion	0.00001	0.0091	µg/m ³	V0
Chloride Ion	0.0014	0.1386	µg/m ³	V0
Nitrate Ion	0.0002	0.7700	µg/m ³	V0
Sulphate Ion	0.0001	1.0863	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300902
Start Date:	2022-03-14 10:15	End Date:	2022-03-14 10:16	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Sodium Ion	0.0006	0.0032	µg/m ³	V0
Ammonium Ion	0.00004	0.0026	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0192	µg/m ³	V0
Fluoride Ion	0.00001	0.0060	µg/m ³	V0
Chloride Ion	0.0014	0.0051	µg/m ³	V0
Nitrate Ion	0.0002	0.0099	µg/m ³	V0
Sulphate Ion	0.0001	0.0028	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300906
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.8	°C	
Pressure		711.0	mmHg	
Particulate Matter	0.042	5.500	µg/m ³	V0
Sodium Ion	0.0006	0.0648	µg/m ³	V0
Ammonium Ion	0.00004	0.0845	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0187	µg/m ³	V0
Calcium Ion	0.0021	0.1132	µg/m ³	V0
Fluoride Ion	0.00001	0.0110	µg/m ³	V0
Chloride Ion	0.0014	0.1365	µg/m ³	V0
Nitrate Ion	0.0002	0.0396	µg/m ³	V0
Sulphate Ion	0.0001	0.1641	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-03-18 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-03-19 00:00

Set Index: 1
WBEA ID: 220300916
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.2	°C	
Pressure		727.2	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Sodium Ion	0.0006	0.0194	µg/m ³	V0
Ammonium Ion	0.00004	0.1490	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0048	µg/m ³	V0
Calcium Ion	0.0021	0.0241	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0055	µg/m ³	V0
Nitrate Ion	0.0002	0.0419	µg/m ³	V0
Sulphate Ion	0.0001	0.4245	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300921
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		704.4	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Sodium Ion	0.0006	0.0821	µg/m ³	V0
Ammonium Ion	0.00004	0.0440	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0192	µg/m ³	V0
Calcium Ion	0.0021	0.1123	µg/m ³	V0
Fluoride Ion	0.00001	0.0054	µg/m ³	V0
Chloride Ion	0.0014	0.1018	µg/m ³	V0
Nitrate Ion	0.0002	0.0476	µg/m ³	V0
Sulphate Ion	0.0001	0.1337	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220300926
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.0	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	2.875	µg/m ³	V0
Sodium Ion	0.0006	0.0361	µg/m ³	V0
Ammonium Ion	0.00004	0.0999	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0438	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0458	µg/m ³	V0
Nitrate Ion	0.0002	0.0401	µg/m ³	V0
Sulphate Ion	0.0001	0.2596	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300931
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.9	°C	
Pressure		725.2	mmHg	
Particulate Matter	0.042	6.458	µg/m ³	V0
Sodium Ion	0.0006	0.0314	µg/m ³	V0
Ammonium Ion	0.00004	0.0704	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0082	µg/m ³	V0
Calcium Ion	0.0021	0.0760	µg/m ³	V0
Fluoride Ion	0.00001	0.0011	µg/m ³	V0
Chloride Ion	0.0014	0.0236	µg/m ³	V0
Nitrate Ion	0.0002	0.1122	µg/m ³	V0
Sulphate Ion	0.0001	0.1702	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300938
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.7	°C	
Pressure		729.8	mmHg	
Particulate Matter	0.042	4.792	µg/m ³	V0
Sodium Ion	0.0006	0.0447	µg/m ³	V0
Ammonium Ion	0.00004	0.0934	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0057	µg/m ³	V0
Calcium Ion	0.0021	0.0700	µg/m ³	V0
Fluoride Ion	0.00001	0.0097	µg/m ³	V0
Chloride Ion	0.0014	0.0440	µg/m ³	V0
Nitrate Ion	0.0002	0.0806	µg/m ³	V0
Sulphate Ion	0.0001	0.2357	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220300958
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.4	°C	
Pressure		728.4	mmHg	
Particulate Matter	0.042	1.750	µg/m ³	V0
Sodium Ion	0.0006	0.0536	µg/m ³	V0
Ammonium Ion	0.00004	0.0459	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0036	µg/m ³	V0
Calcium Ion	0.0021	0.0332	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0759	µg/m ³	V0
Nitrate Ion	0.0002	0.0306	µg/m ³	V0
Sulphate Ion	0.0001	0.1316	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300968
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.6	°C	
Pressure		719.6	mmHg	
Particulate Matter	0.042	3.375	µg/m ³	V0
Sodium Ion	0.0006	0.1987	µg/m ³	V0
Ammonium Ion	0.00004	0.0999	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0621	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	0.2580	µg/m ³	V0
Nitrate Ion	0.0002	0.1066	µg/m ³	V0
Sulphate Ion	0.0001	0.2962	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300975
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.6	°C	
Pressure		710.1	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Sodium Ion	0.0006	0.0288	µg/m ³	V0
Ammonium Ion	0.00004	0.0638	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0260	µg/m ³	V0
Fluoride Ion	0.00001	0.0085	µg/m ³	V0
Chloride Ion	0.0014	0.0305	µg/m ³	V0
Nitrate Ion	0.0002	0.0370	µg/m ³	V0
Sulphate Ion	0.0001	0.1853	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-03-18 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-03-19 00:00**

Set Index: **1**
WBEA ID: **220300981**
Duration: **24.0 hr**

Notes

Small white fibers observed on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		731.7	mmHg	
Particulate Matter	0.042	12.292	µg/m ³	V0
Sodium Ion	0.0006	2.5129	µg/m ³	V4
Ammonium Ion	0.00004	0.0649	µg/m ³	V0
Potassium Ion	0.0001	0.1013	µg/m ³	V0
Magnesium Ion	0.00005	0.0271	µg/m ³	V0
Calcium Ion	0.0021	0.2576	µg/m ³	V0
Fluoride Ion	0.00001	0.0094	µg/m ³	V0
Chloride Ion	0.0014	3.9063	µg/m ³	V4
Nitrate Ion	0.0002	0.1926	µg/m ³	V0
Sulphate Ion	0.0001	0.2604	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301014
Start Date:	2022-03-22 12:20	End Date:	2022-03-22 12:21	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Sodium Ion	0.0006	0.0016	µg/m ³	V0
Ammonium Ion	0.00004	0.0037	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0111	µg/m ³	V0
Fluoride Ion	0.00001	0.0064	µg/m ³	V0
Chloride Ion	0.0014	0.0040	µg/m ³	V0
Nitrate Ion	0.0002	0.0106	µg/m ³	V0
Sulphate Ion	0.0001	0.0016	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-03-24 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-03-25 00:00

Set Index: 1
WBEA ID: 220300989
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		739.0	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Sodium Ion	0.0006	0.2809	µg/m ³	V0
Ammonium Ion	0.00004	0.2118	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0356	µg/m ³	V0
Calcium Ion	0.0021	0.0391	µg/m ³	V0
Fluoride Ion	0.00001	0.0068	µg/m ³	V0
Chloride Ion	0.0014	0.2337	µg/m ³	V0
Nitrate Ion	0.0002	0.2318	µg/m ³	V0
Sulphate Ion	0.0001	0.8672	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300993
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.8	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	14.083	µg/m ³	V0
Sodium Ion	0.0006	0.1895	µg/m ³	V0
Ammonium Ion	0.00004	0.1979	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0472	µg/m ³	V0
Calcium Ion	0.0021	0.6553	µg/m ³	V0
Fluoride Ion	0.00001	0.0006	µg/m ³	V0
Chloride Ion	0.0014	0.1712	µg/m ³	V0
Nitrate Ion	0.0002	0.1897	µg/m ³	V0
Sulphate Ion	0.0001	0.8318	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-03-24 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-03-25 00:00

Set Index: 1
WBEA ID: 220300996
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.7	°C	
Pressure		741.6	mmHg	
Particulate Matter	0.042	13.875	µg/m ³	V0
Sodium Ion	0.0006	0.2020	µg/m ³	V0
Ammonium Ion	0.00004	0.2166	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0393	µg/m ³	V0
Calcium Ion	0.0021	0.5088	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.1598	µg/m ³	V0
Nitrate Ion	0.0002	0.2088	µg/m ³	V0
Sulphate Ion	0.0001	0.8093	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300998
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.8	°C	
Pressure		711.8	mmHg	
Particulate Matter	0.042	2.167	µg/m ³	V0
Sodium Ion	0.0006	0.0441	µg/m ³	V0
Ammonium Ion	0.00004	0.1933	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0076	µg/m ³	V0
Calcium Ion	0.0021	0.0279	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.0083	µg/m ³	V0
Nitrate Ion	0.0002	0.0733	µg/m ³	V0
Sulphate Ion	0.0001	0.7369	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220301009
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.2	°C	
Pressure		738.7	mmHg	
Particulate Matter	0.042	4.375	µg/m ³	V0
Sodium Ion	0.0006	0.1773	µg/m ³	V0
Ammonium Ion	0.00004	0.2030	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0307	µg/m ³	V0
Calcium Ion	0.0021	0.1061	µg/m ³	V0
Fluoride Ion	0.00001	0.0041	µg/m ³	V0
Chloride Ion	0.0014	0.1341	µg/m ³	V0
Nitrate Ion	0.0002	0.1702	µg/m ³	V0
Sulphate Ion	0.0001	0.7863	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301019
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.5	°C	
Pressure		740.5	mmHg	
Particulate Matter	0.042	12.625	µg/m ³	V0
Sodium Ion	0.0006	0.1795	µg/m ³	V0
Ammonium Ion	0.00004	0.2229	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0412	µg/m ³	V0
Calcium Ion	0.0021	0.3382	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	0.1273	µg/m ³	V0
Nitrate Ion	0.0002	0.2022	µg/m ³	V0
Sulphate Ion	0.0001	0.8351	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301032
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.2	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	5.042	µg/m ³	V0
Sodium Ion	0.0006	0.0849	µg/m ³	V0
Ammonium Ion	0.00004	0.3978	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0187	µg/m ³	V0
Calcium Ion	0.0021	0.1082	µg/m ³	V0
Fluoride Ion	0.00001	0.0017	µg/m ³	V0
Chloride Ion	0.0014	0.0130	µg/m ³	V0
Nitrate Ion	0.0002	0.1202	µg/m ³	V0
Sulphate Ion	0.0001	1.6812	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301055
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.9	°C	
Pressure		730.2	mmHg	
Particulate Matter	0.042	12.458	µg/m ³	V0
Sodium Ion	0.0006	0.2539	µg/m ³	V0
Ammonium Ion	0.00004	0.5387	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0296	µg/m ³	V0
Calcium Ion	0.0021	0.7623	µg/m ³	V0
Fluoride Ion	0.00001	0.0052	µg/m ³	V0
Chloride Ion	0.0014	0.2074	µg/m ³	V0
Nitrate Ion	0.0002	0.2407	µg/m ³	V0
Sulphate Ion	0.0001	1.6720	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301062
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.6	°C	
Pressure		719.0	mmHg	
Particulate Matter	0.042	6.458	µg/m ³	V0
Sodium Ion	0.0006	0.1189	µg/m ³	V0
Ammonium Ion	0.00004	0.3890	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0237	µg/m ³	V0
Calcium Ion	0.0021	0.2750	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	0.0333	µg/m ³	V0
Nitrate Ion	0.0002	0.1686	µg/m ³	V0
Sulphate Ion	0.0001	1.3299	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-03-24 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-03-25 00:00**

Set Index: **1**
WBEA ID: **220301066**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.9	°C	
Pressure		742.3	mmHg	
Particulate Matter	0.042	12.333	µg/m ³	V0
Sodium Ion	0.0006	0.2154	µg/m ³	V0
Ammonium Ion	0.00004	0.4160	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0297	µg/m ³	V0
Calcium Ion	0.0021	0.6250	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.1613	µg/m ³	V0
Nitrate Ion	0.0002	0.2218	µg/m ³	V0
Sulphate Ion	0.0001	1.3371	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301076
Start Date:	2022-03-25 08:00	End Date:	2022-03-25 08:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0008	µg/m ³	V0
Ammonium Ion	0.00004	0.0035	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0038	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0016	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0016	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301082
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.3	°C	
Pressure		719.0	mmHg	
Particulate Matter	0.042	29.875	µg/m ³	V0
Sodium Ion	0.0006	0.1479	µg/m ³	V0
Ammonium Ion	0.00004	0.5466	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0324	µg/m ³	V0
Calcium Ion	0.0021	1.4085	µg/m ³	V0
Fluoride Ion	0.00001	0.0131	µg/m ³	V0
Chloride Ion	0.0014	0.1060	µg/m ³	V0
Nitrate Ion	0.0002	0.4365	µg/m ³	V0
Sulphate Ion	0.0001	1.5424	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301089
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.8	°C	
Pressure		709.5	mmHg	
Particulate Matter	0.042	12.792	µg/m ³	V0
Sodium Ion	0.0006	0.0646	µg/m ³	V0
Ammonium Ion	0.00004	0.3210	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0192	µg/m ³	V0
Calcium Ion	0.0021	0.7747	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0337	µg/m ³	V0
Nitrate Ion	0.0002	0.1895	µg/m ³	V0
Sulphate Ion	0.0001	0.8918	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220301092
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.4	°C	
Pressure		728.8	mmHg	
Particulate Matter	0.042	16.375	µg/m ³	V0
Sodium Ion	0.0006	0.1136	µg/m ³	V0
Ammonium Ion	0.00004	0.2688	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0343	µg/m ³	V0
Calcium Ion	0.0021	0.5704	µg/m ³	V0
Fluoride Ion	0.00001	0.0038	µg/m ³	V0
Chloride Ion	0.0014	0.0724	µg/m ³	V0
Nitrate Ion	0.0002	0.2224	µg/m ³	V0
Sulphate Ion	0.0001	0.8204	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-03-31 00:00

Set Index: 1
WBEA ID: 220301095
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.1	°C	
Pressure		730.7	mmHg	
Particulate Matter	0.042	37.333	µg/m ³	V0
Sodium Ion	0.0006	0.1225	µg/m ³	V0
Ammonium Ion	0.00004	0.2925	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0413	µg/m ³	V0
Calcium Ion	0.0021	1.5492	µg/m ³	V0
Fluoride Ion	0.00001	0.0028	µg/m ³	V0
Chloride Ion	0.0014	0.0699	µg/m ³	V0
Nitrate Ion	0.0002	0.2734	µg/m ³	V0
Sulphate Ion	0.0001	0.9363	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-03-30 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-03-31 00:00**

Set Index: **1**
WBEA ID: **220301100**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.1	°C	
Pressure		731.3	mmHg	
Particulate Matter	0.042	29.167	µg/m ³	V0
Sodium Ion	0.0006	0.3839	µg/m ³	V0
Ammonium Ion	0.00004	0.4645	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0360	µg/m ³	V0
Calcium Ion	0.0021	1.9201	µg/m ³	V0
Fluoride Ion	0.00001	0.0056	µg/m ³	V0
Chloride Ion	0.0014	0.4373	µg/m ³	V0
Nitrate Ion	0.0002	0.4056	µg/m ³	V0
Sulphate Ion	0.0001	1.3856	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301106
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.9	°C	
Pressure		729.9	mmHg	
Particulate Matter	0.042	46.750	µg/m ³	V0
Sodium Ion	0.0006	0.1161	µg/m ³	V0
Ammonium Ion	0.00004	0.3564	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0477	µg/m ³	V0
Calcium Ion	0.0021	2.1843	µg/m ³	V0
Fluoride Ion	0.00001	0.0080	µg/m ³	V0
Chloride Ion	0.0014	0.0419	µg/m ³	V0
Nitrate Ion	0.0002	0.3783	µg/m ³	V0
Sulphate Ion	0.0001	1.1527	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220301137
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.9	°C	
Pressure		725.5	mmHg	
Particulate Matter	0.042	35.000	µg/m ³	V0
Sodium Ion	0.0006	0.2296	µg/m ³	V0
Ammonium Ion	0.00004	0.3210	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0551	µg/m ³	V0
Calcium Ion	0.0021	1.8555	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.3040	µg/m ³	V0
Nitrate Ion	0.0002	0.3233	µg/m ³	V0
Sulphate Ion	0.0001	1.1155	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220301148
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.0	°C	
Pressure		702.9	mmHg	
Particulate Matter	0.042	22.875	µg/m ³	V0
Sodium Ion	0.0006	0.2457	µg/m ³	V0
Ammonium Ion	0.00004	0.3650	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0675	µg/m ³	V0
Calcium Ion	0.0021	0.7777	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.3058	µg/m ³	V0
Nitrate Ion	0.0002	0.1847	µg/m ³	V0
Sulphate Ion	0.0001	1.0395	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301154
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

PM10 A error - Valid sampling time 23:58, Total: 24:00. Low sample volume due to failing pump.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.4	m ³	V6
Temperature		6.9	°C	
Pressure		709.9	mmHg	
Particulate Matter	0.042	6.581	µg/m ³	V0
Sodium Ion	0.0006	0.0518	µg/m ³	V0
Ammonium Ion	0.00004	0.3263	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0322	µg/m ³	V0
Calcium Ion	0.0021	0.2308	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0370	µg/m ³	V0
Nitrate Ion	0.0002	0.1061	µg/m ³	V0
Sulphate Ion	0.0001	0.8731	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-03-31 00:00

Set Index: 1
WBEA ID: 220301133
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	
Temperature		2.1	°C	
Pressure		728.5	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	
Sodium Ion	0.0006	0.0906	µg/m ³	
Ammonium Ion	0.00004	0.2444	µg/m ³	
Potassium Ion	0.0001	0.0000	µg/m ³	
Magnesium Ion	0.00005	0.0147	µg/m ³	
Calcium Ion	0.0021	0.1060	µg/m ³	
Fluoride Ion	0.00001	0.0000	µg/m ³	
Chloride Ion	0.0014	0.0238	µg/m ³	
Nitrate Ion	0.0002	0.1814	µg/m ³	
Sulphate Ion	0.0001	0.7411	µg/m ³	
Phosphate Ion	0.0018	0.0000	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220301199
Start Date:	2022-03-31 11:20	End Date:	2022-03-31 11:21	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	0.0019	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0093	µg/m ³	V0
Fluoride Ion	0.00001	0.0002	µg/m ³	V0
Chloride Ion	0.0014	0.0052	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301184
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.4	°C	
Pressure		717.1	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Sodium Ion	0.0006	0.0589	µg/m ³	V0
Ammonium Ion	0.00004	0.3114	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0155	µg/m ³	V0
Calcium Ion	0.0021	0.1522	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0399	µg/m ³	V0
Nitrate Ion	0.0002	0.1662	µg/m ³	V0
Sulphate Ion	0.0001	0.8261	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301192
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.9	°C	
Pressure		707.0	mmHg	
Particulate Matter	0.042	2.667	µg/m ³	V0
Sodium Ion	0.0006	0.0138	µg/m ³	V0
Ammonium Ion	0.00004	0.2805	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0104	µg/m ³	V0
Calcium Ion	0.0021	0.0602	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.0047	µg/m ³	V0
Nitrate Ion	0.0002	0.0608	µg/m ³	V0
Sulphate Ion	0.0001	0.7305	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220301203
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.4	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	7.000	µg/m ³	V0
Sodium Ion	0.0006	0.2253	µg/m ³	V0
Ammonium Ion	0.00004	0.3360	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0201	µg/m ³	V0
Calcium Ion	0.0021	0.2157	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.2701	µg/m ³	V0
Nitrate Ion	0.0002	0.2852	µg/m ³	V0
Sulphate Ion	0.0001	0.8975	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220401212
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.0	°C	
Pressure		726.3	mmHg	
Particulate Matter	0.042	4.958	µg/m ³	V0
Sodium Ion	0.0006	0.0499	µg/m ³	V0
Ammonium Ion	0.00004	0.2786	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0100	µg/m ³	V0
Calcium Ion	0.0021	0.1436	µg/m ³	V0
Fluoride Ion	0.00001	0.0019	µg/m ³	V0
Chloride Ion	0.0014	0.0299	µg/m ³	V0
Nitrate Ion	0.0002	0.1723	µg/m ³	V0
Sulphate Ion	0.0001	0.6923	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220401215
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.1	°C	
Pressure		728.1	mmHg	
Particulate Matter	0.042	6.292	µg/m ³	V0
Sodium Ion	0.0006	0.0441	µg/m ³	V0
Ammonium Ion	0.00004	0.4106	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0111	µg/m ³	V0
Calcium Ion	0.0021	0.3405	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	0.0258	µg/m ³	V0
Nitrate Ion	0.0002	0.3165	µg/m ³	V0
Sulphate Ion	0.0001	1.0149	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401222
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87120/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V6
Temperature		7.6	°C	
Pressure		727.5	mmHg	
Particulate Matter	0.042	7.934	µg/m ³	V0
Sodium Ion	0.0006	0.0359	µg/m ³	V0
Ammonium Ion	0.00004	0.3245	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0152	µg/m ³	V0
Calcium Ion	0.0021	0.3222	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	0.0165	µg/m ³	V0
Nitrate Ion	0.0002	0.3412	µg/m ³	V0
Sulphate Ion	0.0001	0.7752	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401236
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.0	°C	
Pressure		725.3	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Sodium Ion	0.0006	0.0149	µg/m ³	V0
Ammonium Ion	0.00004	0.2287	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0093	µg/m ³	V0
Calcium Ion	0.0021	0.0445	µg/m ³	V0
Fluoride Ion	0.00001	0.0001	µg/m ³	V0
Chloride Ion	0.0014	0.0063	µg/m ³	V0
Nitrate Ion	0.0002	0.0452	µg/m ³	V0
Sulphate Ion	0.0001	0.6224	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401243
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.5	°C	
Pressure		700.5	mmHg	
Particulate Matter	0.042	2.417	µg/m ³	V0
Sodium Ion	0.0006	0.0052	µg/m ³	V0
Ammonium Ion	0.00004	0.2368	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0047	µg/m ³	V0
Calcium Ion	0.0021	0.0254	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0246	µg/m ³	V0
Sulphate Ion	0.0001	0.6048	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401248
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.4	°C	
Pressure		722.9	mmHg	
Particulate Matter	0.042	23.958	µg/m ³	V0
Sodium Ion	0.0006	0.0433	µg/m ³	V0
Ammonium Ion	0.00004	0.2349	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0263	µg/m ³	V0
Calcium Ion	0.0021	0.5153	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0304	µg/m ³	V0
Nitrate Ion	0.0002	0.2290	µg/m ³	V0
Sulphate Ion	0.0001	0.6269	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401256
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.5	°C	
Pressure		707.6	mmHg	
Particulate Matter	0.042	3.542	µg/m ³	V0
Sodium Ion	0.0006	0.0117	µg/m ³	V0
Ammonium Ion	0.00004	0.3482	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0097	µg/m ³	V0
Calcium Ion	0.0021	0.0534	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0031	µg/m ³	V0
Nitrate Ion	0.0002	0.0564	µg/m ³	V0
Sulphate Ion	0.0001	0.8922	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401265
Start Date:	2022-04-06 09:00	End Date:	2022-04-06 09:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	1.542	µg/m ³	V0
Sodium Ion	0.0006	0.0630	µg/m ³	V0
Ammonium Ion	0.00004	0.1221	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0099	µg/m ³	V0
Calcium Ion	0.0021	0.0227	µg/m ³	V0
Fluoride Ion	0.00001	0.0025	µg/m ³	V0
Chloride Ion	0.0014	0.0402	µg/m ³	V0
Nitrate Ion	0.0002	0.0969	µg/m ³	V0
Sulphate Ion	0.0001	0.5741	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-04-11 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-04-12 00:00

Set Index: 1
WBEA ID: 220401272
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.2	°C	
Pressure		735.1	mmHg	
Particulate Matter	0.042	12.542	µg/m ³	V0
Sodium Ion	0.0006	0.0364	µg/m ³	V0
Ammonium Ion	0.00004	0.1307	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0155	µg/m ³	V0
Calcium Ion	0.0021	0.3418	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0398	µg/m ³	V0
Nitrate Ion	0.0002	0.0715	µg/m ³	V0
Sulphate Ion	0.0001	0.4452	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Conklin
Start Date: 2022-04-11 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-04-12 00:00

Set Index: 1
WBEA ID: 220401278
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.5	°C	
Pressure		710.3	mmHg	
Particulate Matter	0.042	7.292	µg/m ³	V0
Sodium Ion	0.0006	0.0292	µg/m ³	V0
Ammonium Ion	0.00004	0.2056	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0103	µg/m ³	V0
Calcium Ion	0.0021	0.0965	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	0.0176	µg/m ³	V0
Nitrate Ion	0.0002	0.0526	µg/m ³	V0
Sulphate Ion	0.0001	0.6757	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401287
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.4	°C	
Pressure		717.5	mmHg	
Particulate Matter	0.042	7.708	µg/m ³	V0
Sodium Ion	0.0006	0.0253	µg/m ³	V0
Ammonium Ion	0.00004	0.2246	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0128	µg/m ³	V0
Calcium Ion	0.0021	0.0953	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0120	µg/m ³	V0
Nitrate Ion	0.0002	0.0524	µg/m ³	V0
Sulphate Ion	0.0001	0.7504	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401303
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		717.4	mmHg	
Particulate Matter	0.042	7.667	µg/m ³	V0
Sodium Ion	0.0006	0.0246	µg/m ³	V0
Ammonium Ion	0.00004	0.1237	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0096	µg/m ³	V0
Calcium Ion	0.0021	0.0919	µg/m ³	V0
Fluoride Ion	0.00001	0.0016	µg/m ³	V0
Chloride Ion	0.0014	0.0117	µg/m ³	V0
Nitrate Ion	0.0002	0.0619	µg/m ³	V0
Sulphate Ion	0.0001	0.3840	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220401314
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.6	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	10.375	µg/m ³	V0
Sodium Ion	0.0006	0.0325	µg/m ³	V0
Ammonium Ion	0.00004	0.1478	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0204	µg/m ³	V0
Calcium Ion	0.0021	0.2542	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0222	µg/m ³	V0
Nitrate Ion	0.0002	0.0689	µg/m ³	V0
Sulphate Ion	0.0001	0.6540	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-04-11 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-04-12 00:00

Set Index: 1
WBEA ID: 220401317
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.6	°C	
Pressure		740.2	mmHg	
Particulate Matter	0.042	18.708	µg/m ³	V0
Sodium Ion	0.0006	0.0482	µg/m ³	V0
Ammonium Ion	0.00004	0.1301	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0230	µg/m ³	V0
Calcium Ion	0.0021	0.3308	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0358	µg/m ³	V0
Nitrate Ion	0.0002	0.0797	µg/m ³	V0
Sulphate Ion	0.0001	0.4564	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401323
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

Small white fibers observed on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.3	°C	
Pressure		739.1	mmHg	
Particulate Matter	0.042	24.542	µg/m ³	V0
Sodium Ion	0.0006	0.0451	µg/m ³	V0
Ammonium Ion	0.00004	0.1365	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0212	µg/m ³	V0
Calcium Ion	0.0021	0.5214	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	0.0386	µg/m ³	V0
Nitrate Ion	0.0002	0.0883	µg/m ³	V0
Sulphate Ion	0.0001	0.4990	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-04-11 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-04-12 00:00**

Set Index: **1**
WBEA ID: **220401338**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.8	°C	
Pressure		740.7	mmHg	
Particulate Matter	0.042	26.458	µg/m ³	V0
Sodium Ion	0.0006	0.0643	µg/m ³	V0
Ammonium Ion	0.00004	0.2013	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0215	µg/m ³	V0
Calcium Ion	0.0021	0.4338	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0578	µg/m ³	V0
Nitrate Ion	0.0002	0.1077	µg/m ³	V0
Sulphate Ion	0.0001	0.6909	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401341
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		729.0	mmHg	
Particulate Matter	0.042	31.833	µg/m ³	V0
Sodium Ion	0.0006	0.0674	µg/m ³	V0
Ammonium Ion	0.00004	0.1854	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0259	µg/m ³	V0
Calcium Ion	0.0021	0.4992	µg/m ³	V0
Fluoride Ion	0.00001	0.0013	µg/m ³	V0
Chloride Ion	0.0014	0.0479	µg/m ³	V0
Nitrate Ion	0.0002	0.1247	µg/m ³	V0
Sulphate Ion	0.0001	0.6935	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-04-11 10:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-04-12 10:00

Set Index: 1
WBEA ID: 220401269
Duration: 24.0 hr

Notes

Timer set incorrectly on sampler.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		742.7	mmHg	
Particulate Matter	0.042	0.167	µg/m ³	V0
Sodium Ion	0.0006	0.0358	µg/m ³	V0
Ammonium Ion	0.00004	0.1469	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0078	µg/m ³	V0
Calcium Ion	0.0021	0.0467	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	0.0179	µg/m ³	V0
Nitrate Ion	0.0002	0.0632	µg/m ³	V0
Sulphate Ion	0.0001	0.4440	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401420
Start Date:	2022-04-14 08:15	End Date:	2022-04-14 08:16	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	0.0011	µg/m ³	V0
Ammonium Ion	0.00004	0.0024	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0039	µg/m ³	V0
Fluoride Ion	0.00001	0.0027	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401353
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.9	°C	
Pressure		714.9	mmHg	
Particulate Matter	0.042	24.375	µg/m ³	V0
Sodium Ion	0.0006	0.2505	µg/m ³	V0
Ammonium Ion	0.00004	0.2663	µg/m ³	V0
Potassium Ion	0.0001	0.0205	µg/m ³	V0
Magnesium Ion	0.00005	0.0435	µg/m ³	V0
Calcium Ion	0.0021	0.8741	µg/m ³	V0
Fluoride Ion	0.00001	0.0058	µg/m ³	V0
Chloride Ion	0.0014	0.3709	µg/m ³	V0
Nitrate Ion	0.0002	0.1634	µg/m ³	V0
Sulphate Ion	0.0001	0.8083	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401362
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.2	°C	
Pressure		722.5	mmHg	
Particulate Matter	0.042	6.542	µg/m ³	V0
Sodium Ion	0.0006	0.0589	µg/m ³	V0
Ammonium Ion	0.00004	0.2637	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0248	µg/m ³	V0
Calcium Ion	0.0021	0.2029	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0693	µg/m ³	V0
Nitrate Ion	0.0002	0.1266	µg/m ³	V0
Sulphate Ion	0.0001	0.7697	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-04-17 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-04-18 00:00

Set Index: 1
WBEA ID: 220401366
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.7	°C	
Pressure		738.7	mmHg	
Particulate Matter	0.042	106.792	µg/m ³	V0
Sodium Ion	0.0006	0.4510	µg/m ³	V0
Ammonium Ion	0.00004	0.1961	µg/m ³	V0
Potassium Ion	0.0001	0.0346	µg/m ³	V0
Magnesium Ion	0.00005	0.1060	µg/m ³	V0
Calcium Ion	0.0021	2.8238	µg/m ³	V0
Fluoride Ion	0.00001	0.0038	µg/m ³	V0
Chloride Ion	0.0014	0.9299	µg/m ³	V4
Nitrate Ion	0.0002	0.2596	µg/m ³	V0
Sulphate Ion	0.0001	1.0897	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401372
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.8	°C	
Pressure		742.8	mmHg	
Particulate Matter	0.042	49.125	µg/m ³	V0
Sodium Ion	0.0006	0.1264	µg/m ³	V0
Ammonium Ion	0.00004	0.2830	µg/m ³	V0
Potassium Ion	0.0001	0.0237	µg/m ³	V0
Magnesium Ion	0.00005	0.0464	µg/m ³	V0
Calcium Ion	0.0021	1.5114	µg/m ³	V0
Fluoride Ion	0.00001	0.0001	µg/m ³	V0
Chloride Ion	0.0014	0.0752	µg/m ³	V0
Nitrate Ion	0.0002	0.3017	µg/m ³	V0
Sulphate Ion	0.0001	1.0655	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-04-17 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-04-18 00:00

Set Index: 1
WBEA ID: 220401385
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		741.6	mmHg	
Particulate Matter	0.042	24.958	µg/m ³	V0
Sodium Ion	0.0006	0.0820	µg/m ³	V0
Ammonium Ion	0.00004	0.2276	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0343	µg/m ³	V0
Calcium Ion	0.0021	0.9986	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.0775	µg/m ³	V0
Nitrate Ion	0.0002	0.2218	µg/m ³	V0
Sulphate Ion	0.0001	0.8331	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-04-17 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-04-18 00:00

Set Index: 1
WBEA ID: 220401388
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.9	°C	
Pressure		743.8	mmHg	
Particulate Matter	0.042	64.875	µg/m ³	V0
Sodium Ion	0.0006	0.1873	µg/m ³	V0
Ammonium Ion	0.00004	0.3387	µg/m ³	V0
Potassium Ion	0.0001	0.0339	µg/m ³	V0
Magnesium Ion	0.00005	0.0560	µg/m ³	V0
Calcium Ion	0.0021	1.5041	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.1013	µg/m ³	V0
Nitrate Ion	0.0002	0.4134	µg/m ³	V0
Sulphate Ion	0.0001	1.3871	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-04-17 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-04-18 00:00**

Set Index: **1**
WBEA ID: **220401393**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.9	°C	
Pressure		744.5	mmHg	
Particulate Matter	0.042	23.917	µg/m ³	V0
Sodium Ion	0.0006	0.1987	µg/m ³	V0
Ammonium Ion	0.00004	0.4289	µg/m ³	V0
Potassium Ion	0.0001	0.0413	µg/m ³	V0
Magnesium Ion	0.00005	0.0257	µg/m ³	V0
Calcium Ion	0.0021	1.3332	µg/m ³	V0
Fluoride Ion	0.00001	0.0093	µg/m ³	V0
Chloride Ion	0.0014	0.2233	µg/m ³	V0
Nitrate Ion	0.0002	0.3567	µg/m ³	V0
Sulphate Ion	0.0001	1.3472	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401399
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.4	°C	
Pressure		741.6	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Sodium Ion	0.0006	0.1598	µg/m ³	V0
Ammonium Ion	0.00004	0.2133	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0229	µg/m ³	V0
Calcium Ion	0.0021	0.0407	µg/m ³	V0
Fluoride Ion	0.00001	0.0017	µg/m ³	V0
Chloride Ion	0.0014	0.1620	µg/m ³	V0
Nitrate Ion	0.0002	0.1896	µg/m ³	V0
Sulphate Ion	0.0001	0.7189	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401403
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.3	°C	
Pressure		732.2	mmHg	
Particulate Matter	0.042	19.542	µg/m ³	V0
Sodium Ion	0.0006	0.2024	µg/m ³	V0
Ammonium Ion	0.00004	0.4867	µg/m ³	V0
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.0242	µg/m ³	V0
Calcium Ion	0.0021	1.0288	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.2276	µg/m ³	V0
Nitrate Ion	0.0002	0.4012	µg/m ³	V0
Sulphate Ion	0.0001	1.4462	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401418
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.0	°C	
Pressure		721.8	mmHg	
Particulate Matter	0.042	11.375	µg/m ³	V0
Sodium Ion	0.0006	0.0431	µg/m ³	V0
Ammonium Ion	0.00004	0.3051	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0171	µg/m ³	V0
Calcium Ion	0.0021	0.3752	µg/m ³	V0
Fluoride Ion	0.00001	0.0016	µg/m ³	V0
Chloride Ion	0.0014	0.0222	µg/m ³	V0
Nitrate Ion	0.0002	0.1843	µg/m ³	V0
Sulphate Ion	0.0001	0.8946	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401850
Start Date:	2022-04-20 14:25	End Date:	2022-04-20 14:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0016	µg/m ³	V0
Ammonium Ion	0.00004	0.0025	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0122	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0153	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401425
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.5	°C	
Pressure		737.3	mmHg	
Particulate Matter	0.042	74.292	µg/m ³	V0
Sodium Ion	0.0006	0.1359	µg/m ³	V0
Ammonium Ion	0.00004	0.3725	µg/m ³	V0
Potassium Ion	0.0001	0.0252	µg/m ³	V0
Magnesium Ion	0.00005	0.0906	µg/m ³	V0
Calcium Ion	0.0021	2.9072	µg/m ³	V0
Fluoride Ion	0.00001	0.0012	µg/m ³	V0
Chloride Ion	0.0014	0.2515	µg/m ³	V0
Nitrate Ion	0.0002	0.4192	µg/m ³	V0
Sulphate Ion	0.0001	1.6407	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401433
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.8	°C	
Pressure		740.1	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Sodium Ion	0.0006	0.0230	µg/m ³	V0
Ammonium Ion	0.00004	0.4161	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0081	µg/m ³	V0
Calcium Ion	0.0021	0.0577	µg/m ³	V0
Fluoride Ion	0.00001	0.0017	µg/m ³	V0
Chloride Ion	0.0014	0.0060	µg/m ³	V0
Nitrate Ion	0.0002	0.1127	µg/m ³	V0
Sulphate Ion	0.0001	1.1084	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401862
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.3	°C	
Pressure		714.2	mmHg	
Particulate Matter	0.042	9.792	µg/m ³	V0
Sodium Ion	0.0006	0.0280	µg/m ³	V0
Ammonium Ion	0.00004	0.4559	µg/m ³	V0
Potassium Ion	0.0001	0.0138	µg/m ³	V0
Magnesium Ion	0.00005	0.0368	µg/m ³	V0
Calcium Ion	0.0021	0.4052	µg/m ³	V0
Fluoride Ion	0.00001	0.0018	µg/m ³	V0
Chloride Ion	0.0014	0.0349	µg/m ³	V0
Nitrate Ion	0.0002	0.1106	µg/m ³	V0
Sulphate Ion	0.0001	1.1640	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401874
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.4	°C	
Pressure		721.5	mmHg	
Particulate Matter	0.042	15.000	µg/m ³	V0
Sodium Ion	0.0006	0.0476	µg/m ³	V0
Ammonium Ion	0.00004	0.4449	µg/m ³	V0
Potassium Ion	0.0001	0.0201	µg/m ³	V0
Magnesium Ion	0.00005	0.0431	µg/m ³	V0
Calcium Ion	0.0021	0.4644	µg/m ³	V0
Fluoride Ion	0.00001	0.0033	µg/m ³	V0
Chloride Ion	0.0014	0.0649	µg/m ³	V0
Nitrate Ion	0.0002	0.1953	µg/m ³	V0
Sulphate Ion	0.0001	1.1403	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401881
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.0	°C	
Pressure		740.5	mmHg	
Particulate Matter	0.042	13.250	µg/m ³	V0
Sodium Ion	0.0006	0.0377	µg/m ³	V0
Ammonium Ion	0.00004	0.4166	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0287	µg/m ³	V0
Calcium Ion	0.0021	0.3547	µg/m ³	V0
Fluoride Ion	0.00001	0.0017	µg/m ³	V0
Chloride Ion	0.0014	0.0422	µg/m ³	V0
Nitrate Ion	0.0002	0.1727	µg/m ³	V0
Sulphate Ion	0.0001	1.0877	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401884
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.5	°C	
Pressure		742.4	mmHg	
Particulate Matter	0.042	21.667	µg/m ³	V0
Sodium Ion	0.0006	0.0641	µg/m ³	V0
Ammonium Ion	0.00004	0.3933	µg/m ³	V0
Potassium Ion	0.0001	0.0172	µg/m ³	V0
Magnesium Ion	0.00005	0.0297	µg/m ³	V0
Calcium Ion	0.0021	0.6605	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0607	µg/m ³	V0
Nitrate Ion	0.0002	0.2169	µg/m ³	V0
Sulphate Ion	0.0001	1.0776	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401890
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.3	°C	
Pressure		741.5	mmHg	
Particulate Matter	0.042	27.167	µg/m ³	V0
Sodium Ion	0.0006	0.0661	µg/m ³	V0
Ammonium Ion	0.00004	0.4039	µg/m ³	V0
Potassium Ion	0.0001	0.0191	µg/m ³	V0
Magnesium Ion	0.00005	0.0269	µg/m ³	V0
Calcium Ion	0.0021	1.3897	µg/m ³	V0
Fluoride Ion	0.00001	0.0015	µg/m ³	V0
Chloride Ion	0.0014	0.0410	µg/m ³	V0
Nitrate Ion	0.0002	0.2496	µg/m ³	V0
Sulphate Ion	0.0001	1.1118	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401913
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.4	°C	
Pressure		721.0	mmHg	
Particulate Matter	0.042	12.417	µg/m ³	V0
Sodium Ion	0.0006	0.0398	µg/m ³	V0
Ammonium Ion	0.00004	0.4051	µg/m ³	V0
Potassium Ion	0.0001	0.0143	µg/m ³	V0
Magnesium Ion	0.00005	0.0243	µg/m ³	V0
Calcium Ion	0.0021	0.4093	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0201	µg/m ³	V0
Nitrate Ion	0.0002	0.1995	µg/m ³	V0
Sulphate Ion	0.0001	1.0643	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-04-23 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-04-24 00:00**

Set Index: **1**
WBEA ID: **220401919**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.0	°C	
Pressure		743.2	mmHg	
Particulate Matter	0.042	39.667	µg/m ³	V0
Sodium Ion	0.0006	0.2216	µg/m ³	V0
Ammonium Ion	0.00004	0.4822	µg/m ³	V0
Potassium Ion	0.0001	0.0727	µg/m ³	V0
Magnesium Ion	0.00005	0.0437	µg/m ³	V0
Calcium Ion	0.0021	2.3338	µg/m ³	V0
Fluoride Ion	0.00001	0.0048	µg/m ³	V0
Chloride Ion	0.0014	0.2473	µg/m ³	V0
Nitrate Ion	0.0002	0.4726	µg/m ³	V0
Sulphate Ion	0.0001	1.4926	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401927
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.7	°C	
Pressure		731.0	mmHg	
Particulate Matter	0.042	37.917	µg/m ³	V0
Sodium Ion	0.0006	0.2481	µg/m ³	V0
Ammonium Ion	0.00004	0.4994	µg/m ³	V0
Potassium Ion	0.0001	0.0400	µg/m ³	V0
Magnesium Ion	0.00005	0.0411	µg/m ³	V0
Calcium Ion	0.0021	2.1517	µg/m ³	V0
Fluoride Ion	0.00001	0.0039	µg/m ³	V0
Chloride Ion	0.0014	0.2831	µg/m ³	V0
Nitrate Ion	0.0002	0.4281	µg/m ³	V0
Sulphate Ion	0.0001	1.5120	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401972
Start Date:	2022-04-26 14:10	End Date:	2022-04-26 14:11	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0012	µg/m ³	V0
Ammonium Ion	0.00004	0.0030	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0072	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0050	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401957
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.9	°C	
Pressure		734.5	mmHg	
Particulate Matter	0.042	17.917	µg/m ³	V0
Sodium Ion	0.0006	0.0509	µg/m ³	V0
Ammonium Ion	0.00004	0.1943	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0286	µg/m ³	V0
Calcium Ion	0.0021	0.7551	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0876	µg/m ³	V0
Nitrate Ion	0.0002	0.0971	µg/m ³	V0
Sulphate Ion	0.0001	0.5938	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-04-29 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-04-30 00:00**

Set Index: **1**
WBEA ID: **220401969**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.5	°C	
Pressure		740.4	mmHg	
Particulate Matter	0.042	18.500	µg/m ³	V0
Sodium Ion	0.0006	0.2647	µg/m ³	V0
Ammonium Ion	0.00004	0.2342	µg/m ³	V0
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.0214	µg/m ³	V0
Calcium Ion	0.0021	1.2249	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	0.3210	µg/m ³	V0
Nitrate Ion	0.0002	0.2018	µg/m ³	V0
Sulphate Ion	0.0001	0.7678	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401978
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.7	°C	
Pressure		718.7	mmHg	
Particulate Matter	0.042	1.958	µg/m ³	V0
Sodium Ion	0.0006	0.0057	µg/m ³	V0
Ammonium Ion	0.00004	0.1034	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0431	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0275	µg/m ³	V0
Nitrate Ion	0.0002	0.0238	µg/m ³	V0
Sulphate Ion	0.0001	0.2845	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-04-29 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-04-30 00:00

Set Index: 1
WBEA ID: 220401983
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.1	°C	
Pressure		728.1	mmHg	
Particulate Matter	0.042	16.625	µg/m ³	V0
Sodium Ion	0.0006	0.1003	µg/m ³	V0
Ammonium Ion	0.00004	0.2963	µg/m ³	V0
Potassium Ion	0.0001	0.0161	µg/m ³	V0
Magnesium Ion	0.00005	0.0224	µg/m ³	V0
Calcium Ion	0.0021	1.3582	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1044	µg/m ³	V0
Nitrate Ion	0.0002	0.2382	µg/m ³	V0
Sulphate Ion	0.0001	0.9042	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401989
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.3	°C	
Pressure		711.5	mmHg	
Particulate Matter	0.042	2.500	µg/m ³	V0
Sodium Ion	0.0006	0.0068	µg/m ³	V0
Ammonium Ion	0.00004	0.0726	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0117	µg/m ³	V0
Calcium Ion	0.0021	0.1172	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0392	µg/m ³	V0
Nitrate Ion	0.0002	0.0171	µg/m ³	V0
Sulphate Ion	0.0001	0.1922	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401993
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.1	°C	
Pressure		718.1	mmHg	
Particulate Matter	0.042	4.083	µg/m ³	V0
Sodium Ion	0.0006	0.0207	µg/m ³	V0
Ammonium Ion	0.00004	0.1558	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0112	µg/m ³	V0
Calcium Ion	0.0021	0.1653	µg/m ³	V0
Fluoride Ion	0.00001	0.0057	µg/m ³	V0
Chloride Ion	0.0014	0.0326	µg/m ³	V0
Nitrate Ion	0.0002	0.0572	µg/m ³	V0
Sulphate Ion	0.0001	0.4206	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220402031
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.9	°C	
Pressure		738.8	mmHg	
Particulate Matter	0.042	27.250	µg/m ³	V0
Sodium Ion	0.0006	0.0636	µg/m ³	V0
Ammonium Ion	0.00004	0.2084	µg/m ³	V0
Potassium Ion	0.0001	0.0181	µg/m ³	V0
Magnesium Ion	0.00005	0.0281	µg/m ³	V0
Calcium Ion	0.0021	0.8196	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0348	µg/m ³	V0
Nitrate Ion	0.0002	0.1388	µg/m ³	V0
Sulphate Ion	0.0001	0.6322	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-04-29 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-04-30 00:00

Set Index: 1
WBEA ID: 220402047
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.3	°C	
Pressure		739.7	mmHg	
Particulate Matter	0.042	31.167	µg/m ³	V0
Sodium Ion	0.0006	0.0918	µg/m ³	V0
Ammonium Ion	0.00004	0.1974	µg/m ³	V0
Potassium Ion	0.0001	0.0215	µg/m ³	V0
Magnesium Ion	0.00005	0.0307	µg/m ³	V0
Calcium Ion	0.0021	0.7364	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	0.0636	µg/m ³	V0
Nitrate Ion	0.0002	0.1489	µg/m ³	V0
Sulphate Ion	0.0001	0.6223	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220402050
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

Accidentally dropped sample upon collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.6	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	8.583	µg/m ³	V0
Sodium Ion	0.0006	0.0418	µg/m ³	V0
Ammonium Ion	0.00004	0.2262	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0193	µg/m ³	V0
Calcium Ion	0.0021	0.2361	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0543	µg/m ³	V0
Nitrate Ion	0.0002	0.0890	µg/m ³	V0
Sulphate Ion	0.0001	0.6064	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502105
Start Date:	2022-05-03 15:45	End Date:	2022-05-03 15:46	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	0.0026	µg/m ³	V0
Ammonium Ion	0.00004	0.0007	µg/m ³	V0
Potassium Ion	0.0001	0.0027	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0092	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0068	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502061
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.7	°C	
Pressure		708.5	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Sodium Ion	0.0006	0.0080	µg/m ³	V0
Ammonium Ion	0.00004	0.1704	µg/m ³	V0
Potassium Ion	0.0001	0.0128	µg/m ³	V0
Magnesium Ion	0.00005	0.0163	µg/m ³	V0
Calcium Ion	0.0021	0.1764	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0029	µg/m ³	V0
Nitrate Ion	0.0002	0.0586	µg/m ³	V0
Sulphate Ion	0.0001	0.4104	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-05-05 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-05-06 00:00**

Set Index: **1**
WBEA ID: **220502067**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		729.8	mmHg	
Particulate Matter	0.042	21.125	µg/m ³	V0
Sodium Ion	0.0006	0.3795	µg/m ³	V0
Ammonium Ion	0.00004	0.1429	µg/m ³	V0
Potassium Ion	0.0001	0.0337	µg/m ³	V0
Magnesium Ion	0.00005	0.0241	µg/m ³	V0
Calcium Ion	0.0021	1.1407	µg/m ³	V0
Fluoride Ion	0.00001	0.0003	µg/m ³	V0
Chloride Ion	0.0014	0.5068	µg/m ³	V0
Nitrate Ion	0.0002	0.0960	µg/m ³	V0
Sulphate Ion	0.0001	0.3869	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502077
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.3	°C	
Pressure		717.6	mmHg	
Particulate Matter	0.042	11.083	µg/m ³	V0
Sodium Ion	0.0006	0.1080	µg/m ³	V0
Ammonium Ion	0.00004	0.1461	µg/m ³	V0
Potassium Ion	0.0001	0.0243	µg/m ³	V0
Magnesium Ion	0.00005	0.0205	µg/m ³	V0
Calcium Ion	0.0021	0.5795	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.1501	µg/m ³	V0
Nitrate Ion	0.0002	0.0804	µg/m ³	V0
Sulphate Ion	0.0001	0.3609	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-05-05 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-05-06 00:00

Set Index: 1
WBEA ID: 220502090
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.8	°C	
Pressure		726.5	mmHg	
Particulate Matter	0.042	65.292	µg/m ³	V0
Sodium Ion	0.0006	0.1170	µg/m ³	V0
Ammonium Ion	0.00004	0.9637	µg/m ³	V0
Potassium Ion	0.0001	0.0403	µg/m ³	V0
Magnesium Ion	0.00005	0.0601	µg/m ³	V0
Calcium Ion	0.0021	2.1563	µg/m ³	V0
Fluoride Ion	0.00001	0.0003	µg/m ³	V0
Chloride Ion	0.0014	0.0937	µg/m ³	V0
Nitrate Ion	0.0002	0.2278	µg/m ³	V0
Sulphate Ion	0.0001	2.9653	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502094
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.1	°C	
Pressure		726.8	mmHg	
Particulate Matter	0.042	33.042	µg/m ³	V0
Sodium Ion	0.0006	0.1410	µg/m ³	V0
Ammonium Ion	0.00004	0.8227	µg/m ³	V0
Potassium Ion	0.0001	0.0272	µg/m ³	V0
Magnesium Ion	0.00005	0.0339	µg/m ³	V0
Calcium Ion	0.0021	1.5744	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1050	µg/m ³	V0
Nitrate Ion	0.0002	0.2014	µg/m ³	V0
Sulphate Ion	0.0001	2.4094	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-05-05 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-05-06 00:00

Set Index: 1
WBEA ID: 220502097
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.3	°C	
Pressure		728.7	mmHg	
Particulate Matter	0.042	19.458	µg/m ³	V0
Sodium Ion	0.0006	0.0758	µg/m ³	V0
Ammonium Ion	0.00004	0.8664	µg/m ³	V0
Potassium Ion	0.0001	0.0337	µg/m ³	V0
Magnesium Ion	0.00005	0.0204	µg/m ³	V0
Calcium Ion	0.0021	1.4405	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0784	µg/m ³	V0
Nitrate Ion	0.0002	0.1261	µg/m ³	V0
Sulphate Ion	0.0001	2.4129	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502109
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		728.0	mmHg	
Particulate Matter	0.042	36.250	µg/m ³	V0
Sodium Ion	0.0006	0.0996	µg/m ³	V0
Ammonium Ion	0.00004	0.9529	µg/m ³	V0
Potassium Ion	0.0001	0.0321	µg/m ³	V0
Magnesium Ion	0.00005	0.0342	µg/m ³	V0
Calcium Ion	0.0021	2.2787	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0674	µg/m ³	V0
Nitrate Ion	0.0002	0.2153	µg/m ³	V0
Sulphate Ion	0.0001	2.8636	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502136
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		701.5	mmHg	
Particulate Matter	0.042	9.917	µg/m ³	V0
Sodium Ion	0.0006	0.0665	µg/m ³	V0
Ammonium Ion	0.00004	0.2018	µg/m ³	V0
Potassium Ion	0.0001	0.0199	µg/m ³	V0
Magnesium Ion	0.00005	0.0485	µg/m ³	V0
Calcium Ion	0.0021	0.3906	µg/m ³	V0
Fluoride Ion	0.00001	0.0006	µg/m ³	V0
Chloride Ion	0.0014	0.0918	µg/m ³	V0
Nitrate Ion	0.0002	0.0859	µg/m ³	V0
Sulphate Ion	0.0001	0.4763	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502140
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.1	°C	
Pressure		708.8	mmHg	
Particulate Matter	0.042	5.125	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.1660	µg/m ³	V0
Potassium Ion	0.0001	0.0180	µg/m ³	V0
Magnesium Ion	0.00005	0.0250	µg/m ³	V0
Calcium Ion	0.0021	0.1360	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0070	µg/m ³	V0
Nitrate Ion	0.0002	0.0750	µg/m ³	V0
Sulphate Ion	0.0001	0.3870	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502148
Start Date:	2022-05-06 10:00	End Date:	2022-05-06 10:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0012	µg/m ³	V0
Ammonium Ion	0.00004	0.0007	µg/m ³	V0
Potassium Ion	0.0001	0.0018	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0049	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0024	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Patricia McInnes**
Start Date: **2022-05-11 00:00**

Samp Use: **Exposure**
Loc ID: **PATM**
End Date: **2022-05-12 00:00**

Set Index: **1**
WBEA ID: **220502150**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.8	°C	
Pressure		726.9	mmHg	
Particulate Matter	0.042	14.542	µg/m ³	V0
Sodium Ion	0.0006	0.0590	µg/m ³	V0
Ammonium Ion	0.00004	0.2209	µg/m ³	V0
Potassium Ion	0.0001	0.0200	µg/m ³	V0
Magnesium Ion	0.00005	0.0205	µg/m ³	V0
Calcium Ion	0.0021	0.6763	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0443	µg/m ³	V0
Nitrate Ion	0.0002	0.1232	µg/m ³	V0
Sulphate Ion	0.0001	0.5769	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-05-12 00:00

Set Index: 1
WBEA ID: 220502159
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.5	°C	
Pressure		736.4	mmHg	
Particulate Matter	0.042	17.208	µg/m ³	V0
Sodium Ion	0.0006	0.0386	µg/m ³	V0
Ammonium Ion	0.00004	0.1534	µg/m ³	V0
Potassium Ion	0.0001	0.0092	µg/m ³	V0
Magnesium Ion	0.00005	0.0188	µg/m ³	V0
Calcium Ion	0.0021	0.2623	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0095	µg/m ³	V0
Nitrate Ion	0.0002	0.0729	µg/m ³	V0
Sulphate Ion	0.0001	0.4139	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-05-12 00:00

Set Index: 1
WBEA ID: 220502162
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.2	°C	
Pressure		738.2	mmHg	
Particulate Matter	0.042	12.542	µg/m ³	V0
Sodium Ion	0.0006	0.0424	µg/m ³	V0
Ammonium Ion	0.00004	0.1254	µg/m ³	V0
Potassium Ion	0.0001	0.0123	µg/m ³	V0
Magnesium Ion	0.00005	0.0177	µg/m ³	V0
Calcium Ion	0.0021	1.1358	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0103	µg/m ³	V0
Nitrate Ion	0.0002	0.0860	µg/m ³	V0
Sulphate Ion	0.0001	0.4005	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502178
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

Low sample volume due to failing pump.
Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.1	m ³	V6
Temperature		10.8	°C	
Pressure		737.5	mmHg	
Particulate Matter	0.042	14.502	µg/m ³	V0
Sodium Ion	0.0006	0.0477	µg/m ³	V0
Ammonium Ion	0.00004	0.1343	µg/m ³	V0
Potassium Ion	0.0001	0.0109	µg/m ³	V0
Magnesium Ion	0.00005	0.0197	µg/m ³	V0
Calcium Ion	0.0021	1.2520	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0268	µg/m ³	V0
Nitrate Ion	0.0002	0.0952	µg/m ³	V0
Sulphate Ion	0.0001	0.4338	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-05-12 00:00

Set Index: 1
WBEA ID: 220502183
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.9	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	26.708	µg/m ³	V0
Sodium Ion	0.0006	0.0625	µg/m ³	V0
Ammonium Ion	0.00004	0.1611	µg/m ³	V0
Potassium Ion	0.0001	0.0139	µg/m ³	V0
Magnesium Ion	0.00005	0.0370	µg/m ³	V0
Calcium Ion	0.0021	0.6932	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0214	µg/m ³	V0
Nitrate Ion	0.0002	0.1006	µg/m ³	V0
Sulphate Ion	0.0001	0.5667	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-05-11 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-05-12 00:00**

Set Index: **1**
WBEA ID: **220502188**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.8	°C	
Pressure		739.2	mmHg	
Particulate Matter	0.042	12.500	µg/m ³	V0
Sodium Ion	0.0006	0.0542	µg/m ³	V0
Ammonium Ion	0.00004	0.2108	µg/m ³	V0
Potassium Ion	0.0001	0.0154	µg/m ³	V0
Magnesium Ion	0.00005	0.0169	µg/m ³	V0
Calcium Ion	0.0021	0.6656	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0539	µg/m ³	V0
Nitrate Ion	0.0002	0.0715	µg/m ³	V0
Sulphate Ion	0.0001	0.5498	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-05-12 00:00

Set Index: 1
WBEA ID: 220502202
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.3	°C	
Pressure		739.9	mmHg	
Particulate Matter	0.042	2.333	µg/m ³	V0
Sodium Ion	0.0006	0.0530	µg/m ³	V0
Ammonium Ion	0.00004	0.1623	µg/m ³	V0
Potassium Ion	0.0001	0.0077	µg/m ³	V0
Magnesium Ion	0.00005	0.0073	µg/m ³	V0
Calcium Ion	0.0021	0.0195	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0115	µg/m ³	V0
Nitrate Ion	0.0002	0.0568	µg/m ³	V0
Sulphate Ion	0.0001	0.5047	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502208
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.3	°C	
Pressure		710.8	mmHg	
Particulate Matter	0.042	21.167	µg/m ³	V0
Sodium Ion	0.0006	0.1774	µg/m ³	V0
Ammonium Ion	0.00004	0.1903	µg/m ³	V0
Potassium Ion	0.0001	0.0174	µg/m ³	V0
Magnesium Ion	0.00005	0.0390	µg/m ³	V0
Calcium Ion	0.0021	0.6747	µg/m ³	V0
Fluoride Ion	0.00001	0.0026	µg/m ³	V0
Chloride Ion	0.0014	0.2010	µg/m ³	V0
Nitrate Ion	0.0002	0.0657	µg/m ³	V0
Sulphate Ion	0.0001	0.5120	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502214
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.9	°C	
Pressure		718.3	mmHg	
Particulate Matter	0.042	4.375	µg/m ³	V0
Sodium Ion	0.0006	0.0200	µg/m ³	V0
Ammonium Ion	0.00004	0.1721	µg/m ³	V0
Potassium Ion	0.0001	0.0122	µg/m ³	V0
Magnesium Ion	0.00005	0.0175	µg/m ³	V0
Calcium Ion	0.0021	0.1616	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0167	µg/m ³	V0
Nitrate Ion	0.0002	0.0475	µg/m ³	V0
Sulphate Ion	0.0001	0.4518	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502218
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.7	°C	
Pressure		717.4	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Sodium Ion	0.0006	0.0111	µg/m ³	V0
Ammonium Ion	0.00004	0.1782	µg/m ³	V0
Potassium Ion	0.0001	0.0070	µg/m ³	V0
Magnesium Ion	0.00005	0.0062	µg/m ³	V0
Calcium Ion	0.0021	0.0622	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0067	µg/m ³	V0
Nitrate Ion	0.0002	0.0240	µg/m ³	V0
Sulphate Ion	0.0001	0.4608	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502230
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.7	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Sodium Ion	0.0006	0.0065	µg/m ³	V0
Ammonium Ion	0.00004	0.1691	µg/m ³	V0
Potassium Ion	0.0001	0.0083	µg/m ³	V0
Magnesium Ion	0.00005	0.0027	µg/m ³	V0
Calcium Ion	0.0021	0.0216	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0044	µg/m ³	V0
Nitrate Ion	0.0002	0.0188	µg/m ³	V0
Sulphate Ion	0.0001	0.4249	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502240
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.7	°C	
Pressure		735.1	mmHg	
Particulate Matter	0.042	6.708	µg/m ³	V0
Sodium Ion	0.0006	0.0139	µg/m ³	V0
Ammonium Ion	0.00004	0.2725	µg/m ³	V0
Potassium Ion	0.0001	0.0110	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.6358	µg/m ³	V0
Fluoride Ion	0.00001	0.0012	µg/m ³	V0
Chloride Ion	0.0014	0.0085	µg/m ³	V0
Nitrate Ion	0.0002	0.0721	µg/m ³	V0
Sulphate Ion	0.0001	0.6441	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-05-17 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-05-18 00:00

Set Index: 1
WBEA ID: 220502255
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		731.3	mmHg	
Particulate Matter	0.042	7.458	µg/m ³	V0
Sodium Ion	0.0006	0.0165	µg/m ³	V0
Ammonium Ion	0.00004	0.2826	µg/m ³	V0
Potassium Ion	0.0001	0.0138	µg/m ³	V0
Magnesium Ion	0.00005	0.0108	µg/m ³	V0
Calcium Ion	0.0021	0.5669	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0088	µg/m ³	V0
Nitrate Ion	0.0002	0.0862	µg/m ³	V0
Sulphate Ion	0.0001	0.6700	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-05-17 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-05-18 00:00

Set Index: 1
WBEA ID: 220502258
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.2	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	6.667	µg/m ³	V0
Sodium Ion	0.0006	0.0166	µg/m ³	V0
Ammonium Ion	0.00004	0.2235	µg/m ³	V0
Potassium Ion	0.0001	0.0176	µg/m ³	V0
Magnesium Ion	0.00005	0.0088	µg/m ³	V0
Calcium Ion	0.0021	0.3361	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0099	µg/m ³	V0
Nitrate Ion	0.0002	0.0561	µg/m ³	V0
Sulphate Ion	0.0001	0.5331	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-05-17 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-05-18 00:00**

Set Index: **1**
WBEA ID: **220502263**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.4	°C	
Pressure		736.9	mmHg	
Particulate Matter	0.042	8.625	µg/m ³	V0
Sodium Ion	0.0006	0.0365	µg/m ³	V0
Ammonium Ion	0.00004	0.1565	µg/m ³	V0
Potassium Ion	0.0001	0.0208	µg/m ³	V0
Magnesium Ion	0.00005	0.0180	µg/m ³	V0
Calcium Ion	0.0021	0.4219	µg/m ³	V0
Fluoride Ion	0.00001	0.0008	µg/m ³	V0
Chloride Ion	0.0014	0.0547	µg/m ³	V0
Nitrate Ion	0.0002	0.0595	µg/m ³	V0
Sulphate Ion	0.0001	0.3834	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502266
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.5	°C	
Pressure		724.6	mmHg	
Particulate Matter	0.042	8.083	µg/m ³	V0
Sodium Ion	0.0006	0.0346	µg/m ³	V0
Ammonium Ion	0.00004	0.1719	µg/m ³	V0
Potassium Ion	0.0001	0.0195	µg/m ³	V0
Magnesium Ion	0.00005	0.0243	µg/m ³	V0
Calcium Ion	0.0021	0.3825	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0420	µg/m ³	V0
Nitrate Ion	0.0002	0.0693	µg/m ³	V0
Sulphate Ion	0.0001	0.4143	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Fort Hills**
Start Date: **2022-05-17 00:00**

Samp Use: **Exposure**
Loc ID: **FTHL**
End Date: **2022-05-18 00:00**

Set Index: **1**
WBEA ID: **220502271**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.9	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	23.000	µg/m ³	V0
Sodium Ion	0.0006	0.0294	µg/m ³	V0
Ammonium Ion	0.00004	0.4826	µg/m ³	V0
Potassium Ion	0.0001	0.0136	µg/m ³	V0
Magnesium Ion	0.00005	0.0284	µg/m ³	V0
Calcium Ion	0.0021	0.9062	µg/m ³	V0
Fluoride Ion	0.00001	0.0015	µg/m ³	V0
Chloride Ion	0.0014	0.0154	µg/m ³	V0
Nitrate Ion	0.0002	0.1469	µg/m ³	V0
Sulphate Ion	0.0001	1.2431	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502280
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.5	°C	
Pressure		709.9	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Sodium Ion	0.0006	0.0065	µg/m ³	V0
Ammonium Ion	0.00004	0.0733	µg/m ³	V0
Potassium Ion	0.0001	0.0141	µg/m ³	V0
Magnesium Ion	0.00005	0.0165	µg/m ³	V0
Calcium Ion	0.0021	0.1162	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0087	µg/m ³	V0
Nitrate Ion	0.0002	0.0291	µg/m ³	V0
Sulphate Ion	0.0001	0.2054	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502288
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.3	°C	
Pressure		716.2	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	0.0590	µg/m ³	V0
Potassium Ion	0.0001	0.0119	µg/m ³	V0
Magnesium Ion	0.00005	0.0071	µg/m ³	V0
Calcium Ion	0.0021	0.0405	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0100	µg/m ³	V0
Nitrate Ion	0.0002	0.0172	µg/m ³	V0
Sulphate Ion	0.0001	0.1846	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Anzac
Start Date: 2022-05-17 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-05-18 00:00

Set Index: 1
WBEA ID: 220502293
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.1	°C	
Pressure		715.4	mmHg	
Particulate Matter	0.042	3.167	µg/m ³	V0
Sodium Ion	0.0006	0.0045	µg/m ³	V0
Ammonium Ion	0.00004	0.0940	µg/m ³	V0
Potassium Ion	0.0001	0.1671	µg/m ³	V4
Magnesium Ion	0.00005	0.0095	µg/m ³	V0
Calcium Ion	0.0021	0.0979	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1424	µg/m ³	V0
Nitrate Ion	0.0002	0.0271	µg/m ³	V0
Sulphate Ion	0.0001	0.2534	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502301
Start Date:	2022-05-19 08:10	End Date:	2022-05-19 08:11	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0023	µg/m ³	V0
Ammonium Ion	0.00004	0.0011	µg/m ³	V0
Potassium Ion	0.0001	0.0028	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0077	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0065	µg/m ³	V0
Nitrate Ion	0.0002	0.0180	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502307
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.9	°C	
Pressure		716.4	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Sodium Ion	0.0006	0.0068	µg/m ³	V0
Ammonium Ion	0.00004	0.1139	µg/m ³	V0
Potassium Ion	0.0001	0.0088	µg/m ³	V0
Magnesium Ion	0.00005	0.0101	µg/m ³	V0
Calcium Ion	0.0021	0.3524	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0072	µg/m ³	V0
Nitrate Ion	0.0002	0.0398	µg/m ³	V0
Sulphate Ion	0.0001	0.3109	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502311
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.4	°C	
Pressure		735.5	mmHg	
Particulate Matter	0.042	37.917	µg/m ³	V0
Sodium Ion	0.0006	0.0634	µg/m ³	V0
Ammonium Ion	0.00004	0.0696	µg/m ³	V0
Potassium Ion	0.0001	0.0127	µg/m ³	V0
Magnesium Ion	0.00005	0.0444	µg/m ³	V0
Calcium Ion	0.0021	1.8955	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1544	µg/m ³	V0
Nitrate Ion	0.0002	0.0368	µg/m ³	V0
Sulphate Ion	0.0001	0.4179	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-05-23 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-05-24 00:00**

Set Index: **1**
WBEA ID: **220502318**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.9	°C	
Pressure		738.5	mmHg	
Particulate Matter	0.042	21.958	µg/m ³	V0
Sodium Ion	0.0006	0.0605	µg/m ³	V0
Ammonium Ion	0.00004	0.1804	µg/m ³	V0
Potassium Ion	0.0001	0.0220	µg/m ³	V0
Magnesium Ion	0.00005	0.0209	µg/m ³	V0
Calcium Ion	0.0021	1.5352	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0232	µg/m ³	V0
Nitrate Ion	0.0002	0.1262	µg/m ³	V0
Sulphate Ion	0.0001	0.5212	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502329
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.5	°C	
Pressure		726.1	mmHg	
Particulate Matter	0.042	23.000	µg/m ³	V0
Sodium Ion	0.0006	0.0560	µg/m ³	V0
Ammonium Ion	0.00004	0.2525	µg/m ³	V0
Potassium Ion	0.0001	0.0227	µg/m ³	V0
Magnesium Ion	0.00005	0.0224	µg/m ³	V0
Calcium Ion	0.0021	1.8706	µg/m ³	V0
Fluoride Ion	0.00001	0.0006	µg/m ³	V0
Chloride Ion	0.0014	0.0296	µg/m ³	V0
Nitrate Ion	0.0002	0.1297	µg/m ³	V0
Sulphate Ion	0.0001	0.6958	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502336
Duration: 24.0 hr

Notes

Small insect on filter disc upon retrieval but it flew away once the disc was removed from the partisol.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.1	°C	
Pressure		733.4	mmHg	
Particulate Matter	0.042	16.000	µg/m ³	V0
Sodium Ion	0.0006	0.0238	µg/m ³	V0
Ammonium Ion	0.00004	0.0841	µg/m ³	V0
Potassium Ion	0.0001	0.0101	µg/m ³	V0
Magnesium Ion	0.00005	0.0227	µg/m ³	V0
Calcium Ion	0.0021	0.4287	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0152	µg/m ³	V0
Nitrate Ion	0.0002	0.0338	µg/m ³	V0
Sulphate Ion	0.0001	0.2850	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502339
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.1	°C	
Pressure		737.6	mmHg	
Particulate Matter	0.042	11.292	µg/m ³	V0
Sodium Ion	0.0006	0.0199	µg/m ³	V0
Ammonium Ion	0.00004	0.0784	µg/m ³	V0
Potassium Ion	0.0001	0.0101	µg/m ³	V0
Magnesium Ion	0.00005	0.0132	µg/m ³	V0
Calcium Ion	0.0021	0.6158	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0115	µg/m ³	V0
Nitrate Ion	0.0002	0.0327	µg/m ³	V0
Sulphate Ion	0.0001	0.2492	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502346
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.9	°C	
Pressure		709.2	mmHg	
Particulate Matter	0.042	4.375	µg/m ³	V0
Sodium Ion	0.0006	0.0071	µg/m ³	V0
Ammonium Ion	0.00004	0.1853	µg/m ³	V0
Potassium Ion	0.0001	0.0121	µg/m ³	V0
Magnesium Ion	0.00005	0.0098	µg/m ³	V0
Calcium Ion	0.0021	0.1277	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0090	µg/m ³	V0
Nitrate Ion	0.0002	0.0429	µg/m ³	V0
Sulphate Ion	0.0001	0.5118	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502354
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.7	°C	
Pressure		736.9	mmHg	
Particulate Matter	0.042	28.083	µg/m ³	V0
Sodium Ion	0.0006	0.0405	µg/m ³	V0
Ammonium Ion	0.00004	0.0819	µg/m ³	V0
Potassium Ion	0.0001	0.0125	µg/m ³	V0
Magnesium Ion	0.00005	0.0212	µg/m ³	V0
Calcium Ion	0.0021	1.6453	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	0.0338	µg/m ³	V0
Nitrate Ion	0.0002	0.0471	µg/m ³	V0
Sulphate Ion	0.0001	0.2966	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502373
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.8	°C	
Pressure		716.8	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Sodium Ion	0.0006	0.0058	µg/m ³	V0
Ammonium Ion	0.00004	0.1544	µg/m ³	V0
Potassium Ion	0.0001	0.0109	µg/m ³	V0
Magnesium Ion	0.00005	0.0071	µg/m ³	V0
Calcium Ion	0.0021	0.1237	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0034	µg/m ³	V0
Nitrate Ion	0.0002	0.0289	µg/m ³	V0
Sulphate Ion	0.0001	0.3983	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502316
Start Date:	2022-05-24 00:00	End Date:	2022-05-25 00:00	Duration:	24.0 hr

Notes

Sample deployed on day after NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.5	°C	
Pressure		739.4	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Sodium Ion	0.0006	0.0126	µg/m ³	V0
Ammonium Ion	0.00004	0.1587	µg/m ³	V0
Potassium Ion	0.0001	0.0073	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0209	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0088	µg/m ³	V0
Nitrate Ion	0.0002	0.0209	µg/m ³	V0
Sulphate Ion	0.0001	0.4135	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502398
Start Date:	2022-05-24 11:53	End Date:	2022-05-24 11:54	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Sodium Ion	0.0006	0.0007	µg/m ³	V0
Ammonium Ion	0.00004	0.0006	µg/m ³	V0
Potassium Ion	0.0001	0.0016	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0035	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0057	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-05-29 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-05-30 00:00

Set Index: 1
WBEA ID: 220502378
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.6	°C	
Pressure		728.6	mmHg	
Particulate Matter	0.042	12.125	µg/m ³	V0
Sodium Ion	0.0006	0.0158	µg/m ³	V0
Ammonium Ion	0.00004	0.0910	µg/m ³	V0
Potassium Ion	0.0001	0.0171	µg/m ³	V0
Magnesium Ion	0.00005	0.0203	µg/m ³	V0
Calcium Ion	0.0021	0.7495	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0301	µg/m ³	V0
Nitrate Ion	0.0002	0.0329	µg/m ³	V0
Sulphate Ion	0.0001	0.2706	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502390
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.6	°C	
Pressure		726.7	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Sodium Ion	0.0006	0.0042	µg/m ³	V0
Ammonium Ion	0.00004	0.0775	µg/m ³	V0
Potassium Ion	0.0001	0.0192	µg/m ³	V0
Magnesium Ion	0.00005	0.0062	µg/m ³	V0
Calcium Ion	0.0021	0.0473	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0050	µg/m ³	V0
Nitrate Ion	0.0002	0.0198	µg/m ³	V0
Sulphate Ion	0.0001	0.2125	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502394
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		703.6	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Sodium Ion	0.0006	0.0017	µg/m ³	V0
Ammonium Ion	0.00004	0.1075	µg/m ³	V0
Potassium Ion	0.0001	0.0152	µg/m ³	V0
Magnesium Ion	0.00005	0.0026	µg/m ³	V0
Calcium Ion	0.0021	0.0139	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0067	µg/m ³	V0
Nitrate Ion	0.0002	0.0101	µg/m ³	V0
Sulphate Ion	0.0001	0.2840	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-05-29 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-05-30 00:00

Set Index: 1
WBEA ID: 220502402
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.9	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	9.417	µg/m ³	V0
Sodium Ion	0.0006	0.0067	µg/m ³	V0
Ammonium Ion	0.00004	0.1266	µg/m ³	V0
Potassium Ion	0.0001	0.0242	µg/m ³	V0
Magnesium Ion	0.00005	0.0131	µg/m ³	V0
Calcium Ion	0.0021	0.1888	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0095	µg/m ³	V0
Nitrate Ion	0.0002	0.0314	µg/m ³	V0
Sulphate Ion	0.0001	0.3687	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502408
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.3	°C	
Pressure		710.4	mmHg	
Particulate Matter	0.042	4.167	µg/m ³	V0
Sodium Ion	0.0006	0.0019	µg/m ³	V0
Ammonium Ion	0.00004	0.1178	µg/m ³	V0
Potassium Ion	0.0001	0.0228	µg/m ³	V0
Magnesium Ion	0.00005	0.0088	µg/m ³	V0
Calcium Ion	0.0021	0.0350	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0087	µg/m ³	V0
Nitrate Ion	0.0002	0.0140	µg/m ³	V0
Sulphate Ion	0.0001	0.3113	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502413
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.2	°C	
Pressure		710.1	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Sodium Ion	0.0006	0.0033	µg/m ³	V0
Ammonium Ion	0.00004	0.1234	µg/m ³	V0
Potassium Ion	0.0001	0.0344	µg/m ³	V0
Magnesium Ion	0.00005	0.0057	µg/m ³	V0
Calcium Ion	0.0021	0.0500	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0069	µg/m ³	V0
Nitrate Ion	0.0002	0.0228	µg/m ³	V0
Sulphate Ion	0.0001	0.3218	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502421
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.7	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	17.208	µg/m ³	V0
Sodium Ion	0.0006	0.0075	µg/m ³	V0
Ammonium Ion	0.00004	0.0672	µg/m ³	V0
Potassium Ion	0.0001	0.0212	µg/m ³	V0
Magnesium Ion	0.00005	0.0154	µg/m ³	V0
Calcium Ion	0.0021	0.4338	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0123	µg/m ³	V0
Nitrate Ion	0.0002	0.0277	µg/m ³	V0
Sulphate Ion	0.0001	0.2169	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-05-29 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-05-30 00:00**

Set Index: **1**
WBEA ID: **220502438**
Duration: **24.0 hr**

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	22.292	µg/m ³	V0
Sodium Ion	0.0006	0.0296	µg/m ³	V0
Ammonium Ion	0.00004	0.1068	µg/m ³	V0
Potassium Ion	0.0001	0.0579	µg/m ³	V0
Magnesium Ion	0.00005	0.0189	µg/m ³	V0
Calcium Ion	0.0021	0.7596	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0294	µg/m ³	V0
Nitrate Ion	0.0002	0.0706	µg/m ³	V0
Sulphate Ion	0.0001	0.3230	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502442
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.1	°C	
Pressure		719.8	mmHg	
Particulate Matter	0.042	13.917	µg/m ³	V0
Sodium Ion	0.0006	0.0205	µg/m ³	V0
Ammonium Ion	0.00004	0.1504	µg/m ³	V0
Potassium Ion	0.0001	0.0265	µg/m ³	V0
Magnesium Ion	0.00005	0.0192	µg/m ³	V0
Calcium Ion	0.0021	0.5453	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0295	µg/m ³	V0
Nitrate Ion	0.0002	0.0519	µg/m ³	V0
Sulphate Ion	0.0001	0.4146	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502452
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.4	°C	
Pressure		732.6	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Sodium Ion	0.0006	0.0029	µg/m ³	V0
Ammonium Ion	0.00004	0.0944	µg/m ³	V0
Potassium Ion	0.0001	0.0151	µg/m ³	V0
Magnesium Ion	0.00005	0.0014	µg/m ³	V0
Calcium Ion	0.0021	0.0154	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0060	µg/m ³	V0
Nitrate Ion	0.0002	0.0122	µg/m ³	V0
Sulphate Ion	0.0001	0.2638	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602565
Start Date:	2022-06-03 11:25	End Date:	2022-06-03 11:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	0.0003	µg/m ³	V0
Potassium Ion	0.0001	0.0021	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0068	µg/m ³	V0
Fluoride Ion	0.00001	0.0070	µg/m ³	V0
Chloride Ion	0.0014	0.0026	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220502507
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		732.8	mmHg	
Particulate Matter	0.042	109.250	µg/m ³	V0
Sodium Ion	0.0006	0.2234	µg/m ³	V0
Ammonium Ion	0.00004	0.1148	µg/m ³	V0
Potassium Ion	0.0001	0.0433	µg/m ³	V0
Magnesium Ion	0.00005	0.0972	µg/m ³	V0
Calcium Ion	0.0021	2.6420	µg/m ³	V0
Fluoride Ion	0.00001	0.0063	µg/m ³	V0
Chloride Ion	0.0014	0.1206	µg/m ³	V0
Nitrate Ion	0.0002	0.1112	µg/m ³	V0
Sulphate Ion	0.0001	0.9297	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-06-04 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-06-05 00:00

Set Index: 1
WBEA ID: 220602513
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.6	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Sodium Ion	0.0006	0.0081	µg/m ³	V0
Ammonium Ion	0.00004	0.1004	µg/m ³	V0
Potassium Ion	0.0001	0.0136	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0415	µg/m ³	V0
Fluoride Ion	0.00001	0.0096	µg/m ³	V0
Chloride Ion	0.0014	0.0111	µg/m ³	V0
Nitrate Ion	0.0002	0.0111	µg/m ³	V0
Sulphate Ion	0.0001	0.2464	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-06-04 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-06-05 00:00

Set Index: 1
WBEA ID: 220602521
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		734.6	mmHg	
Particulate Matter	0.042	32.375	µg/m ³	V0
Sodium Ion	0.0006	0.3716	µg/m ³	V0
Ammonium Ion	0.00004	0.1209	µg/m ³	V0
Potassium Ion	0.0001	0.0211	µg/m ³	V0
Magnesium Ion	0.00005	0.0360	µg/m ³	V0
Calcium Ion	0.0021	1.7874	µg/m ³	V0
Fluoride Ion	0.00001	0.0115	µg/m ³	V0
Chloride Ion	0.0014	0.0538	µg/m ³	V0
Nitrate Ion	0.0002	0.0675	µg/m ³	V0
Sulphate Ion	0.0001	1.0137	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-06-04 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-06-05 00:00

Set Index: 1
WBEA ID: 220602524
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.4	°C	
Pressure		731.4	mmHg	
Particulate Matter	0.042	24.417	µg/m ³	V0
Sodium Ion	0.0006	0.2569	µg/m ³	V0
Ammonium Ion	0.00004	0.1277	µg/m ³	V0
Potassium Ion	0.0001	0.0189	µg/m ³	V0
Magnesium Ion	0.00005	0.0265	µg/m ³	V0
Calcium Ion	0.0021	1.4522	µg/m ³	V0
Fluoride Ion	0.00001	0.0097	µg/m ³	V0
Chloride Ion	0.0014	0.0374	µg/m ³	V0
Nitrate Ion	0.0002	0.0560	µg/m ³	V0
Sulphate Ion	0.0001	0.7686	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602529
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.7	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	29.042	µg/m ³	V0
Sodium Ion	0.0006	0.2616	µg/m ³	V0
Ammonium Ion	0.00004	0.1081	µg/m ³	V0
Potassium Ion	0.0001	0.0187	µg/m ³	V0
Magnesium Ion	0.00005	0.0302	µg/m ³	V0
Calcium Ion	0.0021	2.2916	µg/m ³	V0
Fluoride Ion	0.00001	0.0065	µg/m ³	V0
Chloride Ion	0.0014	0.0546	µg/m ³	V0
Nitrate Ion	0.0002	0.0510	µg/m ³	V0
Sulphate Ion	0.0001	0.7479	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-06-04 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-06-05 00:00**

Set Index: **1**
WBEA ID: **220602549**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		736.5	mmHg	
Particulate Matter	0.042	11.917	µg/m ³	V0
Sodium Ion	0.0006	0.0258	µg/m ³	V0
Ammonium Ion	0.00004	0.1031	µg/m ³	V0
Potassium Ion	0.0001	0.0212	µg/m ³	V0
Magnesium Ion	0.00005	0.0243	µg/m ³	V0
Calcium Ion	0.0021	0.4437	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0279	µg/m ³	V0
Nitrate Ion	0.0002	0.0308	µg/m ³	V0
Sulphate Ion	0.0001	0.2647	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602558
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

Poplar fluff found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		724.2	mmHg	
Particulate Matter	0.042	12.875	µg/m ³	V0
Sodium Ion	0.0006	0.0276	µg/m ³	V0
Ammonium Ion	0.00004	0.1011	µg/m ³	V0
Potassium Ion	0.0001	0.0331	µg/m ³	V0
Magnesium Ion	0.00005	0.0288	µg/m ³	V0
Calcium Ion	0.0021	0.3953	µg/m ³	V0
Fluoride Ion	0.00001	0.0122	µg/m ³	V0
Chloride Ion	0.0014	0.0309	µg/m ³	V0
Nitrate Ion	0.0002	0.0301	µg/m ³	V0
Sulphate Ion	0.0001	0.2554	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602567
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		717.2	mmHg	
Particulate Matter	0.042	8.708	µg/m ³	V0
Sodium Ion	0.0006	0.0086	µg/m ³	V0
Ammonium Ion	0.00004	0.1079	µg/m ³	V0
Potassium Ion	0.0001	0.0173	µg/m ³	V0
Magnesium Ion	0.00005	0.0214	µg/m ³	V0
Calcium Ion	0.0021	0.1443	µg/m ³	V0
Fluoride Ion	0.00001	0.0080	µg/m ³	V0
Chloride Ion	0.0014	0.0111	µg/m ³	V0
Nitrate Ion	0.0002	0.0248	µg/m ³	V0
Sulphate Ion	0.0001	0.2432	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602574
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		715.5	mmHg	
Particulate Matter	0.042	6.917	µg/m ³	V0
Sodium Ion	0.0006	0.0125	µg/m ³	V0
Ammonium Ion	0.00004	0.1063	µg/m ³	V0
Potassium Ion	0.0001	0.0172	µg/m ³	V0
Magnesium Ion	0.00005	0.0235	µg/m ³	V0
Calcium Ion	0.0021	0.2815	µg/m ³	V0
Fluoride Ion	0.00001	0.0079	µg/m ³	V0
Chloride Ion	0.0014	0.0157	µg/m ³	V0
Nitrate Ion	0.0002	0.0156	µg/m ³	V0
Sulphate Ion	0.0001	0.2578	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602580
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		708.3	mmHg	
Particulate Matter	0.042	20.958	µg/m ³	V0
Sodium Ion	0.0006	0.0791	µg/m ³	V0
Ammonium Ion	0.00004	0.1359	µg/m ³	V0
Potassium Ion	0.0001	0.0275	µg/m ³	V0
Magnesium Ion	0.00005	0.0590	µg/m ³	V0
Calcium Ion	0.0021	0.6259	µg/m ³	V0
Fluoride Ion	0.00001	0.0058	µg/m ³	V0
Chloride Ion	0.0014	0.1096	µg/m ³	V0
Nitrate Ion	0.0002	0.0489	µg/m ³	V0
Sulphate Ion	0.0001	0.3365	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602641
Start Date:	2022-06-09 12:35	End Date:	2022-06-09 12:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0035	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0024	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0050	µg/m ³	V0
Fluoride Ion	0.00001	0.0098	µg/m ³	V0
Chloride Ion	0.0014	0.0083	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602592
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.7	°C	
Pressure		703.0	mmHg	
Particulate Matter	0.042	5.958	µg/m ³	V0
Sodium Ion	0.0006	0.0067	µg/m ³	V0
Ammonium Ion	0.00004	0.2197	µg/m ³	V0
Potassium Ion	0.0001	0.0205	µg/m ³	V0
Magnesium Ion	0.00005	0.0111	µg/m ³	V0
Calcium Ion	0.0021	0.0459	µg/m ³	V0
Fluoride Ion	0.00001	0.0095	µg/m ³	V0
Chloride Ion	0.0014	0.0074	µg/m ³	V0
Nitrate Ion	0.0002	0.0414	µg/m ³	V0
Sulphate Ion	0.0001	0.5837	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602598
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.0	°C	
Pressure		711.2	mmHg	
Particulate Matter	0.042	7.667	µg/m ³	V0
Sodium Ion	0.0006	0.0057	µg/m ³	V0
Ammonium Ion	0.00004	0.1508	µg/m ³	V0
Potassium Ion	0.0001	0.0268	µg/m ³	V0
Magnesium Ion	0.00005	0.0146	µg/m ³	V0
Calcium Ion	0.0021	0.0545	µg/m ³	V0
Fluoride Ion	0.00001	0.0092	µg/m ³	V0
Chloride Ion	0.0014	0.0082	µg/m ³	V0
Nitrate Ion	0.0002	0.0498	µg/m ³	V0
Sulphate Ion	0.0001	0.4919	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602604
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.7	°C	
Pressure		720.6	mmHg	
Particulate Matter	0.042	20.458	µg/m ³	V0
Sodium Ion	0.0006	0.0214	µg/m ³	V0
Ammonium Ion	0.00004	0.3491	µg/m ³	V0
Potassium Ion	0.0001	0.0225	µg/m ³	V0
Magnesium Ion	0.00005	0.0428	µg/m ³	V0
Calcium Ion	0.0021	0.6587	µg/m ³	V0
Fluoride Ion	0.00001	0.0093	µg/m ³	V0
Chloride Ion	0.0014	0.0138	µg/m ³	V0
Nitrate Ion	0.0002	0.2625	µg/m ³	V0
Sulphate Ion	0.0001	0.9432	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602610
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		729.6	mmHg	
Particulate Matter	0.042	6.667	µg/m ³	V0
Sodium Ion	0.0006	0.0062	µg/m ³	V0
Ammonium Ion	0.00004	0.2287	µg/m ³	V0
Potassium Ion	0.0001	0.0193	µg/m ³	V0
Magnesium Ion	0.00005	0.0197	µg/m ³	V0
Calcium Ion	0.0021	0.0825	µg/m ³	V0
Fluoride Ion	0.00001	0.0098	µg/m ³	V0
Chloride Ion	0.0014	0.0061	µg/m ³	V0
Nitrate Ion	0.0002	0.0345	µg/m ³	V0
Sulphate Ion	0.0001	0.5367	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602618
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

Power outage caused short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		14.2	°C	
Pressure		708.8	mmHg	
Particulate Matter	0.042	6.835	µg/m ³	V0
Sodium Ion	0.0006	0.0068	µg/m ³	V0
Ammonium Ion	0.00004	0.2344	µg/m ³	V0
Potassium Ion	0.0001	0.0284	µg/m ³	V0
Magnesium Ion	0.00005	0.0159	µg/m ³	V0
Calcium Ion	0.0021	0.0736	µg/m ³	V0
Fluoride Ion	0.00001	0.0081	µg/m ³	V0
Chloride Ion	0.0014	0.0073	µg/m ³	V0
Nitrate Ion	0.0002	0.0734	µg/m ³	V0
Sulphate Ion	0.0001	0.6203	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-06-10 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-11 00:00

Set Index: 1
WBEA ID: 220602625
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.7	°C	
Pressure		730.2	mmHg	
Particulate Matter	0.042	14.000	µg/m ³	V0
Sodium Ion	0.0006	0.0728	µg/m ³	V0
Ammonium Ion	0.00004	0.1987	µg/m ³	V0
Potassium Ion	0.0001	0.0511	µg/m ³	V0
Magnesium Ion	0.00005	0.0456	µg/m ³	V0
Calcium Ion	0.0021	0.3281	µg/m ³	V0
Fluoride Ion	0.00001	0.0060	µg/m ³	V0
Chloride Ion	0.0014	0.0830	µg/m ³	V0
Nitrate Ion	0.0002	0.1721	µg/m ³	V0
Sulphate Ion	0.0001	0.5639	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602631
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.7	°C	
Pressure		718.3	mmHg	
Particulate Matter	0.042	9.875	µg/m ³	V0
Sodium Ion	0.0006	0.0190	µg/m ³	V0
Ammonium Ion	0.00004	0.2141	µg/m ³	V0
Potassium Ion	0.0001	0.0372	µg/m ³	V0
Magnesium Ion	0.00005	0.0253	µg/m ³	V0
Calcium Ion	0.0021	0.1622	µg/m ³	V0
Fluoride Ion	0.00001	0.0121	µg/m ³	V0
Chloride Ion	0.0014	0.0202	µg/m ³	V0
Nitrate Ion	0.0002	0.1175	µg/m ³	V0
Sulphate Ion	0.0001	0.5610	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602645
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		727.2	mmHg	
Particulate Matter	0.042	15.917	µg/m ³	V0
Sodium Ion	0.0006	0.0259	µg/m ³	V0
Ammonium Ion	0.00004	0.3647	µg/m ³	V0
Potassium Ion	0.0001	0.0232	µg/m ³	V0
Magnesium Ion	0.00005	0.0273	µg/m ³	V0
Calcium Ion	0.0021	0.6755	µg/m ³	V0
Fluoride Ion	0.00001	0.0095	µg/m ³	V0
Chloride Ion	0.0014	0.0042	µg/m ³	V0
Nitrate Ion	0.0002	0.2041	µg/m ³	V0
Sulphate Ion	0.0001	1.0572	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602665
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.8	°C	
Pressure		724.8	mmHg	
Particulate Matter	0.042	13.458	µg/m ³	V0
Sodium Ion	0.0006	0.0199	µg/m ³	V0
Ammonium Ion	0.00004	0.3157	µg/m ³	V0
Potassium Ion	0.0001	0.0230	µg/m ³	V0
Magnesium Ion	0.00005	0.0253	µg/m ³	V0
Calcium Ion	0.0021	0.2803	µg/m ³	V0
Fluoride Ion	0.00001	0.0105	µg/m ³	V0
Chloride Ion	0.0014	0.0045	µg/m ³	V0
Nitrate Ion	0.0002	0.1777	µg/m ³	V0
Sulphate Ion	0.0001	0.8130	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-06-10 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-06-11 00:00

Set Index: 1
WBEA ID: 220602668
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.0	°C	
Pressure		728.3	mmHg	
Particulate Matter	0.042	13.583	µg/m ³	V0
Sodium Ion	0.0006	0.0294	µg/m ³	V0
Ammonium Ion	0.00004	0.3418	µg/m ³	V0
Potassium Ion	0.0001	0.0274	µg/m ³	V0
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.3178	µg/m ³	V0
Fluoride Ion	0.00001	0.0102	µg/m ³	V0
Chloride Ion	0.0014	0.0111	µg/m ³	V0
Nitrate Ion	0.0002	0.1595	µg/m ³	V0
Sulphate Ion	0.0001	0.9555	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602673
Start Date:	2022-06-13 11:15	End Date:	2022-06-13 11:16	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0016	µg/m ³	V0
Ammonium Ion	0.00004	0.0001	µg/m ³	V0
Potassium Ion	0.0001	0.0024	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0049	µg/m ³	V0
Fluoride Ion	0.00001	0.0089	µg/m ³	V0
Chloride Ion	0.0014	0.0039	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Patricia McInnes**
Start Date: **2022-06-16 00:00**

Samp Use: **Exposure**
Loc ID: **PATM**
End Date: **2022-06-17 00:00**

Set Index: **1**
WBEA ID: **220602677**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		728.2	mmHg	
Particulate Matter	0.042	19.708	µg/m ³	V0
Sodium Ion	0.0006	0.0287	µg/m ³	V0
Ammonium Ion	0.00004	0.1228	µg/m ³	V0
Potassium Ion	0.0001	0.0548	µg/m ³	V0
Magnesium Ion	0.00005	0.0288	µg/m ³	V0
Calcium Ion	0.0021	0.8381	µg/m ³	V0
Fluoride Ion	0.00001	0.0145	µg/m ³	V0
Chloride Ion	0.0014	0.0207	µg/m ³	V0
Nitrate Ion	0.0002	0.0825	µg/m ³	V0
Sulphate Ion	0.0001	0.3243	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602682
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V6
Temperature		17.1	°C	
Pressure		737.3	mmHg	
Particulate Matter	0.042	24.979	µg/m ³	V0
Sodium Ion	0.0006	0.0526	µg/m ³	V0
Ammonium Ion	0.00004	0.1078	µg/m ³	V0
Potassium Ion	0.0001	0.0673	µg/m ³	V0
Magnesium Ion	0.00005	0.0294	µg/m ³	V0
Calcium Ion	0.0021	1.1853	µg/m ³	V0
Fluoride Ion	0.00001	0.0156	µg/m ³	V0
Chloride Ion	0.0014	0.0470	µg/m ³	V0
Nitrate Ion	0.0002	0.1199	µg/m ³	V0
Sulphate Ion	0.0001	0.3458	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602688
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		735.7	mmHg	
Particulate Matter	0.042	33.292	µg/m ³	V0
Sodium Ion	0.0006	0.0575	µg/m ³	V0
Ammonium Ion	0.00004	0.1424	µg/m ³	V0
Potassium Ion	0.0001	0.0351	µg/m ³	V0
Magnesium Ion	0.00005	0.0336	µg/m ³	V0
Calcium Ion	0.0021	2.0416	µg/m ³	V0
Fluoride Ion	0.00001	0.0144	µg/m ³	V0
Chloride Ion	0.0014	0.0382	µg/m ³	V0
Nitrate Ion	0.0002	0.0668	µg/m ³	V0
Sulphate Ion	0.0001	0.4963	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-06-16 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-06-17 00:00

Set Index: 1
WBEA ID: 220602701
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		736.7	mmHg	
Particulate Matter	0.042	23.458	µg/m ³	V0
Sodium Ion	0.0006	0.0399	µg/m ³	V0
Ammonium Ion	0.00004	0.1983	µg/m ³	V0
Potassium Ion	0.0001	0.0372	µg/m ³	V0
Magnesium Ion	0.00005	0.0405	µg/m ³	V0
Calcium Ion	0.0021	0.5804	µg/m ³	V0
Fluoride Ion	0.00001	0.0154	µg/m ³	V0
Chloride Ion	0.0014	0.0156	µg/m ³	V0
Nitrate Ion	0.0002	0.0491	µg/m ³	V0
Sulphate Ion	0.0001	0.5642	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-06-16 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-06-17 00:00

Set Index: 1
WBEA ID: 220602703
Duration: 24.0 hr

Notes

Small fly observed on filter. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.7	°C	
Pressure		733.7	mmHg	
Particulate Matter	0.042	16.292	µg/m ³	V0
Sodium Ion	0.0006	0.0252	µg/m ³	V0
Ammonium Ion	0.00004	0.1088	µg/m ³	V0
Potassium Ion	0.0001	0.0238	µg/m ³	V0
Magnesium Ion	0.00005	0.0309	µg/m ³	V0
Calcium Ion	0.0021	0.4628	µg/m ³	V0
Fluoride Ion	0.00001	0.0134	µg/m ³	V0
Chloride Ion	0.0014	0.0143	µg/m ³	V0
Nitrate Ion	0.0002	0.0308	µg/m ³	V0
Sulphate Ion	0.0001	0.2941	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602705
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		718.9	mmHg	
Particulate Matter	0.042	8.667	µg/m ³	V0
Sodium Ion	0.0006	0.0065	µg/m ³	V0
Ammonium Ion	0.00004	0.0684	µg/m ³	V0
Potassium Ion	0.0001	0.0521	µg/m ³	V0
Magnesium Ion	0.00005	0.0101	µg/m ³	V0
Calcium Ion	0.0021	0.0497	µg/m ³	V0
Fluoride Ion	0.00001	0.0167	µg/m ³	V0
Chloride Ion	0.0014	0.0088	µg/m ³	V0
Nitrate Ion	0.0002	0.0152	µg/m ³	V0
Sulphate Ion	0.0001	0.1487	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602713
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		710.6	mmHg	
Particulate Matter	0.042	10.917	µg/m ³	V0
Sodium Ion	0.0006	0.0138	µg/m ³	V0
Ammonium Ion	0.00004	0.0867	µg/m ³	V0
Potassium Ion	0.0001	0.0484	µg/m ³	V0
Magnesium Ion	0.00005	0.0225	µg/m ³	V0
Calcium Ion	0.0021	0.1439	µg/m ³	V0
Fluoride Ion	0.00001	0.0125	µg/m ³	V0
Chloride Ion	0.0014	0.0195	µg/m ³	V0
Nitrate Ion	0.0002	0.0221	µg/m ³	V0
Sulphate Ion	0.0001	0.1864	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602719
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.2	°C	
Pressure		716.6	mmHg	
Particulate Matter	0.042	8.292	µg/m ³	V0
Sodium Ion	0.0006	0.0055	µg/m ³	V0
Ammonium Ion	0.00004	0.0722	µg/m ³	V0
Potassium Ion	0.0001	0.0413	µg/m ³	V0
Magnesium Ion	0.00005	0.0093	µg/m ³	V0
Calcium Ion	0.0021	0.0918	µg/m ³	V0
Fluoride Ion	0.00001	0.0171	µg/m ³	V0
Chloride Ion	0.0014	0.0065	µg/m ³	V0
Nitrate Ion	0.0002	0.0166	µg/m ³	V0
Sulphate Ion	0.0001	0.1571	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-06-16 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-06-17 00:00

Set Index: 1
WBEA ID: 220602728
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.8	°C	
Pressure		739.9	mmHg	
Particulate Matter	0.042	7.708	µg/m ³	V0
Sodium Ion	0.0006	0.0097	µg/m ³	V0
Ammonium Ion	0.00004	0.1061	µg/m ³	V0
Potassium Ion	0.0001	0.0703	µg/m ³	V0
Magnesium Ion	0.00005	0.0072	µg/m ³	V0
Calcium Ion	0.0021	0.0415	µg/m ³	V0
Fluoride Ion	0.00001	0.0149	µg/m ³	V0
Chloride Ion	0.0014	0.0144	µg/m ³	V0
Nitrate Ion	0.0002	0.0126	µg/m ³	V0
Sulphate Ion	0.0001	0.2899	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602743
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		735.1	mmHg	
Particulate Matter	0.042	38.958	µg/m ³	V0
Sodium Ion	0.0006	0.1020	µg/m ³	V0
Ammonium Ion	0.00004	0.0674	µg/m ³	V0
Potassium Ion	0.0001	0.0228	µg/m ³	V0
Magnesium Ion	0.00005	0.0571	µg/m ³	V0
Calcium Ion	0.0021	2.1276	µg/m ³	V0
Fluoride Ion	0.00001	0.0069	µg/m ³	V0
Chloride Ion	0.0014	0.1176	µg/m ³	V0
Nitrate Ion	0.0002	0.0474	µg/m ³	V0
Sulphate Ion	0.0001	0.5141	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602756
Start Date:	2022-06-17 08:25	End Date:	2022-06-17 08:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.333	µg/m ³	V0
Sodium Ion	0.0006	0.0012	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0021	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0082	µg/m ³	V0
Chloride Ion	0.0014	0.0036	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602752
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.9	°C	
Pressure		723.9	mmHg	
Particulate Matter	0.042	16.667	µg/m ³	V0
Sodium Ion	0.0006	0.0241	µg/m ³	V0
Ammonium Ion	0.00004	0.2744	µg/m ³	V0
Potassium Ion	0.0001	0.0449	µg/m ³	V0
Magnesium Ion	0.00005	0.0296	µg/m ³	V0
Calcium Ion	0.0021	0.4763	µg/m ³	V0
Fluoride Ion	0.00001	0.0125	µg/m ³	V0
Chloride Ion	0.0014	0.0169	µg/m ³	V0
Nitrate Ion	0.0002	0.1101	µg/m ³	V0
Sulphate Ion	0.0001	0.6760	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602759
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.4	°C	
Pressure		733.1	mmHg	
Particulate Matter	0.042	14.708	µg/m ³	V0
Sodium Ion	0.0006	0.0320	µg/m ³	V0
Ammonium Ion	0.00004	0.2890	µg/m ³	V0
Potassium Ion	0.0001	0.0373	µg/m ³	V0
Magnesium Ion	0.00005	0.0347	µg/m ³	V0
Calcium Ion	0.0021	0.3897	µg/m ³	V0
Fluoride Ion	0.00001	0.0126	µg/m ³	V0
Chloride Ion	0.0014	0.0338	µg/m ³	V0
Nitrate Ion	0.0002	0.0906	µg/m ³	V0
Sulphate Ion	0.0001	0.7453	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-06-22 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-06-23 00:00

Set Index: 1
WBEA ID: 220602769
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.7	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	4.417	µg/m ³	V0
Sodium Ion	0.0006	0.0053	µg/m ³	V0
Ammonium Ion	0.00004	0.0554	µg/m ³	V0
Potassium Ion	0.0001	0.0205	µg/m ³	V0
Magnesium Ion	0.00005	0.0018	µg/m ³	V0
Calcium Ion	0.0021	0.0155	µg/m ³	V0
Fluoride Ion	0.00001	0.0098	µg/m ³	V0
Chloride Ion	0.0014	0.0045	µg/m ³	V0
Nitrate Ion	0.0002	0.0057	µg/m ³	V0
Sulphate Ion	0.0001	0.1267	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602774
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		731.4	mmHg	
Particulate Matter	0.042	27.000	µg/m ³	V0
Sodium Ion	0.0006	0.0339	µg/m ³	V0
Ammonium Ion	0.00004	0.1545	µg/m ³	V0
Potassium Ion	0.0001	0.0344	µg/m ³	V0
Magnesium Ion	0.00005	0.0340	µg/m ³	V0
Calcium Ion	0.0021	1.0304	µg/m ³	V0
Fluoride Ion	0.00001	0.0125	µg/m ³	V0
Chloride Ion	0.0014	0.0172	µg/m ³	V0
Nitrate Ion	0.0002	0.1677	µg/m ³	V0
Sulphate Ion	0.0001	0.4676	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-06-22 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-06-23 00:00

Set Index: 1
WBEA ID: 220602791
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		732.4	mmHg	
Particulate Matter	0.042	21.500	µg/m ³	V0
Sodium Ion	0.0006	0.0230	µg/m ³	V0
Ammonium Ion	0.00004	0.1431	µg/m ³	V0
Potassium Ion	0.0001	0.0393	µg/m ³	V0
Magnesium Ion	0.00005	0.0369	µg/m ³	V0
Calcium Ion	0.0021	0.4656	µg/m ³	V0
Fluoride Ion	0.00001	0.0118	µg/m ³	V0
Chloride Ion	0.0014	0.0119	µg/m ³	V0
Nitrate Ion	0.0002	0.1311	µg/m ³	V0
Sulphate Ion	0.0001	0.4442	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602794
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		729.2	mmHg	
Particulate Matter	0.042	19.667	µg/m ³	V0
Sodium Ion	0.0006	0.0269	µg/m ³	V0
Ammonium Ion	0.00004	0.1220	µg/m ³	V0
Potassium Ion	0.0001	0.0348	µg/m ³	V0
Magnesium Ion	0.00005	0.0433	µg/m ³	V0
Calcium Ion	0.0021	0.3609	µg/m ³	V0
Fluoride Ion	0.00001	0.0126	µg/m ³	V0
Chloride Ion	0.0014	0.0136	µg/m ³	V0
Nitrate Ion	0.0002	0.1144	µg/m ³	V0
Sulphate Ion	0.0001	0.3757	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602803
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		707.1	mmHg	
Particulate Matter	0.042	6.333	µg/m ³	V0
Sodium Ion	0.0006	0.0051	µg/m ³	V0
Ammonium Ion	0.00004	0.0477	µg/m ³	V0
Potassium Ion	0.0001	0.0355	µg/m ³	V0
Magnesium Ion	0.00005	0.0143	µg/m ³	V0
Calcium Ion	0.0021	0.0980	µg/m ³	V0
Fluoride Ion	0.00001	0.0123	µg/m ³	V0
Chloride Ion	0.0014	0.0105	µg/m ³	V0
Nitrate Ion	0.0002	0.0208	µg/m ³	V0
Sulphate Ion	0.0001	0.1337	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602812
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		715.1	mmHg	
Particulate Matter	0.042	6.500	µg/m ³	V0
Sodium Ion	0.0006	0.0043	µg/m ³	V0
Ammonium Ion	0.00004	0.0626	µg/m ³	V0
Potassium Ion	0.0001	0.0329	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.0444	µg/m ³	V0
Fluoride Ion	0.00001	0.0092	µg/m ³	V0
Chloride Ion	0.0014	0.0053	µg/m ³	V0
Nitrate Ion	0.0002	0.0144	µg/m ³	V0
Sulphate Ion	0.0001	0.1790	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602815
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		730.7	mmHg	
Particulate Matter	0.042	34.333	µg/m ³	V0
Sodium Ion	0.0006	0.0522	µg/m ³	V0
Ammonium Ion	0.00004	0.0771	µg/m ³	V0
Potassium Ion	0.0001	0.0303	µg/m ³	V0
Magnesium Ion	0.00005	0.0503	µg/m ³	V0
Calcium Ion	0.0021	1.7980	µg/m ³	V0
Fluoride Ion	0.00001	0.0062	µg/m ³	V0
Chloride Ion	0.0014	0.0979	µg/m ³	V0
Nitrate Ion	0.0002	0.1015	µg/m ³	V0
Sulphate Ion	0.0001	0.4543	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602822
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		712.6	mmHg	
Particulate Matter	0.042	7.208	µg/m ³	V0
Sodium Ion	0.0006	0.0044	µg/m ³	V0
Ammonium Ion	0.00004	0.1263	µg/m ³	V0
Potassium Ion	0.0001	0.0345	µg/m ³	V0
Magnesium Ion	0.00005	0.0067	µg/m ³	V0
Calcium Ion	0.0021	0.0372	µg/m ³	V0
Fluoride Ion	0.00001	0.0083	µg/m ³	V0
Chloride Ion	0.0014	0.0066	µg/m ³	V0
Nitrate Ion	0.0002	0.0230	µg/m ³	V0
Sulphate Ion	0.0001	0.3155	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-06-23 00:00

Samp Use: Field Procedure Blank
Loc ID: FTCH
End Date: 2022-06-23 00:01

Set Index: 1
WBEA ID: 220602875
Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Temperature		14.6	°C	
Pressure		739.5	mmHg	
Particulate Matter	0.042	0.167	µg/m ³	V0
Sodium Ion	0.0006	0.0023	µg/m ³	V0
Ammonium Ion	0.00004	0.0002	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0084	µg/m ³	V0
Chloride Ion	0.0014	0.0020	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602856
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in a short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		21.7	m ³	V6
Temperature		16.9	°C	
Pressure		735.2	mmHg	
Particulate Matter	0.042	5.300	µg/m ³	V0
Sodium Ion	0.0006	0.0042	µg/m ³	V0
Ammonium Ion	0.00004	0.0712	µg/m ³	V0
Potassium Ion	0.0001	0.0263	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0321	µg/m ³	V0
Fluoride Ion	0.00001	0.0101	µg/m ³	V0
Chloride Ion	0.0014	0.0050	µg/m ³	V0
Nitrate Ion	0.0002	0.0077	µg/m ³	V0
Sulphate Ion	0.0001	0.1725	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602859
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.8	°C	
Pressure		735.7	mmHg	
Particulate Matter	0.042	19.500	µg/m ³	V0
Sodium Ion	0.0006	0.0365	µg/m ³	V0
Ammonium Ion	0.00004	0.0633	µg/m ³	V0
Potassium Ion	0.0001	0.0250	µg/m ³	V0
Magnesium Ion	0.00005	0.0276	µg/m ³	V0
Calcium Ion	0.0021	0.6427	µg/m ³	V0
Fluoride Ion	0.00001	0.0103	µg/m ³	V0
Chloride Ion	0.0014	0.0263	µg/m ³	V0
Nitrate Ion	0.0002	0.0223	µg/m ³	V0
Sulphate Ion	0.0001	0.2172	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602862
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in a short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		21.8	m ³	V6
Temperature		17.2	°C	
Pressure		738.2	mmHg	
Particulate Matter	0.042	18.119	µg/m ³	V0
Sodium Ion	0.0006	0.0396	µg/m ³	V0
Ammonium Ion	0.00004	0.0750	µg/m ³	V0
Potassium Ion	0.0001	0.0333	µg/m ³	V0
Magnesium Ion	0.00005	0.0276	µg/m ³	V0
Calcium Ion	0.0021	0.3547	µg/m ³	V0
Fluoride Ion	0.00001	0.0121	µg/m ³	V0
Chloride Ion	0.0014	0.0145	µg/m ³	V0
Nitrate Ion	0.0002	0.0297	µg/m ³	V0
Sulphate Ion	0.0001	0.2853	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602870
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in a short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		21.7	m ³	V6
Temperature		18.1	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	10.092	µg/m ³	V0
Sodium Ion	0.0006	0.0147	µg/m ³	V0
Ammonium Ion	0.00004	0.1016	µg/m ³	V0
Potassium Ion	0.0001	0.0271	µg/m ³	V0
Magnesium Ion	0.00005	0.0151	µg/m ³	V0
Calcium Ion	0.0021	0.3237	µg/m ³	V0
Fluoride Ion	0.00001	0.0120	µg/m ³	V0
Chloride Ion	0.0014	0.0094	µg/m ³	V0
Nitrate Ion	0.0002	0.0304	µg/m ³	V0
Sulphate Ion	0.0001	0.2643	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602881
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Field Flag: 'V', Invalid sample (Void).
Power failure - sample did not run -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-06-28 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-06-29 00:00**

Set Index: **1**
WBEA ID: **220602889**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		738.9	mmHg	
Particulate Matter	0.042	17.333	µg/m ³	V0
Sodium Ion	0.0006	0.1650	µg/m ³	V0
Ammonium Ion	0.00004	0.1595	µg/m ³	V0
Potassium Ion	0.0001	0.0653	µg/m ³	V0
Magnesium Ion	0.00005	0.0547	µg/m ³	V0
Calcium Ion	0.0021	0.6379	µg/m ³	V0
Fluoride Ion	0.00001	0.0135	µg/m ³	V0
Chloride Ion	0.0014	0.1634	µg/m ³	V0
Nitrate Ion	0.0002	0.2286	µg/m ³	V0
Sulphate Ion	0.0001	0.7904	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602894
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.4	°C	
Pressure		729.4	mmHg	
Particulate Matter	0.042	12.042	µg/m ³	V0
Sodium Ion	0.0006	0.0154	µg/m ³	V0
Ammonium Ion	0.00004	0.2789	µg/m ³	V0
Potassium Ion	0.0001	0.0367	µg/m ³	V0
Magnesium Ion	0.00005	0.0294	µg/m ³	V0
Calcium Ion	0.0021	0.2311	µg/m ³	V0
Fluoride Ion	0.00001	0.0102	µg/m ³	V0
Chloride Ion	0.0014	0.0178	µg/m ³	V0
Nitrate Ion	0.0002	0.0532	µg/m ³	V0
Sulphate Ion	0.0001	0.6553	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602903
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.0	°C	
Pressure		712.7	mmHg	
Particulate Matter	0.042	22.125	µg/m ³	V0
Sodium Ion	0.0006	0.0395	µg/m ³	V0
Ammonium Ion	0.00004	0.2300	µg/m ³	V0
Potassium Ion	0.0001	0.0323	µg/m ³	V0
Magnesium Ion	0.00005	0.0720	µg/m ³	V0
Calcium Ion	0.0021	0.5335	µg/m ³	V0
Fluoride Ion	0.00001	0.0266	µg/m ³	V0
Chloride Ion	0.0014	0.0617	µg/m ³	V0
Nitrate Ion	0.0002	0.0451	µg/m ³	V0
Sulphate Ion	0.0001	0.6143	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602910
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		721.0	mmHg	
Particulate Matter	0.042	8.833	µg/m ³	V0
Sodium Ion	0.0006	0.0055	µg/m ³	V0
Ammonium Ion	0.00004	0.2243	µg/m ³	V0
Potassium Ion	0.0001	0.0220	µg/m ³	V0
Magnesium Ion	0.00005	0.0320	µg/m ³	V0
Calcium Ion	0.0021	0.2364	µg/m ³	V0
Fluoride Ion	0.00001	0.0092	µg/m ³	V0
Chloride Ion	0.0014	0.0085	µg/m ³	V0
Nitrate Ion	0.0002	0.0337	µg/m ³	V0
Sulphate Ion	0.0001	0.5964	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602917
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		718.3	mmHg	
Particulate Matter	0.042	8.167	µg/m ³	V0
Sodium Ion	0.0006	0.0069	µg/m ³	V0
Ammonium Ion	0.00004	0.2994	µg/m ³	V0
Potassium Ion	0.0001	0.0427	µg/m ³	V0
Magnesium Ion	0.00005	0.0168	µg/m ³	V0
Calcium Ion	0.0021	0.1423	µg/m ³	V0
Fluoride Ion	0.00001	0.0093	µg/m ³	V0
Chloride Ion	0.0014	0.0082	µg/m ³	V0
Nitrate Ion	0.0002	0.0401	µg/m ³	V0
Sulphate Ion	0.0001	0.7455	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220603005
Start Date:	2022-06-30 14:15	End Date:	2022-06-30 14:16	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	
Particulate Matter	0.042	0.000	µg/m ³	
Sodium Ion	0.0006	0.0041	µg/m ³	
Ammonium Ion	0.00004	0.0000	µg/m ³	
Potassium Ion	0.0001	0.0019	µg/m ³	
Magnesium Ion	0.00005	0.0000	µg/m ³	
Calcium Ion	0.0021	0.0109	µg/m ³	
Fluoride Ion	0.00001	0.0035	µg/m ³	
Chloride Ion	0.0014	0.0060	µg/m ³	
Nitrate Ion	0.0002	0.0000	µg/m ³	
Sulphate Ion	0.0001	0.0053	µg/m ³	
Phosphate Ion	0.0018	0.0000	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-07-04 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-07-05 00:00

Set Index: 1
WBEA ID: 220602931
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.2	°C	
Pressure		737.6	mmHg	
Particulate Matter	0.042	99.125	µg/m ³	V0
Sodium Ion	0.0006	0.1413	µg/m ³	V0
Ammonium Ion	0.00004	0.0532	µg/m ³	V0
Potassium Ion	0.0001	0.0379	µg/m ³	V0
Magnesium Ion	0.00005	0.0771	µg/m ³	V0
Calcium Ion	0.0021	2.5466	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	0.1322	µg/m ³	V0
Nitrate Ion	0.0002	0.1022	µg/m ³	V0
Sulphate Ion	0.0001	0.5045	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602944
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.2	°C	
Pressure		738.2	mmHg	
Particulate Matter	0.042	40.750	µg/m ³	V0
Sodium Ion	0.0006	0.0664	µg/m ³	V0
Ammonium Ion	0.00004	0.0485	µg/m ³	V0
Potassium Ion	0.0001	0.0259	µg/m ³	V0
Magnesium Ion	0.00005	0.0360	µg/m ³	V0
Calcium Ion	0.0021	2.2514	µg/m ³	V0
Fluoride Ion	0.00001	0.0154	µg/m ³	V0
Chloride Ion	0.0014	0.0345	µg/m ³	V0
Nitrate Ion	0.0002	0.0802	µg/m ³	V0
Sulphate Ion	0.0001	0.3164	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602962
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.6	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	8.833	µg/m ³	V0
Sodium Ion	0.0006	0.0151	µg/m ³	V0
Ammonium Ion	0.00004	0.0373	µg/m ³	V0
Potassium Ion	0.0001	0.0286	µg/m ³	V0
Magnesium Ion	0.00005	0.0208	µg/m ³	V0
Calcium Ion	0.0021	0.2193	µg/m ³	V0
Fluoride Ion	0.00001	0.0079	µg/m ³	V0
Chloride Ion	0.0014	0.0234	µg/m ³	V0
Nitrate Ion	0.0002	0.0068	µg/m ³	V0
Sulphate Ion	0.0001	0.1098	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-07-04 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-07-05 00:00

Set Index: 1
WBEA ID: 220602968
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.3	°C	
Pressure		739.4	mmHg	
Particulate Matter	0.042	25.625	µg/m ³	V0
Sodium Ion	0.0006	0.0474	µg/m ³	V0
Ammonium Ion	0.00004	0.0604	µg/m ³	V0
Potassium Ion	0.0001	0.0200	µg/m ³	V0
Magnesium Ion	0.00005	0.0260	µg/m ³	V0
Calcium Ion	0.0021	0.9245	µg/m ³	V0
Fluoride Ion	0.00001	0.0077	µg/m ³	V0
Chloride Ion	0.0014	0.0178	µg/m ³	V0
Nitrate Ion	0.0002	0.0490	µg/m ³	V0
Sulphate Ion	0.0001	0.3128	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-07-04 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-07-05 00:00**

Set Index: **1**
WBEA ID: **220602973**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		739.9	mmHg	
Particulate Matter	0.042	11.083	µg/m ³	V0
Sodium Ion	0.0006	0.0154	µg/m ³	V0
Ammonium Ion	0.00004	0.0002	µg/m ³	V0
Potassium Ion	0.0001	0.0237	µg/m ³	V0
Magnesium Ion	0.00005	0.0303	µg/m ³	V0
Calcium Ion	0.0021	0.4013	µg/m ³	V0
Fluoride Ion	0.00001	0.0035	µg/m ³	V0
Chloride Ion	0.0014	0.0186	µg/m ³	V0
Nitrate Ion	0.0002	0.0088	µg/m ³	V0
Sulphate Ion	0.0001	0.1162	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-07-04 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-07-05 00:00

Set Index: 1
WBEA ID: 220602978
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		736.4	mmHg	
Particulate Matter	0.042	26.125	µg/m ³	V0
Sodium Ion	0.0006	0.0401	µg/m ³	V0
Ammonium Ion	0.00004	0.0554	µg/m ³	V0
Potassium Ion	0.0001	0.0152	µg/m ³	V0
Magnesium Ion	0.00005	0.0311	µg/m ³	V0
Calcium Ion	0.0021	1.1230	µg/m ³	V0
Fluoride Ion	0.00001	0.0027	µg/m ³	V0
Chloride Ion	0.0014	0.0371	µg/m ³	V0
Nitrate Ion	0.0002	0.0505	µg/m ³	V0
Sulphate Ion	0.0001	0.2332	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Fort Chipewyan**
Start Date: **2022-07-04 00:00**

Samp Use: **Exposure**
Loc ID: **FTCH**
End Date: **2022-07-05 00:00**

Set Index: **1**
WBEA ID: **220602983**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		743.3	mmHg	
Particulate Matter	0.042	2.542	µg/m ³	V0
Sodium Ion	0.0006	0.0083	µg/m ³	V0
Ammonium Ion	0.00004	0.0195	µg/m ³	V0
Potassium Ion	0.0001	0.0101	µg/m ³	V0
Magnesium Ion	0.00005	0.0025	µg/m ³	V0
Calcium Ion	0.0021	0.0303	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0080	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1157	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602994
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.9	°C	
Pressure		713.0	mmHg	
Particulate Matter	0.042	19.833	µg/m ³	V0
Sodium Ion	0.0006	0.0549	µg/m ³	V0
Ammonium Ion	0.00004	0.1490	µg/m ³	V0
Potassium Ion	0.0001	0.0323	µg/m ³	V0
Magnesium Ion	0.00005	0.0776	µg/m ³	V0
Calcium Ion	0.0021	0.5422	µg/m ³	V0
Fluoride Ion	0.00001	0.0045	µg/m ³	V0
Chloride Ion	0.0014	0.0754	µg/m ³	V0
Nitrate Ion	0.0002	0.0078	µg/m ³	V0
Sulphate Ion	0.0001	0.3450	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602997
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		721.5	mmHg	
Particulate Matter	0.042	7.875	µg/m ³	V0
Sodium Ion	0.0006	0.0076	µg/m ³	V0
Ammonium Ion	0.00004	0.1281	µg/m ³	V0
Potassium Ion	0.0001	0.0330	µg/m ³	V0
Magnesium Ion	0.00005	0.0059	µg/m ³	V0
Calcium Ion	0.0021	0.0356	µg/m ³	V0
Fluoride Ion	0.00001	0.0081	µg/m ³	V0
Chloride Ion	0.0014	0.0113	µg/m ³	V0
Nitrate Ion	0.0002	0.0054	µg/m ³	V0
Sulphate Ion	0.0001	0.2784	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220603009
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	7.875	µg/m ³	V0
Sodium Ion	0.0006	0.0107	µg/m ³	V0
Ammonium Ion	0.00004	0.0419	µg/m ³	V0
Potassium Ion	0.0001	0.0316	µg/m ³	V0
Magnesium Ion	0.00005	0.0199	µg/m ³	V0
Calcium Ion	0.0021	0.1962	µg/m ³	V0
Fluoride Ion	0.00001	0.0031	µg/m ³	V0
Chloride Ion	0.0014	0.0197	µg/m ³	V0
Nitrate Ion	0.0002	0.0056	µg/m ³	V0
Sulphate Ion	0.0001	0.1085	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703021
Start Date:	2022-07-05 11:40	End Date:	2022-07-05 11:41	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Sodium Ion	0.0006	0.0046	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0014	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0088	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	0.0064	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703017
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		716.0	mmHg	
Particulate Matter	0.042	7.750	µg/m ³	V0
Sodium Ion	0.0006	0.0062	µg/m ³	V0
Ammonium Ion	0.00004	0.0599	µg/m ³	V0
Potassium Ion	0.0001	0.0329	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.0956	µg/m ³	V0
Fluoride Ion	0.00001	0.0086	µg/m ³	V0
Chloride Ion	0.0014	0.0084	µg/m ³	V0
Nitrate Ion	0.0002	0.0156	µg/m ³	V0
Sulphate Ion	0.0001	0.1544	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Conklin
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703025
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.0	°C	
Pressure		708.1	mmHg	
Particulate Matter	0.042	7.667	µg/m ³	V0
Sodium Ion	0.0006	0.0076	µg/m ³	V0
Ammonium Ion	0.00004	0.0537	µg/m ³	V0
Potassium Ion	0.0001	0.0289	µg/m ³	V0
Magnesium Ion	0.00005	0.0108	µg/m ³	V0
Calcium Ion	0.0021	0.0753	µg/m ³	V0
Fluoride Ion	0.00001	0.0015	µg/m ³	V0
Chloride Ion	0.0014	0.0117	µg/m ³	V0
Nitrate Ion	0.0002	0.0137	µg/m ³	V0
Sulphate Ion	0.0001	0.1343	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703043
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	20.667	µg/m ³	V0
Sodium Ion	0.0006	0.0688	µg/m ³	V0
Ammonium Ion	0.00004	0.0224	µg/m ³	V0
Potassium Ion	0.0001	0.0364	µg/m ³	V0
Magnesium Ion	0.00005	0.0358	µg/m ³	V0
Calcium Ion	0.0021	0.1440	µg/m ³	V0
Fluoride Ion	0.00001	0.0090	µg/m ³	V0
Chloride Ion	0.0014	0.0231	µg/m ³	V0
Nitrate Ion	0.0002	0.0189	µg/m ³	V0
Sulphate Ion	0.0001	0.2174	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703046
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		728.3	mmHg	
Particulate Matter	0.042	5.833	µg/m ³	V0
Sodium Ion	0.0006	0.0044	µg/m ³	V0
Ammonium Ion	0.00004	0.0393	µg/m ³	V0
Potassium Ion	0.0001	0.0292	µg/m ³	V0
Magnesium Ion	0.00005	0.0052	µg/m ³	V0
Calcium Ion	0.0021	0.0295	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	0.0054	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1479	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703054
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	9.958	µg/m ³	V0
Sodium Ion	0.0006	0.0189	µg/m ³	V0
Ammonium Ion	0.00004	0.0364	µg/m ³	V0
Potassium Ion	0.0001	0.0326	µg/m ³	V0
Magnesium Ion	0.00005	0.0139	µg/m ³	V0
Calcium Ion	0.0021	0.0788	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0132	µg/m ³	V0
Nitrate Ion	0.0002	0.0098	µg/m ³	V0
Sulphate Ion	0.0001	0.1647	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-07-10 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-07-11 00:00**

Set Index: **1**
WBEA ID: **220703071**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.5	°C	
Pressure		733.0	mmHg	
Particulate Matter	0.042	9.292	µg/m ³	V0
Sodium Ion	0.0006	0.0295	µg/m ³	V0
Ammonium Ion	0.00004	0.0081	µg/m ³	V0
Potassium Ion	0.0001	0.0353	µg/m ³	V0
Magnesium Ion	0.00005	0.0313	µg/m ³	V0
Calcium Ion	0.0021	0.1555	µg/m ³	V0
Fluoride Ion	0.00001	0.0026	µg/m ³	V0
Chloride Ion	0.0014	0.0454	µg/m ³	V0
Nitrate Ion	0.0002	0.0137	µg/m ³	V0
Sulphate Ion	0.0001	0.1408	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703079
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		712.8	mmHg	
Particulate Matter	0.042	6.792	µg/m ³	V0
Sodium Ion	0.0006	0.0101	µg/m ³	V0
Ammonium Ion	0.00004	0.0578	µg/m ³	V0
Potassium Ion	0.0001	0.0239	µg/m ³	V0
Magnesium Ion	0.00005	0.0140	µg/m ³	V0
Calcium Ion	0.0021	0.0987	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	0.0181	µg/m ³	V0
Nitrate Ion	0.0002	0.0083	µg/m ³	V0
Sulphate Ion	0.0001	0.1657	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703087
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.0	°C	
Pressure		723.8	mmHg	
Particulate Matter	0.042	8.125	µg/m ³	V0
Sodium Ion	0.0006	0.0091	µg/m ³	V0
Ammonium Ion	0.00004	0.0457	µg/m ³	V0
Potassium Ion	0.0001	0.0304	µg/m ³	V0
Magnesium Ion	0.00005	0.0156	µg/m ³	V0
Calcium Ion	0.0021	0.1498	µg/m ³	V0
Fluoride Ion	0.00001	0.0075	µg/m ³	V0
Chloride Ion	0.0014	0.0132	µg/m ³	V0
Nitrate Ion	0.0002	0.0118	µg/m ³	V0
Sulphate Ion	0.0001	0.1589	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703095
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.3	°C	
Pressure		732.0	mmHg	
Particulate Matter	0.042	3.917	µg/m ³	V0
Sodium Ion	0.0006	0.0052	µg/m ³	V0
Ammonium Ion	0.00004	0.0108	µg/m ³	V0
Potassium Ion	0.0001	0.0114	µg/m ³	V0
Magnesium Ion	0.00005	0.0033	µg/m ³	V0
Calcium Ion	0.0021	0.0272	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.0081	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0829	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703107
Start Date:	2022-07-11 13:30	End Date:	2022-07-11 13:31	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	0.0041	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0017	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0096	µg/m ³	V0
Fluoride Ion	0.00001	0.0019	µg/m ³	V0
Chloride Ion	0.0014	0.0068	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0059	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220703038
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

July 10th scheduled sample did not run. Reset for sampling on the 16th.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.3	°C	
Pressure		730.2	mmHg	
Particulate Matter	0.042	15.292	µg/m ³	V0
Sodium Ion	0.0006	0.0398	µg/m ³	V0
Ammonium Ion	0.00004	0.0630	µg/m ³	V0
Potassium Ion	0.0001	0.0375	µg/m ³	V0
Magnesium Ion	0.00005	0.0230	µg/m ³	V0
Calcium Ion	0.0021	0.1433	µg/m ³	V0
Fluoride Ion	0.00001	0.0033	µg/m ³	V0
Chloride Ion	0.0014	0.0210	µg/m ³	V0
Nitrate Ion	0.0002	0.0557	µg/m ³	V0
Sulphate Ion	0.0001	0.2664	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703103
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.0	°C	
Pressure		707.2	mmHg	
Particulate Matter	0.042	37.583	µg/m ³	V0
Sodium Ion	0.0006	0.0863	µg/m ³	V0
Ammonium Ion	0.00004	0.1155	µg/m ³	V0
Potassium Ion	0.0001	0.0344	µg/m ³	V0
Magnesium Ion	0.00005	0.0550	µg/m ³	V0
Calcium Ion	0.0021	1.3055	µg/m ³	V0
Fluoride Ion	0.00001	0.0063	µg/m ³	V0
Chloride Ion	0.0014	0.1201	µg/m ³	V0
Nitrate Ion	0.0002	0.0513	µg/m ³	V0
Sulphate Ion	0.0001	0.3677	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703111
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.4	°C	
Pressure		715.2	mmHg	
Particulate Matter	0.042	10.792	µg/m ³	V0
Sodium Ion	0.0006	0.0104	µg/m ³	V0
Ammonium Ion	0.00004	0.1186	µg/m ³	V0
Potassium Ion	0.0001	0.0272	µg/m ³	V0
Magnesium Ion	0.00005	0.0296	µg/m ³	V0
Calcium Ion	0.0021	0.1575	µg/m ³	V0
Fluoride Ion	0.00001	0.0016	µg/m ³	V0
Chloride Ion	0.0014	0.0086	µg/m ³	V0
Nitrate Ion	0.0002	0.0221	µg/m ³	V0
Sulphate Ion	0.0001	0.2942	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703133
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(87360/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V6
Temperature		20.6	°C	
Pressure		730.9	mmHg	
Particulate Matter	0.042	9.959	µg/m ³	V0
Sodium Ion	0.0006	0.0175	µg/m ³	V0
Ammonium Ion	0.00004	0.0192	µg/m ³	V0
Potassium Ion	0.0001	0.0375	µg/m ³	V0
Magnesium Ion	0.00005	0.0132	µg/m ³	V0
Calcium Ion	0.0021	0.3678	µg/m ³	V0
Fluoride Ion	0.00001	0.0095	µg/m ³	V0
Chloride Ion	0.0014	0.0126	µg/m ³	V0
Nitrate Ion	0.0002	0.0351	µg/m ³	V0
Sulphate Ion	0.0001	0.2074	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703146
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.8	°C	
Pressure		733.0	mmHg	
Particulate Matter	0.042	6.250	µg/m ³	V0
Sodium Ion	0.0006	0.0079	µg/m ³	V0
Ammonium Ion	0.00004	0.0396	µg/m ³	V0
Potassium Ion	0.0001	0.0253	µg/m ³	V0
Magnesium Ion	0.00005	0.0063	µg/m ³	V0
Calcium Ion	0.0021	0.0380	µg/m ³	V0
Fluoride Ion	0.00001	0.0069	µg/m ³	V0
Chloride Ion	0.0014	0.0104	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1116	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703150
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(87360/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V6
Temperature		19.7	°C	
Pressure		729.0	mmHg	
Particulate Matter	0.042	8.148	µg/m ³	V0
Sodium Ion	0.0006	0.0127	µg/m ³	V0
Ammonium Ion	0.00004	0.0048	µg/m ³	V0
Potassium Ion	0.0001	0.0348	µg/m ³	V0
Magnesium Ion	0.00005	0.0106	µg/m ³	V0
Calcium Ion	0.0021	0.0532	µg/m ³	V0
Fluoride Ion	0.00001	0.0007	µg/m ³	V0
Chloride Ion	0.0014	0.0094	µg/m ³	V0
Nitrate Ion	0.0002	0.0248	µg/m ³	V0
Sulphate Ion	0.0001	0.1837	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703155
Duration: 24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(87660/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V6
Temperature		20.4	°C	
Pressure		732.0	mmHg	
Particulate Matter	0.042	11.111	µg/m ³	V0
Sodium Ion	0.0006	0.0146	µg/m ³	V0
Ammonium Ion	0.00004	0.0152	µg/m ³	V0
Potassium Ion	0.0001	0.0590	µg/m ³	V0
Magnesium Ion	0.00005	0.0185	µg/m ³	V0
Calcium Ion	0.0021	0.1686	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0130	µg/m ³	V0
Nitrate Ion	0.0002	0.0267	µg/m ³	V0
Sulphate Ion	0.0001	0.2107	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703158
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.1	°C	
Pressure		712.7	mmHg	
Particulate Matter	0.042	7.625	µg/m ³	V0
Sodium Ion	0.0006	0.0141	µg/m ³	V0
Ammonium Ion	0.00004	0.0424	µg/m ³	V0
Potassium Ion	0.0001	0.0354	µg/m ³	V0
Magnesium Ion	0.00005	0.0138	µg/m ³	V0
Calcium Ion	0.0021	0.1102	µg/m ³	V0
Fluoride Ion	0.00001	0.0088	µg/m ³	V0
Chloride Ion	0.0014	0.0126	µg/m ³	V0
Nitrate Ion	0.0002	0.0209	µg/m ³	V0
Sulphate Ion	0.0001	0.2111	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703165
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.6	°C	
Pressure		733.0	mmHg	
Particulate Matter	0.042	14.667	µg/m ³	V0
Sodium Ion	0.0006	0.0364	µg/m ³	V0
Ammonium Ion	0.00004	0.0004	µg/m ³	V0
Potassium Ion	0.0001	0.2008	µg/m ³	V4
Magnesium Ion	0.00005	0.0506	µg/m ³	V0
Calcium Ion	0.0021	0.4457	µg/m ³	V0
Fluoride Ion	0.00001	0.0033	µg/m ³	V0
Chloride Ion	0.0014	0.0420	µg/m ³	V0
Nitrate Ion	0.0002	0.0188	µg/m ³	V0
Sulphate Ion	0.0001	0.4928	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703171
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.6	°C	
Pressure		723.6	mmHg	
Particulate Matter	0.042	8.417	µg/m ³	V0
Sodium Ion	0.0006	0.0174	µg/m ³	V0
Ammonium Ion	0.00004	0.1227	µg/m ³	V0
Potassium Ion	0.0001	0.0375	µg/m ³	V0
Magnesium Ion	0.00005	0.0132	µg/m ³	V0
Calcium Ion	0.0021	0.1753	µg/m ³	V0
Fluoride Ion	0.00001	0.0053	µg/m ³	V0
Chloride Ion	0.0014	0.0153	µg/m ³	V0
Nitrate Ion	0.0002	0.0377	µg/m ³	V0
Sulphate Ion	0.0001	0.3584	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Ion	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703204	
Start Date:	2022-07-19 11:45	End Date:	2022-07-19 11:46	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0025	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0034	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0082	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0064	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0060	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220703177
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.1	°C	
Pressure		734.0	mmHg	
Particulate Matter	0.042	10.375	µg/m ³	V0
Sodium Ion	0.0006	0.0146	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0279	µg/m ³	V0
Magnesium Ion	0.00005	0.0220	µg/m ³	V0
Calcium Ion	0.0021	0.5404	µg/m ³	V0
Fluoride Ion	0.00001	0.0027	µg/m ³	V0
Chloride Ion	0.0014	0.0255	µg/m ³	V0
Nitrate Ion	0.0002	0.0075	µg/m ³	V0
Sulphate Ion	0.0001	0.1629	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703186
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		709.8	mmHg	
Particulate Matter	0.042	5.792	µg/m ³	V0
Sodium Ion	0.0006	0.0066	µg/m ³	V0
Ammonium Ion	0.00004	0.2155	µg/m ³	V0
Potassium Ion	0.0001	0.0316	µg/m ³	V0
Magnesium Ion	0.00005	0.0150	µg/m ³	V0
Calcium Ion	0.0021	0.1862	µg/m ³	V0
Fluoride Ion	0.00001	0.0048	µg/m ³	V0
Chloride Ion	0.0014	0.0141	µg/m ³	V0
Nitrate Ion	0.0002	0.0143	µg/m ³	V0
Sulphate Ion	0.0001	0.6736	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703192
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		732.4	mmHg	
Particulate Matter	0.042	8.583	µg/m ³	V0
Sodium Ion	0.0006	0.0125	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0245	µg/m ³	V0
Magnesium Ion	0.00005	0.0093	µg/m ³	V0
Calcium Ion	0.0021	0.0712	µg/m ³	V0
Fluoride Ion	0.00001	0.0025	µg/m ³	V0
Chloride Ion	0.0014	0.0118	µg/m ³	V0
Nitrate Ion	0.0002	0.0043	µg/m ³	V0
Sulphate Ion	0.0001	0.1338	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-07-22 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-07-23 00:00

Set Index: 1
WBEA ID: 220703195
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		735.7	mmHg	
Particulate Matter	0.042	9.458	µg/m ³	V0
Sodium Ion	0.0006	0.0097	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0403	µg/m ³	V0
Magnesium Ion	0.00005	0.0134	µg/m ³	V0
Calcium Ion	0.0021	0.1843	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0154	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1160	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703199
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.6	°C	
Pressure		718.0	mmHg	
Particulate Matter	0.042	5.708	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.0347	µg/m ³	V0
Potassium Ion	0.0001	0.0482	µg/m ³	V0
Magnesium Ion	0.00005	0.0065	µg/m ³	V0
Calcium Ion	0.0021	0.0294	µg/m ³	V0
Fluoride Ion	0.00001	0.0061	µg/m ³	V0
Chloride Ion	0.0014	0.0131	µg/m ³	V0
Nitrate Ion	0.0002	0.0112	µg/m ³	V0
Sulphate Ion	0.0001	0.2012	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703208
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	8.625	µg/m ³	V0
Sodium Ion	0.0006	0.0101	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0327	µg/m ³	V0
Magnesium Ion	0.00005	0.0120	µg/m ³	V0
Calcium Ion	0.0021	0.1313	µg/m ³	V0
Fluoride Ion	0.00001	0.0001	µg/m ³	V0
Chloride Ion	0.0014	0.0089	µg/m ³	V0
Nitrate Ion	0.0002	0.0128	µg/m ³	V0
Sulphate Ion	0.0001	0.1183	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703230
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	2.875	µg/m ³	V0
Sodium Ion	0.0006	0.0162	µg/m ³	V0
Ammonium Ion	0.00004	0.0451	µg/m ³	V0
Potassium Ion	0.0001	0.0139	µg/m ³	V0
Magnesium Ion	0.00005	0.0033	µg/m ³	V0
Calcium Ion	0.0021	0.0153	µg/m ³	V0
Fluoride Ion	0.00001	0.0016	µg/m ³	V0
Chloride Ion	0.0014	0.0080	µg/m ³	V0
Nitrate Ion	0.0002	0.0149	µg/m ³	V0
Sulphate Ion	0.0001	0.1520	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703234
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.4	°C	
Pressure		715.3	mmHg	
Particulate Matter	0.042	6.542	µg/m ³	V0
Sodium Ion	0.0006	0.0035	µg/m ³	V0
Ammonium Ion	0.00004	0.0506	µg/m ³	V0
Potassium Ion	0.0001	0.0632	µg/m ³	V0
Magnesium Ion	0.00005	0.0051	µg/m ³	V0
Calcium Ion	0.0021	0.0167	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.0173	µg/m ³	V0
Nitrate Ion	0.0002	0.0167	µg/m ³	V0
Sulphate Ion	0.0001	0.1870	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-07-22 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-07-23 00:00**

Set Index: **1**
WBEA ID: **220703243**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.2	°C	
Pressure		736.3	mmHg	
Particulate Matter	0.042	9.542	µg/m ³	V0
Sodium Ion	0.0006	0.0105	µg/m ³	V0
Ammonium Ion	0.00004	0.1434	µg/m ³	V0
Potassium Ion	0.0001	0.0533	µg/m ³	V0
Magnesium Ion	0.00005	0.0220	µg/m ³	V0
Calcium Ion	0.0021	0.1784	µg/m ³	V0
Fluoride Ion	0.00001	0.0023	µg/m ³	V0
Chloride Ion	0.0014	0.0199	µg/m ³	V0
Nitrate Ion	0.0002	0.0575	µg/m ³	V0
Sulphate Ion	0.0001	0.5297	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-07-22 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-23 00:00

Set Index: 1
WBEA ID: 220703248
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.2	°C	
Pressure		727.1	mmHg	
Particulate Matter	0.042	9.083	µg/m ³	V0
Sodium Ion	0.0006	0.0102	µg/m ³	V0
Ammonium Ion	0.00004	0.2054	µg/m ³	V0
Potassium Ion	0.0001	0.0516	µg/m ³	V0
Magnesium Ion	0.00005	0.0113	µg/m ³	V0
Calcium Ion	0.0021	0.1265	µg/m ³	V0
Fluoride Ion	0.00001	0.0021	µg/m ³	V0
Chloride Ion	0.0014	0.0152	µg/m ³	V0
Nitrate Ion	0.0002	0.0588	µg/m ³	V0
Sulphate Ion	0.0001	0.5693	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703293
Start Date:	2022-07-25 10:10	End Date:	2022-07-25 10:11	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Sodium Ion	0.0006	0.0047	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0034	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0149	µg/m ³	V0
Fluoride Ion	0.00001	0.0047	µg/m ³	V0
Chloride Ion	0.0014	0.0078	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0072	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703285
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.0	°C	
Pressure		734.9	mmHg	
Particulate Matter	0.042	17.958	µg/m ³	V0
Sodium Ion	0.0006	0.0387	µg/m ³	V0
Ammonium Ion	0.00004	0.1154	µg/m ³	V0
Potassium Ion	0.0001	0.0417	µg/m ³	V0
Magnesium Ion	0.00005	0.0645	µg/m ³	V0
Calcium Ion	0.0021	0.3969	µg/m ³	V0
Fluoride Ion	0.00001	0.0134	µg/m ³	V0
Chloride Ion	0.0014	0.0333	µg/m ³	V0
Nitrate Ion	0.0002	0.0461	µg/m ³	V0
Sulphate Ion	0.0001	0.3183	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703297
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.4	°C	
Pressure		725.5	mmHg	
Particulate Matter	0.042	17.250	µg/m ³	V0
Sodium Ion	0.0006	0.0375	µg/m ³	V0
Ammonium Ion	0.00004	0.1086	µg/m ³	V0
Potassium Ion	0.0001	0.0410	µg/m ³	V0
Magnesium Ion	0.00005	0.0444	µg/m ³	V0
Calcium Ion	0.0021	0.3781	µg/m ³	V0
Fluoride Ion	0.00001	0.0032	µg/m ³	V0
Chloride Ion	0.0014	0.0216	µg/m ³	V0
Nitrate Ion	0.0002	0.0471	µg/m ³	V0
Sulphate Ion	0.0001	0.4247	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703310
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

Power failure(87480/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V6
Temperature		24.3	°C	
Pressure		714.7	mmHg	
Particulate Matter	0.042	17.449	µg/m ³	V0
Sodium Ion	0.0006	0.0717	µg/m ³	V0
Ammonium Ion	0.00004	0.1381	µg/m ³	V0
Potassium Ion	0.0001	0.0414	µg/m ³	V0
Magnesium Ion	0.00005	0.0395	µg/m ³	V0
Calcium Ion	0.0021	0.6726	µg/m ³	V0
Fluoride Ion	0.00001	0.0165	µg/m ³	V0
Chloride Ion	0.0014	0.0177	µg/m ³	V0
Nitrate Ion	0.0002	0.0453	µg/m ³	V0
Sulphate Ion	0.0001	0.4520	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703316
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.1	°C	
Pressure		732.6	mmHg	
Particulate Matter	0.042	70.875	µg/m ³	V0
Sodium Ion	0.0006	0.6272	µg/m ³	V4
Ammonium Ion	0.00004	0.4888	µg/m ³	V0
Potassium Ion	0.0001	0.0688	µg/m ³	V0
Magnesium Ion	0.00005	0.0762	µg/m ³	V0
Calcium Ion	0.0021	1.7951	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	0.2451	µg/m ³	V0
Nitrate Ion	0.0002	0.1505	µg/m ³	V0
Sulphate Ion	0.0001	2.8127	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703333
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.1	°C	
Pressure		733.7	mmHg	
Particulate Matter	0.042	62.250	µg/m ³	V0
Sodium Ion	0.0006	0.4494	µg/m ³	V4
Ammonium Ion	0.00004	0.4070	µg/m ³	V0
Potassium Ion	0.0001	0.0701	µg/m ³	V0
Magnesium Ion	0.00005	0.0921	µg/m ³	V0
Calcium Ion	0.0021	1.6535	µg/m ³	V0
Fluoride Ion	0.00001	0.0027	µg/m ³	V0
Chloride Ion	0.0014	0.1519	µg/m ³	V0
Nitrate Ion	0.0002	0.1358	µg/m ³	V0
Sulphate Ion	0.0001	2.3253	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703340
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.6	°C	
Pressure		709.4	mmHg	
Particulate Matter	0.042	22.625	µg/m ³	V0
Sodium Ion	0.0006	0.0360	µg/m ³	V0
Ammonium Ion	0.00004	0.2155	µg/m ³	V0
Potassium Ion	0.0001	0.0377	µg/m ³	V0
Magnesium Ion	0.00005	0.0921	µg/m ³	V0
Calcium Ion	0.0021	0.6422	µg/m ³	V0
Fluoride Ion	0.00001	0.0148	µg/m ³	V0
Chloride Ion	0.0014	0.0462	µg/m ³	V0
Nitrate Ion	0.0002	0.1198	µg/m ³	V0
Sulphate Ion	0.0001	0.4780	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703347
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.5	°C	
Pressure		717.6	mmHg	
Particulate Matter	0.042	16.000	µg/m ³	V0
Sodium Ion	0.0006	0.0071	µg/m ³	V0
Ammonium Ion	0.00004	0.2031	µg/m ³	V0
Potassium Ion	0.0001	0.0386	µg/m ³	V0
Magnesium Ion	0.00005	0.0423	µg/m ³	V0
Calcium Ion	0.0021	0.3263	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0111	µg/m ³	V0
Nitrate Ion	0.0002	0.0738	µg/m ³	V0
Sulphate Ion	0.0001	0.4511	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220703355
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		23.6	°C	
Pressure		731.9	mmHg	
Particulate Matter	0.042	42.583	µg/m ³	V0
Sodium Ion	0.0006	0.0809	µg/m ³	V0
Ammonium Ion	0.00004	0.0787	µg/m ³	V0
Potassium Ion	0.0001	0.0544	µg/m ³	V0
Magnesium Ion	0.00005	0.0580	µg/m ³	V0
Calcium Ion	0.0021	1.7084	µg/m ³	V0
Fluoride Ion	0.00001	0.0140	µg/m ³	V0
Chloride Ion	0.0014	0.0244	µg/m ³	V0
Nitrate Ion	0.0002	0.1107	µg/m ³	V0
Sulphate Ion	0.0001	0.6352	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703358
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.2	°C	
Pressure		731.1	mmHg	
Particulate Matter	0.042	86.708	µg/m ³	V0
Sodium Ion	0.0006	0.7726	µg/m ³	V4
Ammonium Ion	0.00004	0.0090	µg/m ³	V0
Potassium Ion	0.0001	0.0815	µg/m ³	V0
Magnesium Ion	0.00005	0.1458	µg/m ³	V0
Calcium Ion	0.0021	1.0184	µg/m ³	V0
Fluoride Ion	0.00001	0.0193	µg/m ³	V0
Chloride Ion	0.0014	0.2404	µg/m ³	V0
Nitrate Ion	0.0002	0.1883	µg/m ³	V0
Sulphate Ion	0.0001	1.9106	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703304
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.9	°C	
Pressure		735.2	mmHg	
Particulate Matter	0.042	19.667	µg/m ³	V0
Sodium Ion	0.0006	0.0206	µg/m ³	V0
Ammonium Ion	0.00004	0.1792	µg/m ³	V0
Potassium Ion	0.0001	0.0403	µg/m ³	V0
Magnesium Ion	0.00005	0.0237	µg/m ³	V0
Calcium Ion	0.0021	0.3225	µg/m ³	V0
Fluoride Ion	0.00001	0.0124	µg/m ³	V0
Chloride Ion	0.0014	0.0134	µg/m ³	V0
Nitrate Ion	0.0002	0.0460	µg/m ³	V0
Sulphate Ion	0.0001	0.5106	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803413
Start Date:	2022-08-02 08:18	End Date:	2022-08-02 08:19	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Sodium Ion	0.0006	0.0014	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0012	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0050	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0143	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703376
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.0	°C	
Pressure		728.9	mmHg	
Particulate Matter	0.042	24.917	µg/m ³	V0
Sodium Ion	0.0006	0.0612	µg/m ³	V0
Ammonium Ion	0.00004	0.3095	µg/m ³	V0
Potassium Ion	0.0001	0.0242	µg/m ³	V0
Magnesium Ion	0.00005	0.0320	µg/m ³	V0
Calcium Ion	0.0021	0.6108	µg/m ³	V0
Fluoride Ion	0.00001	0.0055	µg/m ³	V0
Chloride Ion	0.0014	0.0353	µg/m ³	V0
Nitrate Ion	0.0002	0.1175	µg/m ³	V0
Sulphate Ion	0.0001	1.0198	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220703379
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.0	°C	
Pressure		732.0	mmHg	
Particulate Matter	0.042	20.167	µg/m ³	V0
Sodium Ion	0.0006	0.0310	µg/m ³	V0
Ammonium Ion	0.00004	0.7271	µg/m ³	V0
Potassium Ion	0.0001	0.0352	µg/m ³	V0
Magnesium Ion	0.00005	0.0256	µg/m ³	V0
Calcium Ion	0.0021	0.9221	µg/m ³	V0
Fluoride Ion	0.00001	0.0036	µg/m ³	V0
Chloride Ion	0.0014	0.0329	µg/m ³	V0
Nitrate Ion	0.0002	0.0905	µg/m ³	V0
Sulphate Ion	0.0001	2.3574	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Bertha Ganter - Fort McKay
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220703385
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.7	°C	
Pressure		730.7	mmHg	
Particulate Matter	0.042	25.417	µg/m ³	V0
Sodium Ion	0.0006	0.0452	µg/m ³	V0
Ammonium Ion	0.00004	0.6418	µg/m ³	V0
Potassium Ion	0.0001	0.0278	µg/m ³	V0
Magnesium Ion	0.00005	0.0267	µg/m ³	V0
Calcium Ion	0.0021	1.7950	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.0627	µg/m ³	V0
Nitrate Ion	0.0002	0.1317	µg/m ³	V0
Sulphate Ion	0.0001	2.1128	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220803407
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.5	°C	
Pressure		733.0	mmHg	
Particulate Matter	0.042	18.000	µg/m ³	V0
Sodium Ion	0.0006	0.0186	µg/m ³	V0
Ammonium Ion	0.00004	0.1412	µg/m ³	V0
Potassium Ion	0.0001	0.0485	µg/m ³	V0
Magnesium Ion	0.00005	0.0305	µg/m ³	V0
Calcium Ion	0.0021	0.4922	µg/m ³	V0
Fluoride Ion	0.00001	0.0053	µg/m ³	V0
Chloride Ion	0.0014	0.0453	µg/m ³	V0
Nitrate Ion	0.0002	0.0946	µg/m ³	V0
Sulphate Ion	0.0001	0.5250	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803418
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	83.833	µg/m ³	V0
Sodium Ion	0.0006	0.1092	µg/m ³	V0
Ammonium Ion	0.00004	0.2919	µg/m ³	V0
Potassium Ion	0.0001	0.0295	µg/m ³	V0
Magnesium Ion	0.00005	0.0776	µg/m ³	V0
Calcium Ion	0.0021	2.6648	µg/m ³	V0
Fluoride Ion	0.00001	0.0077	µg/m ³	V0
Chloride Ion	0.0014	0.1828	µg/m ³	V0
Nitrate Ion	0.0002	0.2633	µg/m ³	V0
Sulphate Ion	0.0001	1.5507	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803423
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.1	°C	
Pressure		712.3	mmHg	
Particulate Matter	0.042	10.958	µg/m ³	V0
Sodium Ion	0.0006	0.0087	µg/m ³	V0
Ammonium Ion	0.00004	0.1250	µg/m ³	V0
Potassium Ion	0.0001	0.0447	µg/m ³	V0
Magnesium Ion	0.00005	0.0121	µg/m ³	V0
Calcium Ion	0.0021	0.4723	µg/m ³	V0
Fluoride Ion	0.00001	0.0028	µg/m ³	V0
Chloride Ion	0.0014	0.0272	µg/m ³	V0
Nitrate Ion	0.0002	0.0664	µg/m ³	V0
Sulphate Ion	0.0001	0.4598	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803434
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.4	°C	
Pressure		733.8	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Sodium Ion	0.0006	0.0074	µg/m ³	V0
Ammonium Ion	0.00004	0.0036	µg/m ³	V0
Potassium Ion	0.0001	0.0078	µg/m ³	V0
Magnesium Ion	0.00005	0.0026	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0237	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1403	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803440
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.5	°C	
Pressure		706.8	mmHg	
Particulate Matter	0.042	10.917	µg/m ³	V0
Sodium Ion	0.0006	0.0167	µg/m ³	V0
Ammonium Ion	0.00004	0.2054	µg/m ³	V0
Potassium Ion	0.0001	0.0232	µg/m ³	V0
Magnesium Ion	0.00005	0.0311	µg/m ³	V0
Calcium Ion	0.0021	0.1998	µg/m ³	V0
Fluoride Ion	0.00001	0.0019	µg/m ³	V0
Chloride Ion	0.0014	0.0616	µg/m ³	V0
Nitrate Ion	0.0002	0.0364	µg/m ³	V0
Sulphate Ion	0.0001	0.6037	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220803445
Duration: 24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.4	°C	
Pressure		723.8	mmHg	
Particulate Matter	0.042	15.708	µg/m ³	V0
Sodium Ion	0.0006	0.0167	µg/m ³	V0
Ammonium Ion	0.00004	0.1059	µg/m ³	V0
Potassium Ion	0.0001	0.0335	µg/m ³	V0
Magnesium Ion	0.00005	0.0349	µg/m ³	V0
Calcium Ion	0.0021	0.4525	µg/m ³	V0
Fluoride Ion	0.00001	0.0068	µg/m ³	V0
Chloride Ion	0.0014	0.0445	µg/m ³	V0
Nitrate Ion	0.0002	0.0980	µg/m ³	V0
Sulphate Ion	0.0001	0.5013	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803456
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.7	°C	
Pressure		715.2	mmHg	
Particulate Matter	0.042	10.500	µg/m ³	V0
Sodium Ion	0.0006	0.0070	µg/m ³	V0
Ammonium Ion	0.00004	0.2544	µg/m ³	V0
Potassium Ion	0.0001	0.0309	µg/m ³	V0
Magnesium Ion	0.00005	0.0129	µg/m ³	V0
Calcium Ion	0.0021	0.1332	µg/m ³	V0
Fluoride Ion	0.00001	0.0038	µg/m ³	V0
Chloride Ion	0.0014	0.0172	µg/m ³	V0
Nitrate Ion	0.0002	0.0672	µg/m ³	V0
Sulphate Ion	0.0001	0.7822	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803595
Start Date:	2022-08-05 15:25	End Date:	2022-08-06 15:26	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0009	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0122	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803459
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.5	°C	
Pressure		720.2	mmHg	
Particulate Matter	0.042	6.083	µg/m ³	V0
Sodium Ion	0.0006	0.0033	µg/m ³	V0
Ammonium Ion	0.00004	0.1869	µg/m ³	V0
Potassium Ion	0.0001	0.0237	µg/m ³	V0
Magnesium Ion	0.00005	0.0074	µg/m ³	V0
Calcium Ion	0.0021	0.0827	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.0220	µg/m ³	V0
Nitrate Ion	0.0002	0.0336	µg/m ³	V0
Sulphate Ion	0.0001	0.6206	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-08-09 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-10 00:00

Set Index: 1
WBEA ID: 220803467
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.4	°C	
Pressure		741.1	mmHg	
Particulate Matter	0.042	10.750	µg/m ³	V0
Sodium Ion	0.0006	0.0082	µg/m ³	V0
Ammonium Ion	0.00004	0.2965	µg/m ³	V0
Potassium Ion	0.0001	0.0295	µg/m ³	V0
Magnesium Ion	0.00005	0.0267	µg/m ³	V0
Calcium Ion	0.0021	0.2142	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0314	µg/m ³	V0
Nitrate Ion	0.0002	0.0615	µg/m ³	V0
Sulphate Ion	0.0001	0.9360	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-08-09 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-08-10 00:00

Set Index: 1
WBEA ID: 220803474
Duration: 24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		731.7	mmHg	
Particulate Matter	0.042	8.875	µg/m ³	V0
Sodium Ion	0.0006	0.0071	µg/m ³	V0
Ammonium Ion	0.00004	0.2876	µg/m ³	V0
Potassium Ion	0.0001	0.0308	µg/m ³	V0
Magnesium Ion	0.00005	0.0138	µg/m ³	V0
Calcium Ion	0.0021	0.1344	µg/m ³	V0
Fluoride Ion	0.00001	0.0058	µg/m ³	V0
Chloride Ion	0.0014	0.0217	µg/m ³	V0
Nitrate Ion	0.0002	0.0627	µg/m ³	V0
Sulphate Ion	0.0001	0.9157	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803492
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	31.542	µg/m ³	V0
Sodium Ion	0.0006	0.0411	µg/m ³	V0
Ammonium Ion	0.00004	0.2232	µg/m ³	V0
Potassium Ion	0.0001	0.0197	µg/m ³	V0
Magnesium Ion	0.00005	0.0258	µg/m ³	V0
Calcium Ion	0.0021	0.9014	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	0.0235	µg/m ³	V0
Nitrate Ion	0.0002	0.1645	µg/m ³	V0
Sulphate Ion	0.0001	0.7506	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-08-09 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-08-10 00:00

Set Index: 1
WBEA ID: 220803495
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		739.9	mmHg	
Particulate Matter	0.042	10.792	µg/m ³	V0
Sodium Ion	0.0006	0.0058	µg/m ³	V0
Ammonium Ion	0.00004	0.3209	µg/m ³	V0
Potassium Ion	0.0001	0.0332	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.2328	µg/m ³	V0
Fluoride Ion	0.00001	0.0024	µg/m ³	V0
Chloride Ion	0.0014	0.0265	µg/m ³	V0
Nitrate Ion	0.0002	0.0560	µg/m ³	V0
Sulphate Ion	0.0001	0.9714	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-08-09 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-08-10 00:00

Set Index: 1
WBEA ID: 220803500
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		736.7	mmHg	
Particulate Matter	0.042	10.708	µg/m ³	V0
Sodium Ion	0.0006	0.0121	µg/m ³	V0
Ammonium Ion	0.00004	0.2715	µg/m ³	V0
Potassium Ion	0.0001	0.0200	µg/m ³	V0
Magnesium Ion	0.00005	0.0132	µg/m ³	V0
Calcium Ion	0.0021	0.2312	µg/m ³	V0
Fluoride Ion	0.00001	0.0018	µg/m ³	V0
Chloride Ion	0.0014	0.0304	µg/m ³	V0
Nitrate Ion	0.0002	0.0763	µg/m ³	V0
Sulphate Ion	0.0001	0.8079	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803506
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		714.9	mmHg	
Particulate Matter	0.042	15.667	µg/m ³	V0
Sodium Ion	0.0006	0.0182	µg/m ³	V0
Ammonium Ion	0.00004	0.0221	µg/m ³	V0
Potassium Ion	0.0001	0.0177	µg/m ³	V0
Magnesium Ion	0.00005	0.0290	µg/m ³	V0
Calcium Ion	0.0021	0.6293	µg/m ³	V0
Fluoride Ion	0.00001	0.0026	µg/m ³	V0
Chloride Ion	0.0014	0.0642	µg/m ³	V0
Nitrate Ion	0.0002	0.0084	µg/m ³	V0
Sulphate Ion	0.0001	0.1643	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803515
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.4	°C	
Pressure		723.2	mmHg	
Particulate Matter	0.042	6.083	µg/m ³	V0
Sodium Ion	0.0006	0.0021	µg/m ³	V0
Ammonium Ion	0.00004	0.0411	µg/m ³	V0
Potassium Ion	0.0001	0.0165	µg/m ³	V0
Magnesium Ion	0.00005	0.0111	µg/m ³	V0
Calcium Ion	0.0021	0.0656	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0184	µg/m ³	V0
Nitrate Ion	0.0002	0.0120	µg/m ³	V0
Sulphate Ion	0.0001	0.2307	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803523
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		738.4	mmHg	
Particulate Matter	0.042	12.208	µg/m ³	V0
Sodium Ion	0.0006	0.0125	µg/m ³	V0
Ammonium Ion	0.00004	0.3138	µg/m ³	V0
Potassium Ion	0.0001	0.0232	µg/m ³	V0
Magnesium Ion	0.00005	0.0149	µg/m ³	V0
Calcium Ion	0.0021	0.5167	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	0.0375	µg/m ³	V0
Nitrate Ion	0.0002	0.0946	µg/m ³	V0
Sulphate Ion	0.0001	0.9187	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-08-09 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-08-10 00:00

Set Index: 1
WBEA ID: 220803489
Duration: 24.0 hr

Notes

Power outage resulted in a short sampling duration and low sample volume.(50820/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2
Temperature		16.2	°C	
Pressure		740.5	mmHg	
Particulate Matter	0.042	-9999	µg/m ³	M2
Sodium Ion	0.0006	-9999	µg/m ³	M2
Ammonium Ion	0.00004	-9999	µg/m ³	M2
Potassium Ion	0.0001	-9999	µg/m ³	M2
Magnesium Ion	0.00005	-9999	µg/m ³	M2
Calcium Ion	0.0021	-9999	µg/m ³	M2
Fluoride Ion	0.00001	-9999	µg/m ³	M2
Chloride Ion	0.0014	-9999	µg/m ³	M2
Nitrate Ion	0.0002	-9999	µg/m ³	M2
Sulphate Ion	0.0001	-9999	µg/m ³	M2
Phosphate Ion	0.0018	-9999	µg/m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803606
Start Date:	2022-08-14 16:45	End Date:	2022-08-14 16:46	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0014	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0018	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0144	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803540
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.8	°C	
Pressure		731.1	mmHg	
Particulate Matter	0.042	21.458	µg/m ³	V0
Sodium Ion	0.0006	0.0677	µg/m ³	V0
Ammonium Ion	0.00004	0.0814	µg/m ³	V0
Potassium Ion	0.0001	0.0145	µg/m ³	V0
Magnesium Ion	0.00005	0.0315	µg/m ³	V0
Calcium Ion	0.0021	0.2122	µg/m ³	V0
Fluoride Ion	0.00001	0.0038	µg/m ³	V0
Chloride Ion	0.0014	0.0355	µg/m ³	V0
Nitrate Ion	0.0002	0.0367	µg/m ³	V0
Sulphate Ion	0.0001	0.3707	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803544
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.7	°C	
Pressure		710.3	mmHg	
Particulate Matter	0.042	25.542	µg/m ³	V0
Sodium Ion	0.0006	0.0512	µg/m ³	V0
Ammonium Ion	0.00004	0.0009	µg/m ³	V0
Potassium Ion	0.0001	0.0205	µg/m ³	V0
Magnesium Ion	0.00005	0.0542	µg/m ³	V0
Calcium Ion	0.0021	0.6734	µg/m ³	V0
Fluoride Ion	0.00001	0.0034	µg/m ³	V0
Chloride Ion	0.0014	0.1510	µg/m ³	V0
Nitrate Ion	0.0002	0.0139	µg/m ³	V0
Sulphate Ion	0.0001	0.1459	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220803551
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.3	°C	
Pressure		731.0	mmHg	
Particulate Matter	0.042	10.250	µg/m ³	V0
Sodium Ion	0.0006	0.0196	µg/m ³	V0
Ammonium Ion	0.00004	0.0402	µg/m ³	V0
Potassium Ion	0.0001	0.0144	µg/m ³	V0
Magnesium Ion	0.00005	0.0146	µg/m ³	V0
Calcium Ion	0.0021	0.0875	µg/m ³	V0
Fluoride Ion	0.00001	0.0026	µg/m ³	V0
Chloride Ion	0.0014	0.0164	µg/m ³	V0
Nitrate Ion	0.0002	0.0197	µg/m ³	V0
Sulphate Ion	0.0001	0.2149	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803557
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.9	°C	
Pressure		718.3	mmHg	
Particulate Matter	0.042	8.667	µg/m ³	V0
Sodium Ion	0.0006	0.0057	µg/m ³	V0
Ammonium Ion	0.00004	0.0150	µg/m ³	V0
Potassium Ion	0.0001	0.0248	µg/m ³	V0
Magnesium Ion	0.00005	0.0169	µg/m ³	V0
Calcium Ion	0.0021	0.1362	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0462	µg/m ³	V0
Nitrate Ion	0.0002	0.0251	µg/m ³	V0
Sulphate Ion	0.0001	0.1238	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-08-15 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-08-16 00:00

Set Index: 1
WBEA ID: 220803559
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.9	°C	
Pressure		733.7	mmHg	
Particulate Matter	0.042	21.792	µg/m ³	V0
Sodium Ion	0.0006	0.0740	µg/m ³	V0
Ammonium Ion	0.00004	0.1190	µg/m ³	V0
Potassium Ion	0.0001	0.0190	µg/m ³	V0
Magnesium Ion	0.00005	0.0360	µg/m ³	V0
Calcium Ion	0.0021	0.3090	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	0.0310	µg/m ³	V0
Nitrate Ion	0.0002	0.0280	µg/m ³	V0
Sulphate Ion	0.0001	0.5300	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220803574
Start Date: 2022-08-15 00:00 End Date: 2022-08-16 00:00 Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.0	°C	
Pressure		732.5	mmHg	
Particulate Matter	0.042	13.458	µg/m ³	V0
Sodium Ion	0.0006	0.0231	µg/m ³	V0
Ammonium Ion	0.00004	0.1537	µg/m ³	V0
Potassium Ion	0.0001	0.0166	µg/m ³	V0
Magnesium Ion	0.00005	0.0234	µg/m ³	V0
Calcium Ion	0.0021	0.3995	µg/m ³	V0
Fluoride Ion	0.00001	0.0047	µg/m ³	V0
Chloride Ion	0.0014	0.0288	µg/m ³	V0
Nitrate Ion	0.0002	0.0250	µg/m ³	V0
Sulphate Ion	0.0001	0.5146	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-08-15 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-08-16 00:00

Set Index: 1
WBEA ID: 220803581
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.8	°C	
Pressure		726.4	mmHg	
Particulate Matter	0.042	7.333	µg/m ³	V0
Sodium Ion	0.0006	0.0102	µg/m ³	V0
Ammonium Ion	0.00004	0.0281	µg/m ³	V0
Potassium Ion	0.0001	0.0167	µg/m ³	V0
Magnesium Ion	0.00005	0.0165	µg/m ³	V0
Calcium Ion	0.0021	0.1254	µg/m ³	V0
Fluoride Ion	0.00001	0.0001	µg/m ³	V0
Chloride Ion	0.0014	0.0344	µg/m ³	V0
Nitrate Ion	0.0002	0.0186	µg/m ³	V0
Sulphate Ion	0.0001	0.1752	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803587
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.7	°C	
Pressure		735.3	mmHg	
Particulate Matter	0.042	13.500	µg/m ³	V0
Sodium Ion	0.0006	0.0155	µg/m ³	V0
Ammonium Ion	0.00004	0.0143	µg/m ³	V0
Potassium Ion	0.0001	0.0328	µg/m ³	V0
Magnesium Ion	0.00005	0.0389	µg/m ³	V0
Calcium Ion	0.0021	0.3016	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0523	µg/m ³	V0
Nitrate Ion	0.0002	0.0300	µg/m ³	V0
Sulphate Ion	0.0001	0.1781	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803608
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

Power outage(79260/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		22.0	m ³	V6
Temperature		19.9	°C	
Pressure		715.1	mmHg	
Particulate Matter	0.042	7.455	µg/m ³	V0
Sodium Ion	0.0006	0.0041	µg/m ³	V0
Ammonium Ion	0.00004	0.0295	µg/m ³	V0
Potassium Ion	0.0001	0.0254	µg/m ³	V0
Magnesium Ion	0.00005	0.0106	µg/m ³	V0
Calcium Ion	0.0021	0.0790	µg/m ³	V0
Fluoride Ion	0.00001	0.0003	µg/m ³	V0
Chloride Ion	0.0014	0.0219	µg/m ³	V0
Nitrate Ion	0.0002	0.0152	µg/m ³	V0
Sulphate Ion	0.0001	0.1867	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803598
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.0	°C	
Pressure		733.8	mmHg	
Particulate Matter	0.042	5.417	µg/m ³	V0
Sodium Ion	0.0006	0.0088	µg/m ³	V0
Ammonium Ion	0.00004	0.0227	µg/m ³	V0
Potassium Ion	0.0001	0.0161	µg/m ³	V0
Magnesium Ion	0.00005	0.0066	µg/m ³	V0
Calcium Ion	0.0021	0.0321	µg/m ³	V0
Fluoride Ion	0.00001	0.0035	µg/m ³	V0
Chloride Ion	0.0014	0.0173	µg/m ³	V0
Nitrate Ion	0.0002	0.0197	µg/m ³	V0
Sulphate Ion	0.0001	0.1825	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803629
Start Date:	2022-08-16 09:32	End Date:	2022-08-16 09:33	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Sodium Ion	0.0006	0.0007	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0021	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.0136	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803624
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		714.1	mmHg	
Particulate Matter	0.042	36.125	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.2331	µg/m ³	V0
Potassium Ion	0.0001	0.1009	µg/m ³	V0
Magnesium Ion	0.00005	0.0603	µg/m ³	V0
Calcium Ion	0.0021	0.3416	µg/m ³	V0
Fluoride Ion	0.00001	0.0403	µg/m ³	V0
Chloride Ion	0.0014	0.0394	µg/m ³	V0
Nitrate Ion	0.0002	0.0486	µg/m ³	V0
Sulphate Ion	0.0001	0.3801	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803636
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.7	°C	
Pressure		722.5	mmHg	
Particulate Matter	0.042	34.625	µg/m ³	V0
Sodium Ion	0.0006	0.0048	µg/m ³	V0
Ammonium Ion	0.00004	0.2489	µg/m ³	V0
Potassium Ion	0.0001	0.1127	µg/m ³	V0
Magnesium Ion	0.00005	0.0210	µg/m ³	V0
Calcium Ion	0.0021	0.1282	µg/m ³	V0
Fluoride Ion	0.00001	0.0419	µg/m ³	V0
Chloride Ion	0.0014	0.0370	µg/m ³	V0
Nitrate Ion	0.0002	0.0466	µg/m ³	V0
Sulphate Ion	0.0001	0.3969	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803642
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		720.1	mmHg	
Particulate Matter	0.042	31.250	µg/m ³	V0
Sodium Ion	0.0006	0.0153	µg/m ³	V0
Ammonium Ion	0.00004	0.2190	µg/m ³	V0
Potassium Ion	0.0001	0.0640	µg/m ³	V0
Magnesium Ion	0.00005	0.0288	µg/m ³	V0
Calcium Ion	0.0021	0.4940	µg/m ³	V0
Fluoride Ion	0.00001	0.0319	µg/m ³	V0
Chloride Ion	0.0014	0.0376	µg/m ³	V0
Nitrate Ion	0.0002	0.1453	µg/m ³	V0
Sulphate Ion	0.0001	0.4083	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803646
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		738.0	mmHg	
Particulate Matter	0.042	150.042	µg/m ³	V0
Sodium Ion	0.0006	0.1442	µg/m ³	V0
Ammonium Ion	0.00004	0.0718	µg/m ³	V0
Potassium Ion	0.0001	0.0556	µg/m ³	V0
Magnesium Ion	0.00005	0.1499	µg/m ³	V0
Calcium Ion	0.0021	3.5438	µg/m ³	V0
Fluoride Ion	0.00001	0.0072	µg/m ³	V0
Chloride Ion	0.0014	0.4351	µg/m ³	V4
Nitrate Ion	0.0002	0.1689	µg/m ³	V0
Sulphate Ion	0.0001	1.1052	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-08-21 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-22 00:00

Set Index: 1
WBEA ID: 220803654
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		743.4	mmHg	
Particulate Matter	0.042	60.417	µg/m ³	V0
Sodium Ion	0.0006	0.1079	µg/m ³	V0
Ammonium Ion	0.00004	0.2103	µg/m ³	V0
Potassium Ion	0.0001	0.0722	µg/m ³	V0
Magnesium Ion	0.00005	0.0618	µg/m ³	V0
Calcium Ion	0.0021	2.5634	µg/m ³	V0
Fluoride Ion	0.00001	0.0240	µg/m ³	V0
Chloride Ion	0.0014	0.0911	µg/m ³	V0
Nitrate Ion	0.0002	0.4454	µg/m ³	V0
Sulphate Ion	0.0001	0.8039	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220803661
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		737.4	mmHg	
Particulate Matter	0.042	42.333	µg/m ³	V0
Sodium Ion	0.0006	0.0355	µg/m ³	V0
Ammonium Ion	0.00004	0.1285	µg/m ³	V0
Potassium Ion	0.0001	0.0379	µg/m ³	V0
Magnesium Ion	0.00005	0.0732	µg/m ³	V0
Calcium Ion	0.0021	0.9350	µg/m ³	V0
Fluoride Ion	0.00001	0.0231	µg/m ³	V0
Chloride Ion	0.0014	0.0389	µg/m ³	V0
Nitrate Ion	0.0002	0.1311	µg/m ³	V0
Sulphate Ion	0.0001	0.3982	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803664
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.9	°C	
Pressure		732.3	mmHg	
Particulate Matter	0.042	38.375	µg/m ³	V0
Sodium Ion	0.0006	0.0386	µg/m ³	V0
Ammonium Ion	0.00004	0.2735	µg/m ³	V0
Potassium Ion	0.0001	0.0421	µg/m ³	V0
Magnesium Ion	0.00005	0.0531	µg/m ³	V0
Calcium Ion	0.0021	1.7003	µg/m ³	V0
Fluoride Ion	0.00001	0.0238	µg/m ³	V0
Chloride Ion	0.0014	0.0574	µg/m ³	V0
Nitrate Ion	0.0002	0.1917	µg/m ³	V0
Sulphate Ion	0.0001	0.7454	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220803670
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.8	°C	
Pressure		740.1	mmHg	
Particulate Matter	0.042	47.542	µg/m ³	V0
Sodium Ion	0.0006	0.0565	µg/m ³	V0
Ammonium Ion	0.00004	0.0790	µg/m ³	V0
Potassium Ion	0.0001	0.0499	µg/m ³	V0
Magnesium Ion	0.00005	0.0886	µg/m ³	V0
Calcium Ion	0.0021	1.2828	µg/m ³	V0
Fluoride Ion	0.00001	0.0219	µg/m ³	V0
Chloride Ion	0.0014	0.0431	µg/m ³	V0
Nitrate Ion	0.0002	0.1593	µg/m ³	V0
Sulphate Ion	0.0001	0.4251	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803687
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		739.0	mmHg	
Particulate Matter	0.042	50.958	µg/m ³	V0
Sodium Ion	0.0006	0.0569	µg/m ³	V0
Ammonium Ion	0.00004	0.1389	µg/m ³	V0
Potassium Ion	0.0001	0.0399	µg/m ³	V0
Magnesium Ion	0.00005	0.0516	µg/m ³	V0
Calcium Ion	0.0021	1.7465	µg/m ³	V0
Fluoride Ion	0.00001	0.0224	µg/m ³	V0
Chloride Ion	0.0014	0.0489	µg/m ³	V0
Nitrate Ion	0.0002	0.1258	µg/m ³	V0
Sulphate Ion	0.0001	0.4521	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-08-21 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-08-22 00:00

Set Index: 1
WBEA ID: 220803615
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.8	°C	
Pressure		743.5	mmHg	
Particulate Matter	0.042	15.583	µg/m ³	V0
Sodium Ion	0.0006	0.0029	µg/m ³	V0
Ammonium Ion	0.00004	0.0956	µg/m ³	V0
Potassium Ion	0.0001	0.0281	µg/m ³	V0
Magnesium Ion	0.00005	0.0029	µg/m ³	V0
Calcium Ion	0.0021	0.0148	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0296	µg/m ³	V0
Nitrate Ion	0.0002	0.0120	µg/m ³	V0
Sulphate Ion	0.0001	0.2336	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804156
Start Date:	2022-08-23 13:50	End Date:	2022-08-23 13:51	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0009	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0028	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.0109	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803849
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		703.4	mmHg	
Particulate Matter	0.042	46.333	µg/m ³	V0
Sodium Ion	0.0006	0.0412	µg/m ³	V0
Ammonium Ion	0.00004	0.5186	µg/m ³	V0
Potassium Ion	0.0001	0.0839	µg/m ³	V0
Magnesium Ion	0.00005	0.0598	µg/m ³	V0
Calcium Ion	0.0021	0.8150	µg/m ³	V0
Fluoride Ion	0.00001	0.0570	µg/m ³	V0
Chloride Ion	0.0014	0.0336	µg/m ³	V0
Nitrate Ion	0.0002	0.2913	µg/m ³	V0
Sulphate Ion	0.0001	1.3967	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-08-27 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-28 00:00

Set Index: 1
WBEA ID: 220803949
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		725.7	mmHg	
Particulate Matter	0.042	56.333	µg/m ³	V0
Sodium Ion	0.0006	0.0921	µg/m ³	V0
Ammonium Ion	0.00004	0.3692	µg/m ³	V0
Potassium Ion	0.0001	0.0785	µg/m ³	V0
Magnesium Ion	0.00005	0.0897	µg/m ³	V0
Calcium Ion	0.0021	1.7234	µg/m ³	V0
Fluoride Ion	0.00001	0.0503	µg/m ³	V0
Chloride Ion	0.0014	0.0571	µg/m ³	V0
Nitrate Ion	0.0002	0.3780	µg/m ³	V0
Sulphate Ion	0.0001	1.3045	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-08-27 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-08-28 00:00

Set Index: 1
WBEA ID: 220803960
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		715.0	mmHg	
Particulate Matter	0.042	50.042	µg/m ³	V0
Sodium Ion	0.0006	0.0586	µg/m ³	V0
Ammonium Ion	0.00004	0.4483	µg/m ³	V0
Potassium Ion	0.0001	0.0639	µg/m ³	V0
Magnesium Ion	0.00005	0.0782	µg/m ³	V0
Calcium Ion	0.0021	1.3467	µg/m ³	V0
Fluoride Ion	0.00001	0.0474	µg/m ³	V0
Chloride Ion	0.0014	0.0537	µg/m ³	V0
Nitrate Ion	0.0002	0.3152	µg/m ³	V0
Sulphate Ion	0.0001	1.4492	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220804150
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.6	°C	
Pressure		697.3	mmHg	
Particulate Matter	0.042	27.417	µg/m ³	V0
Sodium Ion	0.0006	0.0113	µg/m ³	V0
Ammonium Ion	0.00004	0.5054	µg/m ³	V0
Potassium Ion	0.0001	0.0460	µg/m ³	V0
Magnesium Ion	0.00005	0.0793	µg/m ³	V0
Calcium Ion	0.0021	0.5977	µg/m ³	V0
Fluoride Ion	0.00001	0.0260	µg/m ³	V0
Chloride Ion	0.0014	0.0142	µg/m ³	V0
Nitrate Ion	0.0002	0.1025	µg/m ³	V0
Sulphate Ion	0.0001	1.5229	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804160
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(86460/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		704.1	mmHg	
Particulate Matter	0.042	33.625	µg/m ³	V0
Sodium Ion	0.0006	0.0074	µg/m ³	V0
Ammonium Ion	0.00004	0.5774	µg/m ³	V0
Potassium Ion	0.0001	0.0940	µg/m ³	V0
Magnesium Ion	0.00005	0.0374	µg/m ³	V0
Calcium Ion	0.0021	0.2836	µg/m ³	V0
Fluoride Ion	0.00001	0.0418	µg/m ³	V0
Chloride Ion	0.0014	0.0113	µg/m ³	V0
Nitrate Ion	0.0002	0.0934	µg/m ³	V0
Sulphate Ion	0.0001	1.5932	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220804195
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.4	°C	
Pressure		720.8	mmHg	
Particulate Matter	0.042	22.167	µg/m ³	V0
Sodium Ion	0.0006	0.0077	µg/m ³	V0
Ammonium Ion	0.00004	0.2009	µg/m ³	V0
Potassium Ion	0.0001	0.0459	µg/m ³	V0
Magnesium Ion	0.00005	0.0320	µg/m ³	V0
Calcium Ion	0.0021	0.3332	µg/m ³	V0
Fluoride Ion	0.00001	0.0282	µg/m ³	V0
Chloride Ion	0.0014	0.0224	µg/m ³	V0
Nitrate Ion	0.0002	0.0268	µg/m ³	V0
Sulphate Ion	0.0001	0.3865	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220804226
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.9	°C	
Pressure		722.2	mmHg	
Particulate Matter	0.042	23.917	µg/m ³	V0
Sodium Ion	0.0006	0.0109	µg/m ³	V0
Ammonium Ion	0.00004	0.1806	µg/m ³	V0
Potassium Ion	0.0001	0.0571	µg/m ³	V0
Magnesium Ion	0.00005	0.0330	µg/m ³	V0
Calcium Ion	0.0021	0.1379	µg/m ³	V0
Fluoride Ion	0.00001	0.0283	µg/m ³	V0
Chloride Ion	0.0014	0.0135	µg/m ³	V0
Nitrate Ion	0.0002	0.0376	µg/m ³	V0
Sulphate Ion	0.0001	0.3884	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-08-27 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-08-28 00:00

Set Index: 1
WBEA ID: 220804238
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		722.8	mmHg	
Particulate Matter	0.042	25.667	µg/m ³	V0
Sodium Ion	0.0006	0.0097	µg/m ³	V0
Ammonium Ion	0.00004	0.1823	µg/m ³	V0
Potassium Ion	0.0001	0.0750	µg/m ³	V0
Magnesium Ion	0.00005	0.0336	µg/m ³	V0
Calcium Ion	0.0021	0.1141	µg/m ³	V0
Fluoride Ion	0.00001	0.0295	µg/m ³	V0
Chloride Ion	0.0014	0.0178	µg/m ³	V0
Nitrate Ion	0.0002	0.0370	µg/m ³	V0
Sulphate Ion	0.0001	0.4102	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220804241
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

Short sampling duration and low sample volume due to brief power failure.(85320/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		18.5	°C	
Pressure		720.1	mmHg	
Particulate Matter	0.042	20.549	µg/m ³	V0
Sodium Ion	0.0006	0.0065	µg/m ³	V0
Ammonium Ion	0.00004	0.2482	µg/m ³	V0
Potassium Ion	0.0001	0.0535	µg/m ³	V0
Magnesium Ion	0.00005	0.0093	µg/m ³	V0
Calcium Ion	0.0021	0.0518	µg/m ³	V0
Fluoride Ion	0.00001	0.0288	µg/m ³	V0
Chloride Ion	0.0014	0.0245	µg/m ³	V0
Nitrate Ion	0.0002	0.0266	µg/m ³	V0
Sulphate Ion	0.0001	0.3789	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904312
Start Date:	2022-09-01 11:20	End Date:	2022-09-01 11:21	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0012	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0022	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0047	µg/m ³	V0
Fluoride Ion	0.00001	0.0008	µg/m ³	V0
Chloride Ion	0.0014	0.0335	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220804249
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		734.1	mmHg	
Particulate Matter	0.042	12.542	µg/m ³	V0
Sodium Ion	0.0006	0.0063	µg/m ³	V0
Ammonium Ion	0.00004	0.0572	µg/m ³	V0
Potassium Ion	0.0001	0.0234	µg/m ³	V0
Magnesium Ion	0.00005	0.0122	µg/m ³	V0
Calcium Ion	0.0021	0.1294	µg/m ³	V0
Fluoride Ion	0.00001	0.0045	µg/m ³	V0
Chloride Ion	0.0014	0.0259	µg/m ³	V0
Nitrate Ion	0.0002	0.0512	µg/m ³	V0
Sulphate Ion	0.0001	0.1810	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220804259
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.7	°C	
Pressure		709.7	mmHg	
Particulate Matter	0.042	37.583	µg/m ³	V0
Sodium Ion	0.0006	0.1001	µg/m ³	V0
Ammonium Ion	0.00004	0.0224	µg/m ³	V0
Potassium Ion	0.0001	0.0193	µg/m ³	V0
Magnesium Ion	0.00005	0.0460	µg/m ³	V0
Calcium Ion	0.0021	1.0833	µg/m ³	V0
Fluoride Ion	0.00001	0.0055	µg/m ³	V0
Chloride Ion	0.0014	0.1966	µg/m ³	V0
Nitrate Ion	0.0002	0.0428	µg/m ³	V0
Sulphate Ion	0.0001	0.2536	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804267
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.4	°C	
Pressure		716.6	mmHg	
Particulate Matter	0.042	11.375	µg/m ³	V0
Sodium Ion	0.0006	0.0067	µg/m ³	V0
Ammonium Ion	0.00004	0.0264	µg/m ³	V0
Potassium Ion	0.0001	0.0199	µg/m ³	V0
Magnesium Ion	0.00005	0.0272	µg/m ³	V0
Calcium Ion	0.0021	0.2215	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	0.0280	µg/m ³	V0
Nitrate Ion	0.0002	0.0295	µg/m ³	V0
Sulphate Ion	0.0001	0.1945	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220804272
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		714.7	mmHg	
Particulate Matter	0.042	9.417	µg/m ³	V0
Sodium Ion	0.0006	0.0072	µg/m ³	V0
Ammonium Ion	0.00004	0.0338	µg/m ³	V0
Potassium Ion	0.0001	0.0257	µg/m ³	V0
Magnesium Ion	0.00005	0.0131	µg/m ³	V0
Calcium Ion	0.0021	0.1318	µg/m ³	V0
Fluoride Ion	0.00001	0.0049	µg/m ³	V0
Chloride Ion	0.0014	0.0350	µg/m ³	V0
Nitrate Ion	0.0002	0.0262	µg/m ³	V0
Sulphate Ion	0.0001	0.1929	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-09-02 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-09-03 00:00**

Set Index: **1**
WBEA ID: **220804282**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.5	°C	
Pressure		736.9	mmHg	
Particulate Matter	0.042	16.792	µg/m ³	V0
Sodium Ion	0.0006	0.0219	µg/m ³	V0
Ammonium Ion	0.00004	0.0060	µg/m ³	V0
Potassium Ion	0.0001	0.0270	µg/m ³	V0
Magnesium Ion	0.00005	0.0466	µg/m ³	V0
Calcium Ion	0.0021	0.3628	µg/m ³	V0
Fluoride Ion	0.00001	0.0059	µg/m ³	V0
Chloride Ion	0.0014	0.0793	µg/m ³	V0
Nitrate Ion	0.0002	0.0316	µg/m ³	V0
Sulphate Ion	0.0001	0.1699	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220804289
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	33.708	µg/m ³	V0
Sodium Ion	0.0006	0.0496	µg/m ³	V0
Ammonium Ion	0.00004	0.0192	µg/m ³	V0
Potassium Ion	0.0001	0.0144	µg/m ³	V0
Magnesium Ion	0.00005	0.0394	µg/m ³	V0
Calcium Ion	0.0021	1.6811	µg/m ³	V0
Fluoride Ion	0.00001	0.0037	µg/m ³	V0
Chloride Ion	0.0014	0.0769	µg/m ³	V0
Nitrate Ion	0.0002	0.0463	µg/m ³	V0
Sulphate Ion	0.0001	0.4662	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904294
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.2	°C	
Pressure		725.8	mmHg	
Particulate Matter	0.042	11.667	µg/m ³	V0
Sodium Ion	0.0006	0.0151	µg/m ³	V0
Ammonium Ion	0.00004	0.0069	µg/m ³	V0
Potassium Ion	0.0001	0.0237	µg/m ³	V0
Magnesium Ion	0.00005	0.0278	µg/m ³	V0
Calcium Ion	0.0021	0.2329	µg/m ³	V0
Fluoride Ion	0.00001	0.0043	µg/m ³	V0
Chloride Ion	0.0014	0.0629	µg/m ³	V0
Nitrate Ion	0.0002	0.0314	µg/m ³	V0
Sulphate Ion	0.0001	0.1650	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904317
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.9	°C	
Pressure		732.4	mmHg	
Particulate Matter	0.042	30.292	µg/m ³	V0
Sodium Ion	0.0006	0.0728	µg/m ³	V0
Ammonium Ion	0.00004	0.0779	µg/m ³	V0
Potassium Ion	0.0001	0.0214	µg/m ³	V0
Magnesium Ion	0.00005	0.0342	µg/m ³	V0
Calcium Ion	0.0021	0.9176	µg/m ³	V0
Fluoride Ion	0.00001	0.0037	µg/m ³	V0
Chloride Ion	0.0014	0.0769	µg/m ³	V0
Nitrate Ion	0.0002	0.0707	µg/m ³	V0
Sulphate Ion	0.0001	0.5489	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220904327
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	17.292	µg/m ³	V0
Sodium Ion	0.0006	0.0399	µg/m ³	V0
Ammonium Ion	0.00004	0.0072	µg/m ³	V0
Potassium Ion	0.0001	0.0197	µg/m ³	V0
Magnesium Ion	0.00005	0.0280	µg/m ³	V0
Calcium Ion	0.0021	0.2861	µg/m ³	V0
Fluoride Ion	0.00001	0.0031	µg/m ³	V0
Chloride Ion	0.0014	0.0413	µg/m ³	V0
Nitrate Ion	0.0002	0.0389	µg/m ³	V0
Sulphate Ion	0.0001	0.2004	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220904331
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.4	°C	
Pressure		733.1	mmHg	
Particulate Matter	0.042	25.625	µg/m ³	V0
Sodium Ion	0.0006	0.0677	µg/m ³	V0
Ammonium Ion	0.00004	0.0251	µg/m ³	V0
Potassium Ion	0.0001	0.0277	µg/m ³	V0
Magnesium Ion	0.00005	0.0445	µg/m ³	V0
Calcium Ion	0.0021	0.5386	µg/m ³	V0
Fluoride Ion	0.00001	0.0038	µg/m ³	V0
Chloride Ion	0.0014	0.0582	µg/m ³	V0
Nitrate Ion	0.0002	0.0426	µg/m ³	V0
Sulphate Ion	0.0001	0.3886	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904381
Start Date:	2022-09-07 07:25	End Date:	2022-09-07 07:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0080	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0340	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-09-08 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-09-09 00:00

Set Index: 1
WBEA ID: 220904338
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.0	°C	
Pressure		736.7	mmHg	
Particulate Matter	0.042	3.625	µg/m ³	V0
Sodium Ion	0.0006	0.0056	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0116	µg/m ³	V0
Magnesium Ion	0.00005	0.0034	µg/m ³	V0
Calcium Ion	0.0021	0.0298	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0426	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1295	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904342
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.4	°C	
Pressure		732.8	mmHg	
Particulate Matter	0.042	11.958	µg/m ³	V0
Sodium Ion	0.0006	0.0171	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0088	µg/m ³	V0
Magnesium Ion	0.00005	0.0131	µg/m ³	V0
Calcium Ion	0.0021	0.4240	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0443	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1766	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904350
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.1	°C	
Pressure		710.7	mmHg	
Particulate Matter	0.042	3.333	µg/m ³	V0
Sodium Ion	0.0006	0.0037	µg/m ³	V0
Ammonium Ion	0.00004	0.0080	µg/m ³	V0
Potassium Ion	0.0001	0.0140	µg/m ³	V0
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.0197	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0317	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2248	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904358
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.9	°C	
Pressure		717.4	mmHg	
Particulate Matter	0.042	3.292	µg/m ³	V0
Sodium Ion	0.0006	0.0038	µg/m ³	V0
Ammonium Ion	0.00004	0.0194	µg/m ³	V0
Potassium Ion	0.0001	0.0141	µg/m ³	V0
Magnesium Ion	0.00005	0.0033	µg/m ³	V0
Calcium Ion	0.0021	0.0148	µg/m ³	V0
Fluoride Ion	0.00001	0.0001	µg/m ³	V0
Chloride Ion	0.0014	0.0275	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2654	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904365
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.7	°C	
Pressure		715.6	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Sodium Ion	0.0006	0.0056	µg/m ³	V0
Ammonium Ion	0.00004	0.0029	µg/m ³	V0
Potassium Ion	0.0001	0.0131	µg/m ³	V0
Magnesium Ion	0.00005	0.0038	µg/m ³	V0
Calcium Ion	0.0021	0.0342	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0388	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1962	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-09-08 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-09-09 00:00**

Set Index: **1**
WBEA ID: **220904370**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.1	°C	
Pressure		738.6	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Sodium Ion	0.0006	0.0144	µg/m ³	V0
Ammonium Ion	0.00004	0.0030	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0132	µg/m ³	V0
Calcium Ion	0.0021	0.1382	µg/m ³	V0
Fluoride Ion	0.00001	0.0005	µg/m ³	V0
Chloride Ion	0.0014	0.0396	µg/m ³	V0
Nitrate Ion	0.0002	0.0129	µg/m ³	V0
Sulphate Ion	0.0001	0.1941	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Patricia McInnes**
Start Date: **2022-09-08 00:00**

Samp Use: **Exposure**
Loc ID: **PATM**
End Date: **2022-09-09 00:00**

Set Index: **1**
WBEA ID: **220904377**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.9	°C	
Pressure		727.6	mmHg	
Particulate Matter	0.042	3.708	µg/m ³	V0
Sodium Ion	0.0006	0.0084	µg/m ³	V0
Ammonium Ion	0.00004	0.0241	µg/m ³	V0
Potassium Ion	0.0001	0.0103	µg/m ³	V0
Magnesium Ion	0.00005	0.0069	µg/m ³	V0
Calcium Ion	0.0021	0.0655	µg/m ³	V0
Fluoride Ion	0.00001	0.0004	µg/m ³	V0
Chloride Ion	0.0014	0.0480	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2631	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904388
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

Short sampling duration and low sample volume due to power outage.(84312/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		13.1	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	2.658	µg/m ³	V0
Sodium Ion	0.0006	0.0089	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0065	µg/m ³	V0
Magnesium Ion	0.00005	0.0037	µg/m ³	V0
Calcium Ion	0.0021	0.0229	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0349	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1457	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904415
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

Short sampling duration and low sample volume due to power outage.(85320/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		12.3	°C	
Pressure		732.2	mmHg	
Particulate Matter	0.042	4.051	µg/m ³	V0
Sodium Ion	0.0006	0.0337	µg/m ³	V0
Ammonium Ion	0.00004	0.0001	µg/m ³	V0
Potassium Ion	0.0001	0.0120	µg/m ³	V0
Magnesium Ion	0.00005	0.0048	µg/m ³	V0
Calcium Ion	0.0021	0.0305	µg/m ³	V0
Fluoride Ion	0.00001	0.0006	µg/m ³	V0
Chloride Ion	0.0014	0.0364	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2324	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-09-08 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-09-09 00:00

Set Index: 1
WBEA ID: 220904419
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.6	m ³	V6
Temperature		12.5	°C	
Pressure		735.2	mmHg	
Particulate Matter	0.042	2.585	µg/m ³	V0
Sodium Ion	0.0006	0.0047	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0099	µg/m ³	V0
Magnesium Ion	0.00005	0.0038	µg/m ³	V0
Calcium Ion	0.0021	0.0225	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0297	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1462	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-09-09 09:20**

Samp Use: **Field Procedure Blank**
Loc ID: **ATHV**
End Date: **2022-09-09 09:21**

Set Index: **1**
WBEA ID: **220904434**
Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Sodium Ion	0.0006	0.0012	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0205	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904423
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		715.4	mmHg	
Particulate Matter	0.042	11.292	µg/m ³	V0
Sodium Ion	0.0006	0.0106	µg/m ³	V0
Ammonium Ion	0.00004	0.1089	µg/m ³	V0
Potassium Ion	0.0001	0.0179	µg/m ³	V0
Magnesium Ion	0.00005	0.0434	µg/m ³	V0
Calcium Ion	0.0021	0.2757	µg/m ³	V0
Fluoride Ion	0.00001	0.0041	µg/m ³	V0
Chloride Ion	0.0014	0.0285	µg/m ³	V0
Nitrate Ion	0.0002	0.0746	µg/m ³	V0
Sulphate Ion	0.0001	0.3872	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904428
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		731.7	mmHg	
Particulate Matter	0.042	18.625	µg/m ³	V0
Sodium Ion	0.0006	0.0570	µg/m ³	V0
Ammonium Ion	0.00004	0.0704	µg/m ³	V0
Potassium Ion	0.0001	0.0198	µg/m ³	V0
Magnesium Ion	0.00005	0.0422	µg/m ³	V0
Calcium Ion	0.0021	0.3856	µg/m ³	V0
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.0363	µg/m ³	V0
Nitrate Ion	0.0002	0.0638	µg/m ³	V0
Sulphate Ion	0.0001	0.3747	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-09-14 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-09-15 00:00

Set Index: 1
WBEA ID: 220904436
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		734.5	mmHg	
Particulate Matter	0.042	28.708	µg/m ³	V0
Sodium Ion	0.0006	0.0739	µg/m ³	V0
Ammonium Ion	0.00004	0.1496	µg/m ³	V0
Potassium Ion	0.0001	0.0340	µg/m ³	V0
Magnesium Ion	0.00005	0.0429	µg/m ³	V0
Calcium Ion	0.0021	0.8960	µg/m ³	V0
Fluoride Ion	0.00001	0.0047	µg/m ³	V0
Chloride Ion	0.0014	0.0689	µg/m ³	V0
Nitrate Ion	0.0002	0.1273	µg/m ³	V0
Sulphate Ion	0.0001	0.6762	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-09-14 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-09-15 00:00**

Set Index: **1**
WBEA ID: **220904441**
Duration: **24.0 hr**

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.1	°C	
Pressure		738.2	mmHg	
Particulate Matter	0.042	17.792	µg/m ³	V0
Sodium Ion	0.0006	0.0285	µg/m ³	V0
Ammonium Ion	0.00004	0.0848	µg/m ³	V0
Potassium Ion	0.0001	0.0162	µg/m ³	V0
Magnesium Ion	0.00005	0.0556	µg/m ³	V0
Calcium Ion	0.0021	0.5930	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	0.0683	µg/m ³	V0
Nitrate Ion	0.0002	0.0888	µg/m ³	V0
Sulphate Ion	0.0001	0.4350	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904450
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.8	°C	
Pressure		727.0	mmHg	
Particulate Matter	0.042	12.750	µg/m ³	V0
Sodium Ion	0.0006	0.0159	µg/m ³	V0
Ammonium Ion	0.00004	0.0257	µg/m ³	V0
Potassium Ion	0.0001	0.0097	µg/m ³	V0
Magnesium Ion	0.00005	0.0436	µg/m ³	V0
Calcium Ion	0.0021	0.3980	µg/m ³	V0
Fluoride Ion	0.00001	0.0036	µg/m ³	V0
Chloride Ion	0.0014	0.0443	µg/m ³	V0
Nitrate Ion	0.0002	0.0404	µg/m ³	V0
Sulphate Ion	0.0001	0.2311	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904458
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.0	°C	
Pressure		733.7	mmHg	
Particulate Matter	0.042	30.625	µg/m ³	V0
Sodium Ion	0.0006	0.0730	µg/m ³	V0
Ammonium Ion	0.00004	0.1110	µg/m ³	V0
Potassium Ion	0.0001	0.0150	µg/m ³	V0
Magnesium Ion	0.00005	0.0370	µg/m ³	V0
Calcium Ion	0.0021	1.6000	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	0.0600	µg/m ³	V0
Nitrate Ion	0.0002	0.1300	µg/m ³	V0
Sulphate Ion	0.0001	0.5680	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-09-14 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-09-15 00:00

Set Index: 1
WBEA ID: 220904476
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.7	°C	
Pressure		732.1	mmHg	
Particulate Matter	0.042	57.708	µg/m ³	V0
Sodium Ion	0.0006	0.1360	µg/m ³	V0
Ammonium Ion	0.00004	0.0967	µg/m ³	V0
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.0576	µg/m ³	V0
Calcium Ion	0.0021	2.0550	µg/m ³	V0
Fluoride Ion	0.00001	0.0063	µg/m ³	V0
Chloride Ion	0.0014	0.1110	µg/m ³	V0
Nitrate Ion	0.0002	0.1942	µg/m ³	V0
Sulphate Ion	0.0001	0.7256	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904478
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.6	°C	
Pressure		710.0	mmHg	
Particulate Matter	0.042	82.125	µg/m ³	V0
Sodium Ion	0.0006	0.0800	µg/m ³	V0
Ammonium Ion	0.00004	0.0220	µg/m ³	V0
Potassium Ion	0.0001	0.0520	µg/m ³	V0
Magnesium Ion	0.00005	0.0510	µg/m ³	V0
Calcium Ion	0.0021	2.8500	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.2240	µg/m ³	V0
Nitrate Ion	0.0002	0.0920	µg/m ³	V0
Sulphate Ion	0.0001	0.7210	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904493
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		717.1	mmHg	
Particulate Matter	0.042	14.792	µg/m ³	V0
Sodium Ion	0.0006	0.0143	µg/m ³	V0
Ammonium Ion	0.00004	0.0977	µg/m ³	V0
Potassium Ion	0.0001	0.0193	µg/m ³	V0
Magnesium Ion	0.00005	0.0557	µg/m ³	V0
Calcium Ion	0.0021	0.3117	µg/m ³	V0
Fluoride Ion	0.00001	0.0048	µg/m ³	V0
Chloride Ion	0.0014	0.0292	µg/m ³	V0
Nitrate Ion	0.0002	0.0750	µg/m ³	V0
Sulphate Ion	0.0001	0.3384	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-09-14 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-09-15 00:00

Set Index: 1
WBEA ID: 220904487
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		736.7	mmHg	
Particulate Matter	0.042	8.083	µg/m ³	V0
Sodium Ion	0.0006	0.0190	µg/m ³	V0
Ammonium Ion	0.00004	0.0460	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0100	µg/m ³	V0
Calcium Ion	0.0021	0.1490	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0860	µg/m ³	V0
Sulphate Ion	0.0001	0.3510	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904536
Start Date:	2022-09-16 16:25	End Date:	2022-09-16 16:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2030	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Bertha Ganter - Fort McKay
Start Date: 2022-09-20 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-09-21 00:00

Set Index: 1
WBEA ID: 220904513
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.1	°C	
Pressure		738.8	mmHg	
Particulate Matter	0.042	3.792	µg/m ³	V0
Sodium Ion	0.0006	0.0236	µg/m ³	V0
Ammonium Ion	0.00004	0.0004	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0075	µg/m ³	V0
Calcium Ion	0.0021	0.0802	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0590	µg/m ³	V0
Nitrate Ion	0.0002	0.0269	µg/m ³	V0
Sulphate Ion	0.0001	0.2003	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904518
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.9	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Sodium Ion	0.0006	0.0278	µg/m ³	V0
Ammonium Ion	0.00004	0.0012	µg/m ³	V0
Potassium Ion	0.0001	0.0137	µg/m ³	V0
Magnesium Ion	0.00005	0.0045	µg/m ³	V0
Calcium Ion	0.0021	0.0128	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0379	µg/m ³	V0
Nitrate Ion	0.0002	0.0267	µg/m ³	V0
Sulphate Ion	0.0001	0.2052	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-09-20 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-09-21 00:00

Set Index: 1
WBEA ID: 220904522
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.1	°C	
Pressure		739.6	mmHg	
Particulate Matter	0.042	3.917	µg/m ³	V0
Sodium Ion	0.0006	0.0242	µg/m ³	V0
Ammonium Ion	0.00004	0.0004	µg/m ³	V0
Potassium Ion	0.0001	0.0156	µg/m ³	V0
Magnesium Ion	0.00005	0.0052	µg/m ³	V0
Calcium Ion	0.0021	0.0202	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0408	µg/m ³	V0
Nitrate Ion	0.0002	0.0250	µg/m ³	V0
Sulphate Ion	0.0001	0.2000	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904526
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.7	°C	
Pressure		737.2	mmHg	
Particulate Matter	0.042	16.792	µg/m ³	V0
Sodium Ion	0.0006	0.0505	µg/m ³	V0
Ammonium Ion	0.00004	0.0052	µg/m ³	V0
Potassium Ion	0.0001	0.0112	µg/m ³	V0
Magnesium Ion	0.00005	0.0197	µg/m ³	V0
Calcium Ion	0.0021	0.3386	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0483	µg/m ³	V0
Nitrate Ion	0.0002	0.0580	µg/m ³	V0
Sulphate Ion	0.0001	0.2809	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-09-20 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-09-21 00:00

Set Index: 1
WBEA ID: 220904545
Duration: 24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.1	°C	
Pressure		731.9	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Sodium Ion	0.0006	0.0255	µg/m ³	V0
Ammonium Ion	0.00004	0.0016	µg/m ³	V0
Potassium Ion	0.0001	0.0115	µg/m ³	V0
Magnesium Ion	0.00005	0.0069	µg/m ³	V0
Calcium Ion	0.0021	0.0278	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0591	µg/m ³	V0
Nitrate Ion	0.0002	0.0228	µg/m ³	V0
Sulphate Ion	0.0001	0.2156	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904556
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.0	°C	
Pressure		714.4	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Sodium Ion	0.0006	0.0149	µg/m ³	V0
Ammonium Ion	0.00004	0.0869	µg/m ³	V0
Potassium Ion	0.0001	0.0201	µg/m ³	V0
Magnesium Ion	0.00005	0.0035	µg/m ³	V0
Calcium Ion	0.0021	0.0149	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0459	µg/m ³	V0
Nitrate Ion	0.0002	0.0251	µg/m ³	V0
Sulphate Ion	0.0001	0.4498	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904562
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.9	°C	
Pressure		743.2	mmHg	
Particulate Matter	0.042	10.333	µg/m ³	V0
Sodium Ion	0.0006	0.0330	µg/m ³	V0
Ammonium Ion	0.00004	0.0129	µg/m ³	V0
Potassium Ion	0.0001	0.0172	µg/m ³	V0
Magnesium Ion	0.00005	0.0198	µg/m ³	V0
Calcium Ion	0.0021	0.4073	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0944	µg/m ³	V0
Nitrate Ion	0.0002	0.0400	µg/m ³	V0
Sulphate Ion	0.0001	0.2742	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904571
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.1	°C	
Pressure		721.6	mmHg	
Particulate Matter	0.042	4.417	µg/m ³	V0
Sodium Ion	0.0006	0.0172	µg/m ³	V0
Ammonium Ion	0.00004	0.1157	µg/m ³	V0
Potassium Ion	0.0001	0.0214	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0181	µg/m ³	V0
Fluoride Ion	0.00001	0.0006	µg/m ³	V0
Chloride Ion	0.0014	0.0528	µg/m ³	V0
Nitrate Ion	0.0002	0.0326	µg/m ³	V0
Sulphate Ion	0.0001	0.5006	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904575
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.3	°C	
Pressure		719.9	mmHg	
Particulate Matter	0.042	4.125	µg/m ³	V0
Sodium Ion	0.0006	0.0212	µg/m ³	V0
Ammonium Ion	0.00004	0.0268	µg/m ³	V0
Potassium Ion	0.0001	0.0205	µg/m ³	V0
Magnesium Ion	0.00005	0.0054	µg/m ³	V0
Calcium Ion	0.0021	0.0242	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0482	µg/m ³	V0
Nitrate Ion	0.0002	0.0272	µg/m ³	V0
Sulphate Ion	0.0001	0.3001	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904543
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.9	°C	
Pressure		743.4	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Sodium Ion	0.0006	0.0480	µg/m ³	V0
Ammonium Ion	0.00004	0.0040	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0090	µg/m ³	V0
Calcium Ion	0.0021	0.0070	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0240	µg/m ³	V0
Nitrate Ion	0.0002	0.0760	µg/m ³	V0
Sulphate Ion	0.0001	0.2930	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904676
Start Date:	2022-09-23 14:25	End Date:	2022-09-23 14:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Sodium Ion	0.0006	0.0011	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0014	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0047	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0233	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904584
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.3	°C	
Pressure		738.0	mmHg	
Particulate Matter	0.042	25.917	µg/m ³	V0
Sodium Ion	0.0006	0.0699	µg/m ³	V0
Ammonium Ion	0.00004	0.2765	µg/m ³	V0
Potassium Ion	0.0001	0.0165	µg/m ³	V0
Magnesium Ion	0.00005	0.0314	µg/m ³	V0
Calcium Ion	0.0021	2.1725	µg/m ³	V0
Fluoride Ion	0.00001	0.0014	µg/m ³	V0
Chloride Ion	0.0014	0.0735	µg/m ³	V0
Nitrate Ion	0.0002	0.1133	µg/m ³	V0
Sulphate Ion	0.0001	1.1344	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904603
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	18.125	µg/m ³	V0
Sodium Ion	0.0006	0.0658	µg/m ³	V0
Ammonium Ion	0.00004	0.5393	µg/m ³	V0
Potassium Ion	0.0001	0.0130	µg/m ³	V0
Magnesium Ion	0.00005	0.0213	µg/m ³	V0
Calcium Ion	0.0021	0.9209	µg/m ³	V0
Fluoride Ion	0.00001	0.0005	µg/m ³	V0
Chloride Ion	0.0014	0.0360	µg/m ³	V0
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	1.7601	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-09-26 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-09-27 00:00

Set Index: 1
WBEA ID: 220904613
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.8	°C	
Pressure		738.8	mmHg	
Particulate Matter	0.042	18.208	µg/m ³	V0
Sodium Ion	0.0006	0.0453	µg/m ³	V0
Ammonium Ion	0.00004	0.2564	µg/m ³	V0
Potassium Ion	0.0001	0.0164	µg/m ³	V0
Magnesium Ion	0.00005	0.0229	µg/m ³	V0
Calcium Ion	0.0021	1.1409	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0499	µg/m ³	V0
Nitrate Ion	0.0002	0.0968	µg/m ³	V0
Sulphate Ion	0.0001	0.9766	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904617
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		736.5	mmHg	
Particulate Matter	0.042	92.542	µg/m ³	V0
Sodium Ion	0.0006	0.1301	µg/m ³	V0
Ammonium Ion	0.00004	0.1572	µg/m ³	V0
Potassium Ion	0.0001	0.0178	µg/m ³	V0
Magnesium Ion	0.00005	0.0990	µg/m ³	V0
Calcium Ion	0.0021	2.8511	µg/m ³	V0
Fluoride Ion	0.00001	0.0022	µg/m ³	V0
Chloride Ion	0.0014	0.1717	µg/m ³	V0
Nitrate Ion	0.0002	0.2041	µg/m ³	V0
Sulphate Ion	0.0001	1.5772	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-09-26 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-09-27 00:00**

Set Index: **1**
WBEA ID: **220904653**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		742.3	mmHg	
Particulate Matter	0.042	11.667	µg/m ³	V0
Sodium Ion	0.0006	0.0261	µg/m ³	V0
Ammonium Ion	0.00004	0.0748	µg/m ³	V0
Potassium Ion	0.0001	0.0107	µg/m ³	V0
Magnesium Ion	0.00005	0.0322	µg/m ³	V0
Calcium Ion	0.0021	0.3452	µg/m ³	V0
Fluoride Ion	0.00001	0.0009	µg/m ³	V0
Chloride Ion	0.0014	0.0536	µg/m ³	V0
Nitrate Ion	0.0002	0.0597	µg/m ³	V0
Sulphate Ion	0.0001	0.3886	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904657
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.2	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	6.542	µg/m ³	V0
Sodium Ion	0.0006	0.0164	µg/m ³	V0
Ammonium Ion	0.00004	0.1084	µg/m ³	V0
Potassium Ion	0.0001	0.0087	µg/m ³	V0
Magnesium Ion	0.00005	0.0187	µg/m ³	V0
Calcium Ion	0.0021	0.1750	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0529	µg/m ³	V0
Nitrate Ion	0.0002	0.0331	µg/m ³	V0
Sulphate Ion	0.0001	0.4652	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Conklin
Start Date: 2022-09-26 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-09-27 00:00

Set Index: 1
WBEA ID: 220904666
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.0	°C	
Pressure		714.0	mmHg	
Particulate Matter	0.042	43.875	µg/m ³	V0
Sodium Ion	0.0006	0.0704	µg/m ³	V0
Ammonium Ion	0.00004	0.0047	µg/m ³	V0
Potassium Ion	0.0001	0.0133	µg/m ³	V0
Magnesium Ion	0.00005	0.0353	µg/m ³	V0
Calcium Ion	0.0021	2.3603	µg/m ³	V0
Fluoride Ion	0.00001	0.0032	µg/m ³	V0
Chloride Ion	0.0014	0.1662	µg/m ³	V0
Nitrate Ion	0.0002	0.0213	µg/m ³	V0
Sulphate Ion	0.0001	0.4117	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904670
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.7	°C	
Pressure		721.2	mmHg	
Particulate Matter	0.042	5.583	µg/m ³	V0
Sodium Ion	0.0006	0.0065	µg/m ³	V0
Ammonium Ion	0.00004	0.0299	µg/m ³	V0
Potassium Ion	0.0001	0.0117	µg/m ³	V0
Magnesium Ion	0.00005	0.0126	µg/m ³	V0
Calcium Ion	0.0021	0.0745	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0336	µg/m ³	V0
Nitrate Ion	0.0002	0.0262	µg/m ³	V0
Sulphate Ion	0.0001	0.2866	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904680
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.8	°C	
Pressure		719.5	mmHg	
Particulate Matter	0.042	5.708	µg/m ³	V0
Sodium Ion	0.0006	0.0135	µg/m ³	V0
Ammonium Ion	0.00004	0.0574	µg/m ³	V0
Potassium Ion	0.0001	0.0080	µg/m ³	V0
Magnesium Ion	0.00005	0.0131	µg/m ³	V0
Calcium Ion	0.0021	0.1694	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0200	µg/m ³	V0
Nitrate Ion	0.0002	0.0323	µg/m ³	V0
Sulphate Ion	0.0001	0.3184	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-09-26 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-09-27 00:01

Set Index: 1
WBEA ID: 220904607
Duration: 24.0 hr

Notes

Sample did not run due to power failure.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2020	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904699
Start Date:	2022-09-27 12:00	End Date:	2022-09-27 12:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	-8888	µg/m ³	V1
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0013	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904691
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.0	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	12.167	µg/m ³	V0
Sodium Ion	0.0006	0.0096	µg/m ³	V0
Ammonium Ion	0.00004	0.1843	µg/m ³	V0
Potassium Ion	0.0001	0.0323	µg/m ³	V0
Magnesium Ion	0.00005	0.0178	µg/m ³	V0
Calcium Ion	0.0021	0.1633	µg/m ³	V0
Fluoride Ion	0.00001	0.0035	µg/m ³	V0
Chloride Ion	0.0014	0.0074	µg/m ³	V0
Nitrate Ion	0.0002	0.0527	µg/m ³	V0
Sulphate Ion	0.0001	0.5938	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Conklin
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904703
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.6	°C	
Pressure		711.2	mmHg	
Particulate Matter	0.042	17.917	µg/m ³	V0
Sodium Ion	0.0006	0.0114	µg/m ³	V0
Ammonium Ion	0.00004	0.1954	µg/m ³	V0
Potassium Ion	0.0001	0.0591	µg/m ³	V0
Magnesium Ion	0.00005	0.0375	µg/m ³	V0
Calcium Ion	0.0021	0.8219	µg/m ³	V0
Fluoride Ion	0.00001	0.0069	µg/m ³	V0
Chloride Ion	0.0014	0.0141	µg/m ³	V0
Nitrate Ion	0.0002	0.4362	µg/m ³	V0
Sulphate Ion	0.0001	0.6696	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904708
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.2	°C	
Pressure		718.2	mmHg	
Particulate Matter	0.042	14.083	µg/m ³	V0
Sodium Ion	0.0006	0.0107	µg/m ³	V0
Ammonium Ion	0.00004	0.2154	µg/m ³	V0
Potassium Ion	0.0001	0.0376	µg/m ³	V0
Magnesium Ion	0.00005	0.0504	µg/m ³	V0
Calcium Ion	0.0021	0.4108	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.3905	µg/m ³	V0
Sulphate Ion	0.0001	0.6821	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904714
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.1	°C	
Pressure		732.7	mmHg	
Particulate Matter	0.042	39.292	µg/m ³	V0
Sodium Ion	0.0006	0.0397	µg/m ³	V0
Ammonium Ion	0.00004	0.2619	µg/m ³	V0
Potassium Ion	0.0001	0.0293	µg/m ³	V0
Magnesium Ion	0.00005	0.0433	µg/m ³	V0
Calcium Ion	0.0021	2.1102	µg/m ³	V0
Fluoride Ion	0.00001	0.0049	µg/m ³	V0
Chloride Ion	0.0014	0.0776	µg/m ³	V0
Nitrate Ion	0.0002	0.1126	µg/m ³	V0
Sulphate Ion	0.0001	1.1366	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904722
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.5	°C	
Pressure		727.7	mmHg	
Particulate Matter	0.042	10.125	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.1860	µg/m ³	V0
Potassium Ion	0.0001	0.0300	µg/m ³	V0
Magnesium Ion	0.00005	0.0390	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2300	µg/m ³	V0
Sulphate Ion	0.0001	0.5940	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904727
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.7	°C	
Pressure		732.2	mmHg	
Particulate Matter	0.042	13.958	µg/m ³	V0
Sodium Ion	0.0006	0.0338	µg/m ³	V0
Ammonium Ion	0.00004	0.3666	µg/m ³	V0
Potassium Ion	0.0001	0.0284	µg/m ³	V0
Magnesium Ion	0.00005	0.0276	µg/m ³	V0
Calcium Ion	0.0021	0.1678	µg/m ³	V0
Fluoride Ion	0.00001	0.0035	µg/m ³	V0
Chloride Ion	0.0014	0.0135	µg/m ³	V0
Nitrate Ion	0.0002	0.1376	µg/m ³	V0
Sulphate Ion	0.0001	1.1024	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904733
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.9	°C	
Pressure		716.0	mmHg	
Particulate Matter	0.042	13.833	µg/m ³	V0
Sodium Ion	0.0006	0.0210	µg/m ³	V0
Ammonium Ion	0.00004	0.1710	µg/m ³	V0
Potassium Ion	0.0001	0.0360	µg/m ³	V0
Magnesium Ion	0.00005	0.0400	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0100	µg/m ³	V0
Nitrate Ion	0.0002	0.2410	µg/m ³	V0
Sulphate Ion	0.0001	0.5830	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904739
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	9.417	µg/m ³	V0
Sodium Ion	0.0006	0.0130	µg/m ³	V0
Ammonium Ion	0.00004	0.3656	µg/m ³	V0
Potassium Ion	0.0001	0.0344	µg/m ³	V0
Magnesium Ion	0.00005	0.0011	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0918	µg/m ³	V0
Sulphate Ion	0.0001	1.1175	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-10-02 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-10-03 00:00**

Set Index: **1**
WBEA ID: **220904742**
Duration: **24.0 hr**

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.9	°C	
Pressure		738.7	mmHg	
Particulate Matter	0.042	12.750	µg/m ³	V0
Sodium Ion	0.0006	0.0150	µg/m ³	V0
Ammonium Ion	0.00004	0.1910	µg/m ³	V0
Potassium Ion	0.0001	0.0400	µg/m ³	V0
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0080	µg/m ³	V0
Nitrate Ion	0.0002	0.2330	µg/m ³	V0
Sulphate Ion	0.0001	0.6720	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904752
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.9	°C	
Pressure		734.2	mmHg	
Particulate Matter	0.042	11.792	µg/m ³	V0
Sodium Ion	0.0006	0.0230	µg/m ³	V0
Ammonium Ion	0.00004	0.2820	µg/m ³	V0
Potassium Ion	0.0001	0.0380	µg/m ³	V0
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0150	µg/m ³	V0
Nitrate Ion	0.0002	0.1670	µg/m ³	V0
Sulphate Ion	0.0001	0.9050	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004812
Start Date:	2022-10-04 14:35	End Date:	2022-10-04 14:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0007	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004779
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.0	°C	
Pressure		719.6	mmHg	
Particulate Matter	0.042	19.417	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.2600	µg/m ³	V0
Potassium Ion	0.0001	0.0580	µg/m ³	V0
Magnesium Ion	0.00005	0.0310	µg/m ³	V0
Calcium Ion	0.0021	0.2420	µg/m ³	V0
Fluoride Ion	0.00001	0.0110	µg/m ³	V0
Chloride Ion	0.0014	0.0180	µg/m ³	V0
Nitrate Ion	0.0002	0.0720	µg/m ³	V0
Sulphate Ion	0.0001	0.5090	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221004786
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.1	°C	
Pressure		742.5	mmHg	
Particulate Matter	0.042	27.500	µg/m ³	V0
Sodium Ion	0.0006	0.0320	µg/m ³	V0
Ammonium Ion	0.00004	0.2580	µg/m ³	V0
Potassium Ion	0.0001	0.0590	µg/m ³	V0
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	0.6530	µg/m ³	V0
Fluoride Ion	0.00001	0.0140	µg/m ³	V0
Chloride Ion	0.0014	0.0210	µg/m ³	V0
Nitrate Ion	0.0002	0.1930	µg/m ³	V0
Sulphate Ion	0.0001	0.7140	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004794
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.6	°C	
Pressure		731.4	mmHg	
Particulate Matter	0.042	21.750	µg/m ³	V0
Sodium Ion	0.0006	0.0138	µg/m ³	V0
Ammonium Ion	0.00004	0.3307	µg/m ³	V0
Potassium Ion	0.0001	0.0448	µg/m ³	V0
Magnesium Ion	0.00005	0.0316	µg/m ³	V0
Calcium Ion	0.0021	0.2959	µg/m ³	V0
Fluoride Ion	0.00001	0.0117	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0891	µg/m ³	V0
Sulphate Ion	0.0001	0.7146	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Conklin
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004806
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.2	°C	
Pressure		714.2	mmHg	
Particulate Matter	0.042	76.083	µg/m ³	V0
Sodium Ion	0.0006	0.1046	µg/m ³	V0
Ammonium Ion	0.00004	0.1165	µg/m ³	V0
Potassium Ion	0.0001	0.0405	µg/m ³	V0
Magnesium Ion	0.00005	0.0492	µg/m ³	V0
Calcium Ion	0.0021	2.8992	µg/m ³	V0
Fluoride Ion	0.00001	0.0159	µg/m ³	V0
Chloride Ion	0.0014	0.1893	µg/m ³	V0
Nitrate Ion	0.0002	0.0651	µg/m ³	V0
Sulphate Ion	0.0001	0.7029	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004818
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.8	°C	
Pressure		721.2	mmHg	
Particulate Matter	0.042	13.583	µg/m ³	V0
Sodium Ion	0.0006	0.0053	µg/m ³	V0
Ammonium Ion	0.00004	0.2103	µg/m ³	V0
Potassium Ion	0.0001	0.0242	µg/m ³	V0
Magnesium Ion	0.00005	0.0239	µg/m ³	V0
Calcium Ion	0.0021	0.1959	µg/m ³	V0
Fluoride Ion	0.00001	0.0056	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0745	µg/m ³	V0
Sulphate Ion	0.0001	0.5264	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221004825
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.9	°C	
Pressure		741.6	mmHg	
Particulate Matter	0.042	11.292	µg/m ³	V0
Sodium Ion	0.0006	0.0034	µg/m ³	V0
Ammonium Ion	0.00004	0.0861	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0032	µg/m ³	V0
Calcium Ion	0.0021	0.0410	µg/m ³	V0
Fluoride Ion	0.00001	0.0091	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.2159	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221004829
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

High PM10 levels throughout the day

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.7	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	117.375	µg/m ³	V4
Sodium Ion	0.0006	0.1329	µg/m ³	V0
Ammonium Ion	0.00004	0.9036	µg/m ³	V0
Potassium Ion	0.0001	0.0517	µg/m ³	V0
Magnesium Ion	0.00005	0.1089	µg/m ³	V0
Calcium Ion	0.0021	3.6035	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0445	µg/m ³	V0
Nitrate Ion	0.0002	0.3854	µg/m ³	V0
Sulphate Ion	0.0001	4.6455	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004845
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.2	°C	
Pressure		735.9	mmHg	
Particulate Matter	0.042	45.708	µg/m ³	V0
Sodium Ion	0.0006	0.0758	µg/m ³	V0
Ammonium Ion	0.00004	0.8635	µg/m ³	V0
Potassium Ion	0.0001	0.0390	µg/m ³	V0
Magnesium Ion	0.00005	0.0750	µg/m ³	V0
Calcium Ion	0.0021	1.4103	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2211	µg/m ³	V0
Sulphate Ion	0.0001	2.5709	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004849
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.0	°C	
Pressure		738.9	mmHg	
Particulate Matter	0.042	41.583	µg/m ³	V0
Sodium Ion	0.0006	0.0600	µg/m ³	V0
Ammonium Ion	0.00004	1.1465	µg/m ³	V0
Potassium Ion	0.0001	0.0439	µg/m ³	V0
Magnesium Ion	0.00005	0.0015	µg/m ³	V0
Calcium Ion	0.0021	1.6380	µg/m ³	V0
Fluoride Ion	0.00001	0.0119	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1939	µg/m ³	V0
Sulphate Ion	0.0001	3.7785	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004865
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.5	°C	
Pressure		738.1	mmHg	
Particulate Matter	0.042	59.625	µg/m ³	V0
Sodium Ion	0.0006	0.1120	µg/m ³	V0
Ammonium Ion	0.00004	1.1832	µg/m ³	V0
Potassium Ion	0.0001	0.0598	µg/m ³	V0
Magnesium Ion	0.00005	0.0007	µg/m ³	V0
Calcium Ion	0.0021	2.3971	µg/m ³	V0
Fluoride Ion	0.00001	0.0163	µg/m ³	V0
Chloride Ion	0.0014	0.0261	µg/m ³	V0
Nitrate Ion	0.0002	0.3781	µg/m ³	V0
Sulphate Ion	0.0001	4.6744	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004943
Start Date:	2022-10-13 13:05	End Date:	2022-10-13 13:06	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0012	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0045	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004873
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.1	°C	
Pressure		708.4	mmHg	
Particulate Matter	0.042	13.792	µg/m ³	V0
Sodium Ion	0.0006	0.0103	µg/m ³	V0
Ammonium Ion	0.00004	0.1701	µg/m ³	V0
Potassium Ion	0.0001	0.0273	µg/m ³	V0
Magnesium Ion	0.00005	0.0160	µg/m ³	V0
Calcium Ion	0.0021	0.5870	µg/m ³	V0
Fluoride Ion	0.00001	0.0076	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0412	µg/m ³	V0
Sulphate Ion	0.0001	0.5547	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004879
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.4	°C	
Pressure		715.7	mmHg	
Particulate Matter	0.042	9.875	µg/m ³	V0
Sodium Ion	0.0006	0.0080	µg/m ³	V0
Ammonium Ion	0.00004	0.0950	µg/m ³	V0
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0210	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0410	µg/m ³	V0
Sulphate Ion	0.0001	0.3350	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004886
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.4	°C	
Pressure		714.3	mmHg	
Particulate Matter	0.042	8.083	µg/m ³	V0
Sodium Ion	0.0006	0.0110	µg/m ³	V0
Ammonium Ion	0.00004	0.0850	µg/m ³	V0
Potassium Ion	0.0001	0.0130	µg/m ³	V0
Magnesium Ion	0.00005	0.0120	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0790	µg/m ³	V0
Sulphate Ion	0.0001	0.3180	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221004895
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

Power outage resulted in short sampling duration and low sample volume

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.8	m ³	V6
Temperature		3.9	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	4.958	µg/m ³	V0
Sodium Ion	0.0006	0.0061	µg/m ³	V0
Ammonium Ion	0.00004	0.0201	µg/m ³	V0
Potassium Ion	0.0001	0.0069	µg/m ³	V0
Magnesium Ion	0.00005	0.0051	µg/m ³	V0
Calcium Ion	0.0021	0.0823	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0446	µg/m ³	V0
Sulphate Ion	0.0001	0.1715	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221004897
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.1	°C	
Pressure		732.5	mmHg	
Particulate Matter	0.042	26.833	µg/m ³	V0
Sodium Ion	0.0006	0.0562	µg/m ³	V0
Ammonium Ion	0.00004	0.1908	µg/m ³	V0
Potassium Ion	0.0001	0.0159	µg/m ³	V0
Magnesium Ion	0.00005	0.0231	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0041	µg/m ³	V0
Chloride Ion	0.0014	0.0184	µg/m ³	V0
Nitrate Ion	0.0002	0.0988	µg/m ³	V0
Sulphate Ion	0.0001	0.8108	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-10-14 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-10-15 00:00**

Set Index: **1**
WBEA ID: **221004904**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.5	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	10.292	µg/m ³	V0
Sodium Ion	0.0006	0.0138	µg/m ³	V0
Ammonium Ion	0.00004	0.0468	µg/m ³	V0
Potassium Ion	0.0001	0.0206	µg/m ³	V0
Magnesium Ion	0.00005	0.0129	µg/m ³	V0
Calcium Ion	0.0021	0.4028	µg/m ³	V0
Fluoride Ion	0.00001	0.0029	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0776	µg/m ³	V0
Sulphate Ion	0.0001	0.2781	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004916
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.2	°C	
Pressure		726.8	mmHg	
Particulate Matter	0.042	9.125	µg/m ³	V0
Sodium Ion	0.0006	0.0105	µg/m ³	V0
Ammonium Ion	0.00004	0.1130	µg/m ³	V0
Potassium Ion	0.0001	0.0105	µg/m ³	V0
Magnesium Ion	0.00005	0.0159	µg/m ³	V0
Calcium Ion	0.0021	0.2398	µg/m ³	V0
Fluoride Ion	0.00001	0.0042	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0747	µg/m ³	V0
Sulphate Ion	0.0001	0.4141	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-10-14 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-10-15 00:00

Set Index: 1
WBEA ID: 221004922
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.4	°C	
Pressure		734.8	mmHg	
Particulate Matter	0.042	14.542	µg/m ³	V0
Sodium Ion	0.0006	0.0297	µg/m ³	V0
Ammonium Ion	0.00004	0.0991	µg/m ³	V0
Potassium Ion	0.0001	0.0175	µg/m ³	V0
Magnesium Ion	0.00005	0.0148	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0038	µg/m ³	V0
Chloride Ion	0.0014	0.0150	µg/m ³	V0
Nitrate Ion	0.0002	0.0444	µg/m ³	V0
Sulphate Ion	0.0001	0.4511	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-10-14 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-10-15 00:00

Set Index: 1
WBEA ID: 221004925
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		731.7	mmHg	
Particulate Matter	0.042	22.167	µg/m ³	V0
Sodium Ion	0.0006	0.0620	µg/m ³	V0
Ammonium Ion	0.00004	0.1560	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0280	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0050	µg/m ³	V0
Chloride Ion	0.0014	0.0110	µg/m ³	V0
Nitrate Ion	0.0002	0.0600	µg/m ³	V0
Sulphate Ion	0.0001	0.6010	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004947
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.6	°C	
Pressure		734.0	mmHg	
Particulate Matter	0.042	24.750	µg/m ³	V0
Sodium Ion	0.0006	0.0570	µg/m ³	V0
Ammonium Ion	0.00004	0.1708	µg/m ³	V0
Potassium Ion	0.0001	0.0241	µg/m ³	V0
Magnesium Ion	0.00005	0.0191	µg/m ³	V0
Calcium Ion	0.0021	1.1000	µg/m ³	V0
Fluoride Ion	0.00001	0.0058	µg/m ³	V0
Chloride Ion	0.0014	0.0121	µg/m ³	V0
Nitrate Ion	0.0002	0.0665	µg/m ³	V0
Sulphate Ion	0.0001	0.7061	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Patricia McInnes**
Start Date: **2022-10-17 10:00**

Samp Use: **Field Procedure Blank**
Loc ID: **PATM**
End Date: **2022-10-17 10:01**

Set Index: **1**
WBEA ID: **221004956**
Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Sodium Ion	0.0006	0.0017	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0014	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	0.0063	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.0247	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004958
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		718.4	mmHg	
Particulate Matter	0.042	8.917	µg/m ³	V0
Sodium Ion	0.0006	0.0228	µg/m ³	V0
Ammonium Ion	0.00004	0.0034	µg/m ³	V0
Potassium Ion	0.0001	0.0219	µg/m ³	V0
Magnesium Ion	0.00005	0.0149	µg/m ³	V0
Calcium Ion	0.0021	0.2523	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	0.0278	µg/m ³	V0
Nitrate Ion	0.0002	0.0559	µg/m ³	V0
Sulphate Ion	0.0001	0.1656	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221004966
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		725.7	mmHg	
Particulate Matter	0.042	13.208	µg/m ³	V0
Sodium Ion	0.0006	0.0278	µg/m ³	V0
Ammonium Ion	0.00004	0.0042	µg/m ³	V0
Potassium Ion	0.0001	0.0195	µg/m ³	V0
Magnesium Ion	0.00005	0.0153	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0162	µg/m ³	V0
Nitrate Ion	0.0002	0.0584	µg/m ³	V0
Sulphate Ion	0.0001	0.1803	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221004969
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		722.6	mmHg	
Particulate Matter	0.042	6.917	µg/m ³	V0
Sodium Ion	0.0006	0.0188	µg/m ³	V0
Ammonium Ion	0.00004	0.0044	µg/m ³	V0
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0089	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	0.0012	µg/m ³	V0
Chloride Ion	0.0014	0.0102	µg/m ³	V0
Nitrate Ion	0.0002	0.0412	µg/m ³	V0
Sulphate Ion	0.0001	0.1773	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004986
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.0	°C	
Pressure		725.0	mmHg	
Particulate Matter	0.042	11.917	µg/m ³	V0
Sodium Ion	0.0006	0.0192	µg/m ³	V0
Ammonium Ion	0.00004	0.0052	µg/m ³	V0
Potassium Ion	0.0001	0.0175	µg/m ³	V0
Magnesium Ion	0.00005	0.0101	µg/m ³	V0
Calcium Ion	0.0021	0.2117	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0144	µg/m ³	V0
Nitrate Ion	0.0002	0.0458	µg/m ³	V0
Sulphate Ion	0.0001	0.1568	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004999
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.6	°C	
Pressure		702.3	mmHg	
Particulate Matter	0.042	6.208	µg/m ³	V0
Sodium Ion	0.0006	0.0416	µg/m ³	V0
Ammonium Ion	0.00004	0.0055	µg/m ³	V0
Potassium Ion	0.0001	0.0219	µg/m ³	V0
Magnesium Ion	0.00005	0.0146	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0556	µg/m ³	V0
Nitrate Ion	0.0002	0.0813	µg/m ³	V0
Sulphate Ion	0.0001	0.1701	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005005
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		708.5	mmHg	
Particulate Matter	0.042	5.708	µg/m ³	V0
Sodium Ion	0.0006	0.0306	µg/m ³	V0
Ammonium Ion	0.00004	0.0037	µg/m ³	V0
Potassium Ion	0.0001	0.0182	µg/m ³	V0
Magnesium Ion	0.00005	0.0087	µg/m ³	V0
Calcium Ion	0.0021	0.0753	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0338	µg/m ³	V0
Nitrate Ion	0.0002	0.0577	µg/m ³	V0
Sulphate Ion	0.0001	0.1761	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005011
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.7	°C	
Pressure		706.8	mmHg	
Particulate Matter	0.042	7.958	µg/m ³	V0
Sodium Ion	0.0006	0.0224	µg/m ³	V0
Ammonium Ion	0.00004	0.0047	µg/m ³	V0
Potassium Ion	0.0001	0.0239	µg/m ³	V0
Magnesium Ion	0.00005	0.0172	µg/m ³	V0
Calcium Ion	0.0021	0.1628	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0203	µg/m ³	V0
Nitrate Ion	0.0002	0.0594	µg/m ³	V0
Sulphate Ion	0.0001	0.1656	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221005020
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.7	°C	
Pressure		727.1	mmHg	
Particulate Matter	0.042	2.708	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	0.0030	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0300	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	0.1020	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221005027
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.1	°C	
Pressure		723.8	mmHg	
Particulate Matter	0.042	34.292	µg/m ³	V0
Sodium Ion	0.0006	0.2192	µg/m ³	V0
Ammonium Ion	0.00004	0.0078	µg/m ³	V0
Potassium Ion	0.0001	0.0281	µg/m ³	V0
Magnesium Ion	0.00005	0.0303	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0418	µg/m ³	V0
Nitrate Ion	0.0002	0.0668	µg/m ³	V0
Sulphate Ion	0.0001	0.5529	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221005032
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		729.2	mmHg	
Particulate Matter	0.042	16.750	µg/m ³	V0
Sodium Ion	0.0006	0.0333	µg/m ³	V0
Ammonium Ion	0.00004	0.0002	µg/m ³	V0
Potassium Ion	0.0001	0.0343	µg/m ³	V0
Magnesium Ion	0.00005	0.0261	µg/m ³	V0
Calcium Ion	0.0021	0.3867	µg/m ³	V0
Fluoride Ion	0.00001	0.0067	µg/m ³	V0
Chloride Ion	0.0014	0.0532	µg/m ³	V0
Nitrate Ion	0.0002	0.0815	µg/m ³	V0
Sulphate Ion	0.0001	0.1834	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221005198
Start Date:	2022-10-24 14:50	End Date:	2022-10-24 14:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0013	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0022	µg/m ³	V0
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	-8888	µg/m ³	V1
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-10-27 00:00

Set Index: 1
WBEA ID: 221005077
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.8	°C	
Pressure		725.4	mmHg	
Particulate Matter	0.042	5.208	µg/m ³	V0
Sodium Ion	0.0006	0.0115	µg/m ³	V0
Ammonium Ion	0.00004	0.2244	µg/m ³	V0
Potassium Ion	0.0001	0.0162	µg/m ³	V0
Magnesium Ion	0.00005	0.0055	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0547	µg/m ³	V0
Sulphate Ion	0.0001	0.7638	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005126
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.3	°C	
Pressure		724.7	mmHg	
Particulate Matter	0.042	6.167	µg/m ³	V0
Sodium Ion	0.0006	0.0110	µg/m ³	V0
Ammonium Ion	0.00004	0.2659	µg/m ³	V0
Potassium Ion	0.0001	0.0164	µg/m ³	V0
Magnesium Ion	0.00005	0.0057	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0524	µg/m ³	V0
Sulphate Ion	0.0001	0.8561	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-10-27 00:00

Set Index: 1
WBEA ID: 221005188
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.4	°C	
Pressure		727.4	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Sodium Ion	0.0006	0.0037	µg/m ³	V0
Ammonium Ion	0.00004	0.2414	µg/m ³	V0
Potassium Ion	0.0001	0.0257	µg/m ³	V0
Magnesium Ion	0.00005	0.0013	µg/m ³	V0
Calcium Ion	0.0021	0.0195	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0343	µg/m ³	V0
Sulphate Ion	0.0001	0.8284	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221005194
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		718.0	mmHg	
Particulate Matter	0.042	4.292	µg/m ³	V0
Sodium Ion	0.0006	0.0084	µg/m ³	V0
Ammonium Ion	0.00004	0.0900	µg/m ³	V0
Potassium Ion	0.0001	0.0165	µg/m ³	V0
Magnesium Ion	0.00005	0.0092	µg/m ³	V0
Calcium Ion	0.0021	0.0963	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0618	µg/m ³	V0
Sulphate Ion	0.0001	0.3787	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-10-26 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-10-27 00:00**

Set Index: **1**
WBEA ID: **221005202**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.4	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	8.208	µg/m ³	V0
Sodium Ion	0.0006	0.0175	µg/m ³	V0
Ammonium Ion	0.00004	0.0784	µg/m ³	V0
Potassium Ion	0.0001	0.0213	µg/m ³	V0
Magnesium Ion	0.00005	0.0136	µg/m ³	V0
Calcium Ion	0.0021	0.2702	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0214	µg/m ³	V0
Nitrate Ion	0.0002	0.0781	µg/m ³	V0
Sulphate Ion	0.0001	0.3978	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005214
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.0	°C	
Pressure		701.3	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Sodium Ion	0.0006	0.0029	µg/m ³	V0
Ammonium Ion	0.00004	0.2119	µg/m ³	V0
Potassium Ion	0.0001	0.0289	µg/m ³	V0
Magnesium Ion	0.00005	0.0026	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0796	µg/m ³	V0
Sulphate Ion	0.0001	0.6732	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005223
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.5	°C	
Pressure		708.2	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Sodium Ion	0.0006	0.0040	µg/m ³	V0
Ammonium Ion	0.00004	0.2617	µg/m ³	V0
Potassium Ion	0.0001	0.0095	µg/m ³	V0
Magnesium Ion	0.00005	0.0058	µg/m ³	V0
Calcium Ion	0.0021	0.0401	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0736	µg/m ³	V0
Sulphate Ion	0.0001	0.7845	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221005227
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.7	°C	
Pressure		722.9	mmHg	
Particulate Matter	0.042	4.833	µg/m ³	V0
Sodium Ion	0.0006	0.0087	µg/m ³	V0
Ammonium Ion	0.00004	0.2572	µg/m ³	V0
Potassium Ion	0.0001	0.0162	µg/m ³	V0
Magnesium Ion	0.00005	0.0047	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0494	µg/m ³	V0
Sulphate Ion	0.0001	0.8722	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005233
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.3	°C	
Pressure		706.3	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Sodium Ion	0.0006	0.0037	µg/m ³	V0
Ammonium Ion	0.00004	0.0916	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0009	µg/m ³	V0
Calcium Ion	0.0021	0.0331	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0345	µg/m ³	V0
Sulphate Ion	0.0001	0.3910	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221005239
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.2	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	23.083	µg/m ³	V0
Sodium Ion	0.0006	0.0180	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.0090	µg/m ³	V0
Calcium Ion	0.0021	0.9350	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0260	µg/m ³	V0
Nitrate Ion	0.0002	0.0810	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005244
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.9	°C	
Pressure		714.3	mmHg	
Particulate Matter	0.042	2.083	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.0170	µg/m ³	V0
Potassium Ion	0.0001	0.0050	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0420	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0520	µg/m ³	V0
Sulphate Ion	0.0001	0.3800	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005254
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.7	°C	
Pressure		732.5	mmHg	
Particulate Matter	0.042	17.208	µg/m ³	V0
Sodium Ion	0.0006	0.0150	µg/m ³	V0
Ammonium Ion	0.00004	0.0030	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.9830	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0200	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005267
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.2	°C	
Pressure		706.6	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Sodium Ion	0.0006	0.0060	µg/m ³	V0
Ammonium Ion	0.00004	0.0450	µg/m ³	V0
Potassium Ion	0.0001	0.0080	µg/m ³	V0
Magnesium Ion	0.00005	0.0120	µg/m ³	V0
Calcium Ion	0.0021	0.2170	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0640	µg/m ³	V0
Sulphate Ion	0.0001	0.4970	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221005276
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.3	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	6.875	µg/m ³	V0
Sodium Ion	0.0006	0.0090	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0120	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.2200	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0660	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-11-01 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-11-02 00:00

Set Index: 1
WBEA ID: 221005282
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.1	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	20.667	µg/m ³	V0
Sodium Ion	0.0006	0.0240	µg/m ³	V0
Ammonium Ion	0.00004	0.0050	µg/m ³	V0
Potassium Ion	0.0001	0.0240	µg/m ³	V0
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	1.8850	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0170	µg/m ³	V0
Nitrate Ion	0.0002	0.0190	µg/m ³	V0
Sulphate Ion	0.0001	0.6660	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005287
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.2	°C	
Pressure		712.6	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Sodium Ion	0.0006	0.0050	µg/m ³	V0
Ammonium Ion	0.00004	0.0200	µg/m ³	V0
Potassium Ion	0.0001	0.0060	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.2600	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0480	µg/m ³	V0
Sulphate Ion	0.0001	0.3540	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-11-01 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-11-02 00:00

Set Index: 1
WBEA ID: 221005295
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.2	°C	
Pressure		738.1	mmHg	
Particulate Matter	0.042	1.875	µg/m ³	V0
Sodium Ion	0.0006	0.0130	µg/m ³	V0
Ammonium Ion	0.00004	0.0060	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0110	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0390	µg/m ³	V0
Sulphate Ion	0.0001	0.3480	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221005300
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.5	°C	
Pressure		725.1	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Sodium Ion	0.0006	0.0090	µg/m ³	V0
Ammonium Ion	0.00004	0.0170	µg/m ³	V0
Potassium Ion	0.0001	0.0110	µg/m ³	V0
Magnesium Ion	0.00005	0.0250	µg/m ³	V0
Calcium Ion	0.0021	0.0920	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1280	µg/m ³	V0
Sulphate Ion	0.0001	0.3840	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-11-01 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-11-02 00:00**

Set Index: **1**
WBEA ID: **221005304**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.3	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	8.083	µg/m ³	V0
Sodium Ion	0.0006	0.0160	µg/m ³	V0
Ammonium Ion	0.00004	0.0170	µg/m ³	V0
Potassium Ion	0.0001	0.0180	µg/m ³	V0
Magnesium Ion	0.00005	0.0200	µg/m ³	V0
Calcium Ion	0.0021	0.2410	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0510	µg/m ³	V0
Sulphate Ion	0.0001	0.4100	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105353
Start Date:	2022-11-02 13:01	End Date:	2022-11-02 13:02	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2020	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105415
Start Date:	2022-11-04 14:10	End Date:	2022-11-04 14:11	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2100	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105331
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		725.0	mmHg	
Particulate Matter	0.042	4.458	µg/m ³	V0
Sodium Ion	0.0006	0.0790	µg/m ³	V0
Ammonium Ion	0.00004	0.1640	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0100	µg/m ³	V0
Calcium Ion	0.0021	0.1510	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1010	µg/m ³	V0
Nitrate Ion	0.0002	0.1180	µg/m ³	V0
Sulphate Ion	0.0001	0.9910	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105334
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		749.2	mmHg	
Particulate Matter	0.042	28.208	µg/m ³	V0
Sodium Ion	0.0006	0.0950	µg/m ³	V0
Ammonium Ion	0.00004	0.0960	µg/m ³	V0
Potassium Ion	0.0001	0.0330	µg/m ³	V0
Magnesium Ion	0.00005	0.0170	µg/m ³	V0
Calcium Ion	0.0021	0.4470	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1040	µg/m ³	V0
Nitrate Ion	0.0002	0.1160	µg/m ³	V0
Sulphate Ion	0.0001	1.0760	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Janvier**
Start Date: **2022-11-07 00:00**

Samp Use: **Exposure**
Loc ID: **JANV**
End Date: **2022-11-08 00:00**

Set Index: **1**
WBEA ID: **221105339**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	6.667	µg/m ³	V0
Sodium Ion	0.0006	0.5610	µg/m ³	V0
Ammonium Ion	0.00004	0.1520	µg/m ³	V0
Potassium Ion	0.0001	0.0220	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.1640	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.7980	µg/m ³	V0
Nitrate Ion	0.0002	0.1630	µg/m ³	V0
Sulphate Ion	0.0001	1.0370	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105345
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		754.1	mmHg	
Particulate Matter	0.042	20.375	µg/m ³	V0
Sodium Ion	0.0006	0.0670	µg/m ³	V0
Ammonium Ion	0.00004	0.0760	µg/m ³	V0
Potassium Ion	0.0001	0.0230	µg/m ³	V0
Magnesium Ion	0.00005	0.0090	µg/m ³	V0
Calcium Ion	0.0021	0.9780	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0640	µg/m ³	V0
Nitrate Ion	0.0002	0.1030	µg/m ³	V0
Sulphate Ion	0.0001	1.1190	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105351
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	3.333	µg/m ³	V0
Sodium Ion	0.0006	0.0710	µg/m ³	V0
Ammonium Ion	0.00004	0.1330	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.1020	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0490	µg/m ³	V0
Nitrate Ion	0.0002	0.1310	µg/m ³	V0
Sulphate Ion	0.0001	1.2160	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105370
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		752.7	mmHg	
Particulate Matter	0.042	34.875	µg/m ³	V0
Sodium Ion	0.0006	0.0810	µg/m ³	V0
Ammonium Ion	0.00004	0.1560	µg/m ³	V0
Potassium Ion	0.0001	0.0300	µg/m ³	V0
Magnesium Ion	0.00005	0.0120	µg/m ³	V0
Calcium Ion	0.0021	1.5510	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0700	µg/m ³	V0
Nitrate Ion	0.0002	0.0130	µg/m ³	V0
Sulphate Ion	0.0001	1.2370	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105393
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		757.1	mmHg	
Particulate Matter	0.042	11.250	µg/m ³	V0
Sodium Ion	0.0006	0.1110	µg/m ³	V0
Ammonium Ion	0.00004	0.2340	µg/m ³	V0
Potassium Ion	0.0001	0.0120	µg/m ³	V0
Magnesium Ion	0.00005	0.0140	µg/m ³	V0
Calcium Ion	0.0021	0.6640	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.1120	µg/m ³	V0
Nitrate Ion	0.0002	0.3310	µg/m ³	V0
Sulphate Ion	0.0001	1.1700	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105401
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		745.8	mmHg	
Particulate Matter	0.042	12.583	µg/m ³	V0
Sodium Ion	0.0006	0.0790	µg/m ³	V0
Ammonium Ion	0.00004	0.2290	µg/m ³	V0
Potassium Ion	0.0001	0.0150	µg/m ³	V0
Magnesium Ion	0.00005	0.0160	µg/m ³	V0
Calcium Ion	0.0021	1.0870	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0600	µg/m ³	V0
Nitrate Ion	0.0002	0.0510	µg/m ³	V0
Sulphate Ion	0.0001	1.2440	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105408
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		751.9	mmHg	
Particulate Matter	0.042	58.750	µg/m ³	V0
Sodium Ion	0.0006	0.1200	µg/m ³	V0
Ammonium Ion	0.00004	0.1040	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0160	µg/m ³	V0
Calcium Ion	0.0021	2.2780	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.1700	µg/m ³	V0
Nitrate Ion	0.0002	0.0640	µg/m ³	V0
Sulphate Ion	0.0001	1.3710	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105420
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		757.3	mmHg	
Particulate Matter	0.042	1.333	µg/m ³	V0
Sodium Ion	0.0006	0.0260	µg/m ³	V0
Ammonium Ion	0.00004	0.0770	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.0230	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0100	µg/m ³	V0
Nitrate Ion	0.0002	0.0640	µg/m ³	V0
Sulphate Ion	0.0001	0.8140	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105484
Start Date:	2022-11-09 11:18	End Date:	2022-11-09 11:19	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2130	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105427
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.4	°C	
Pressure		734.3	mmHg	
Particulate Matter	0.042	9.583	µg/m ³	V0
Sodium Ion	0.0006	0.0180	µg/m ³	V0
Ammonium Ion	0.00004	0.3010	µg/m ³	V0
Potassium Ion	0.0001	0.0050	µg/m ³	V0
Magnesium Ion	0.00005	0.0700	µg/m ³	V0
Calcium Ion	0.0021	0.0780	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.5910	µg/m ³	V0
Sulphate Ion	0.0001	1.0710	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-11-13 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-11-14 00:00

Set Index: 1
WBEA ID: 221105430
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.6	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	8.625	µg/m ³	V0
Sodium Ion	0.0006	0.0150	µg/m ³	V0
Ammonium Ion	0.00004	0.3330	µg/m ³	V0
Potassium Ion	0.0001	0.0030	µg/m ³	V0
Magnesium Ion	0.00005	0.0700	µg/m ³	V0
Calcium Ion	0.0021	0.0390	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.6890	µg/m ³	V0
Sulphate Ion	0.0001	1.0320	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105433
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.5	°C	
Pressure		733.1	mmHg	
Particulate Matter	0.042	5.042	µg/m ³	V0
Sodium Ion	0.0006	0.0070	µg/m ³	V0
Ammonium Ion	0.00004	0.1330	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0440	µg/m ³	V0
Calcium Ion	0.0021	0.0240	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1760	µg/m ³	V0
Sulphate Ion	0.0001	0.6610	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Fort Chipewyan**
Start Date: **2022-11-13 00:00**

Samp Use: **Exposure**
Loc ID: **FTCH**
End Date: **2022-11-14 00:00**

Set Index: **1**
WBEA ID: **221105439**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.7	°C	
Pressure		738.4	mmHg	
Particulate Matter	0.042	9.958	µg/m ³	V0
Sodium Ion	0.0006	0.0080	µg/m ³	V0
Ammonium Ion	0.00004	0.5090	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0770	µg/m ³	V0
Calcium Ion	0.0021	0.0220	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.7250	µg/m ³	V0
Sulphate Ion	0.0001	1.4310	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105447
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.1	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	14.542	µg/m ³	V0
Sodium Ion	0.0006	0.0280	µg/m ³	V0
Ammonium Ion	0.00004	0.5160	µg/m ³	V0
Potassium Ion	0.0001	0.0040	µg/m ³	V0
Magnesium Ion	0.00005	0.0950	µg/m ³	V0
Calcium Ion	0.0021	0.0810	µg/m ³	V0
Fluoride Ion	0.00001	0.0070	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.9680	µg/m ³	V0
Sulphate Ion	0.0001	1.4380	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-11-13 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-11-14 00:00**

Set Index: **1**
WBEA ID: **221105465**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.9	°C	
Pressure		740.4	mmHg	
Particulate Matter	0.042	10.125	µg/m ³	V0
Sodium Ion	0.0006	0.3190	µg/m ³	V0
Ammonium Ion	0.00004	0.4930	µg/m ³	V0
Potassium Ion	0.0001	0.0060	µg/m ³	V0
Magnesium Ion	0.00005	0.0870	µg/m ³	V0
Calcium Ion	0.0021	0.0500	µg/m ³	V0
Fluoride Ion	0.00001	0.0080	µg/m ³	V0
Chloride Ion	0.0014	0.3570	µg/m ³	V0
Nitrate Ion	0.0002	1.1010	µg/m ³	V0
Sulphate Ion	0.0001	1.2180	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-11-13 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-11-14 00:00

Set Index: 1
WBEA ID: 221105470
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.4	°C	
Pressure		729.2	mmHg	
Particulate Matter	0.042	6.750	µg/m ³	V0
Sodium Ion	0.0006	0.0290	µg/m ³	V0
Ammonium Ion	0.00004	0.3060	µg/m ³	V0
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0610	µg/m ³	V0
Calcium Ion	0.0021	0.0180	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.7680	µg/m ³	V0
Sulphate Ion	0.0001	0.8980	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105480
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.8	°C	
Pressure		712.1	mmHg	
Particulate Matter	0.042	6.083	µg/m ³	V0
Sodium Ion	0.0006	0.0090	µg/m ³	V0
Ammonium Ion	0.00004	0.0780	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0420	µg/m ³	V0
Calcium Ion	0.0021	0.0080	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1280	µg/m ³	V0
Sulphate Ion	0.0001	0.4990	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105493
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.8	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Sodium Ion	0.0006	0.0260	µg/m ³	V0
Ammonium Ion	0.00004	0.1080	µg/m ³	V0
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0440	µg/m ³	V0
Calcium Ion	0.0021	0.0090	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1520	µg/m ³	V0
Sulphate Ion	0.0001	0.5960	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105498
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.2	°C	
Pressure		716.9	mmHg	
Particulate Matter	0.042	5.875	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	0.1880	µg/m ³	V0
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0460	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1000	µg/m ³	V0
Sulphate Ion	0.0001	0.8540	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105562
Start Date:	2022-11-16 12:48	End Date:	2022-11-16 12:49	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0090	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2180	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105503
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.8	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	81.625	µg/m ³	V0
Sodium Ion	0.0006	0.1370	µg/m ³	V0
Ammonium Ion	0.00004	0.0500	µg/m ³	V0
Potassium Ion	0.0001	0.0580	µg/m ³	V0
Magnesium Ion	0.00005	0.0800	µg/m ³	V0
Calcium Ion	0.0021	2.3790	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	0.0950	µg/m ³	V0
Nitrate Ion	0.0002	0.3020	µg/m ³	V0
Sulphate Ion	0.0001	0.9210	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105511
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.6	°C	
Pressure		729.6	mmHg	
Particulate Matter	0.042	13.875	µg/m ³	V0
Sodium Ion	0.0006	0.0900	µg/m ³	V0
Ammonium Ion	0.00004	0.0410	µg/m ³	V0
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0480	µg/m ³	V0
Calcium Ion	0.0021	0.1140	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0700	µg/m ³	V0
Nitrate Ion	0.0002	0.1810	µg/m ³	V0
Sulphate Ion	0.0001	0.4450	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-11-19 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-11-20 00:00

Set Index: 1
WBEA ID: 221105513
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.3	°C	
Pressure		734.0	mmHg	
Particulate Matter	0.042	12.875	µg/m ³	V0
Sodium Ion	0.0006	0.2210	µg/m ³	V0
Ammonium Ion	0.00004	0.0780	µg/m ³	V0
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0470	µg/m ³	V0
Calcium Ion	0.0021	0.1950	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.2960	µg/m ³	V0
Nitrate Ion	0.0002	0.2060	µg/m ³	V0
Sulphate Ion	0.0001	0.6160	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105527
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.9	°C	
Pressure		732.9	mmHg	
Particulate Matter	0.042	16.958	µg/m ³	V0
Sodium Ion	0.0006	0.2460	µg/m ³	V0
Ammonium Ion	0.00004	0.1880	µg/m ³	V0
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0660	µg/m ³	V0
Calcium Ion	0.0021	0.3030	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	0.2800	µg/m ³	V0
Nitrate Ion	0.0002	0.3130	µg/m ³	V0
Sulphate Ion	0.0001	0.9720	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-11-19 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-11-20 00:00

Set Index: 1
WBEA ID: 221105539
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.5	°C	
Pressure		726.2	mmHg	
Particulate Matter	0.042	5.083	µg/m ³	V0
Sodium Ion	0.0006	0.1250	µg/m ³	V0
Ammonium Ion	0.00004	0.0310	µg/m ³	V0
Potassium Ion	0.0001	0.0060	µg/m ³	V0
Magnesium Ion	0.00005	0.0510	µg/m ³	V0
Calcium Ion	0.0021	0.0720	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.1350	µg/m ³	V0
Nitrate Ion	0.0002	0.1880	µg/m ³	V0
Sulphate Ion	0.0001	0.4360	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-11-19 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-11-20 00:00**

Set Index: **1**
WBEA ID: **221105548**
Duration: **24.0 hr**

Notes

Elevated PM10 levels in afternoon

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.6	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	25.542	µg/m ³	V0
Sodium Ion	0.0006	4.0860	µg/m ³	V4
Ammonium Ion	0.00004	0.0240	µg/m ³	V0
Potassium Ion	0.0001	0.0270	µg/m ³	V0
Magnesium Ion	0.00005	0.1200	µg/m ³	V0
Calcium Ion	0.0021	0.5570	µg/m ³	V0
Fluoride Ion	0.00001	0.0110	µg/m ³	V0
Chloride Ion	0.0014	5.7200	µg/m ³	V4
Nitrate Ion	0.0002	0.5360	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105554
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.3	°C	
Pressure		713.4	mmHg	
Particulate Matter	0.042	4.000	µg/m ³	V0
Sodium Ion	0.0006	0.0920	µg/m ³	V0
Ammonium Ion	0.00004	0.0280	µg/m ³	V0
Potassium Ion	0.0001	0.0050	µg/m ³	V0
Magnesium Ion	0.00005	0.0410	µg/m ³	V0
Calcium Ion	0.0021	0.0340	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0910	µg/m ³	V0
Nitrate Ion	0.0002	0.1410	µg/m ³	V0
Sulphate Ion	0.0001	0.4580	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105566
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.2	°C	
Pressure		715.6	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Sodium Ion	0.0006	0.4190	µg/m ³	V0
Ammonium Ion	0.00004	0.0300	µg/m ³	V0
Potassium Ion	0.0001	0.0070	µg/m ³	V0
Magnesium Ion	0.00005	0.0420	µg/m ³	V0
Calcium Ion	0.0021	0.0650	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.6060	µg/m ³	V0
Nitrate Ion	0.0002	0.1900	µg/m ³	V0
Sulphate Ion	0.0001	0.4200	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105571
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.9	°C	
Pressure		709.0	mmHg	
Particulate Matter	0.042	10.000	µg/m ³	V0
Sodium Ion	0.0006	0.5330	µg/m ³	V0
Ammonium Ion	0.00004	0.0300	µg/m ³	V0
Potassium Ion	0.0001	0.0120	µg/m ³	V0
Magnesium Ion	0.00005	0.0420	µg/m ³	V0
Calcium Ion	0.0021	0.3680	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.7670	µg/m ³	V0
Nitrate Ion	0.0002	0.2600	µg/m ³	V0
Sulphate Ion	0.0001	0.3880	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-11-19 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-11-20 00:00

Set Index: 1
WBEA ID: 221105583
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.9	°C	
Pressure		735.9	mmHg	
Particulate Matter	0.042	4.375	µg/m ³	V0
Sodium Ion	0.0006	0.0420	µg/m ³	V0
Ammonium Ion	0.00004	0.0220	µg/m ³	V0
Potassium Ion	0.0001	0.0060	µg/m ³	V0
Magnesium Ion	0.00005	0.0300	µg/m ³	V0
Calcium Ion	0.0021	0.0470	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0150	µg/m ³	V0
Nitrate Ion	0.0002	0.2070	µg/m ³	V0
Sulphate Ion	0.0001	0.3990	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105667
Start Date:	2022-11-23 15:50	End Date:	2022-11-23 15:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.0050	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0330	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105587
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.9	°C	
Pressure		705.8	mmHg	
Particulate Matter	0.042	0.958	µg/m ³	V0
Sodium Ion	0.0006	0.0100	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0100	µg/m ³	V0
Nitrate Ion	0.0002	0.2040	µg/m ³	V0
Sulphate Ion	0.0001	0.1920	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105595
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.9	°C	
Pressure		707.9	mmHg	
Particulate Matter	0.042	0.875	µg/m ³	V0
Sodium Ion	0.0006	0.0070	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0090	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2060	µg/m ³	V0
Sulphate Ion	0.0001	0.1950	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105600
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.0	°C	
Pressure		701.5	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Sodium Ion	0.0006	0.0070	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	0.0180	µg/m ³	V0
Calcium Ion	0.0021	0.0130	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0500	µg/m ³	V0
Sulphate Ion	0.0001	0.3360	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-11-26 00:00

Set Index: 1
WBEA ID: 221105609
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		723.4	mmHg	
Particulate Matter	0.042	4.958	µg/m ³	V0
Sodium Ion	0.0006	0.0470	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0090	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.0700	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0660	µg/m ³	V0
Nitrate Ion	0.0002	0.0350	µg/m ³	V0
Sulphate Ion	0.0001	0.2820	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-11-26 00:00

Set Index: 1
WBEA ID: 221105648
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.8	°C	
Pressure		725.1	mmHg	
Particulate Matter	0.042	1.208	µg/m ³	V0
Sodium Ion	0.0006	0.0170	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.0110	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0290	µg/m ³	V0
Nitrate Ion	0.0002	0.2050	µg/m ³	V0
Sulphate Ion	0.0001	0.1870	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105651
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.4	°C	
Pressure		721.5	mmHg	
Particulate Matter	0.042	1.333	µg/m ³	V0
Sodium Ion	0.0006	0.0210	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0120	µg/m ³	V0
Calcium Ion	0.0021	0.0110	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0220	µg/m ³	V0
Nitrate Ion	0.0002	0.0310	µg/m ³	V0
Sulphate Ion	0.0001	0.0370	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105672
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.6	°C	
Pressure		725.1	mmHg	
Particulate Matter	0.042	1.125	µg/m ³	V0
Sodium Ion	0.0006	0.0220	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0130	µg/m ³	V0
Calcium Ion	0.0021	0.0160	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.0440	µg/m ³	V0
Nitrate Ion	0.0002	0.0380	µg/m ³	V0
Sulphate Ion	0.0001	0.2470	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105680
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.7	°C	
Pressure		726.0	mmHg	
Particulate Matter	0.042	1.292	µg/m ³	V0
Sodium Ion	0.0006	0.0120	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0020	µg/m ³	V0
Magnesium Ion	0.00005	0.0100	µg/m ³	V0
Calcium Ion	0.0021	0.0180	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0160	µg/m ³	V0
Nitrate Ion	0.0002	0.0380	µg/m ³	V0
Sulphate Ion	0.0001	0.2430	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Athabasca Valley
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-11-26 00:00

Set Index: 1
WBEA ID: 221105684
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.7	°C	
Pressure		728.7	mmHg	
Particulate Matter	0.042	7.667	µg/m ³	V0
Sodium Ion	0.0006	0.3100	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0240	µg/m ³	V0
Calcium Ion	0.0021	0.0360	µg/m ³	V0
Fluoride Ion	0.00001	0.0130	µg/m ³	V0
Chloride Ion	0.0014	0.3370	µg/m ³	V0
Nitrate Ion	0.0002	0.0460	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105691
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.7	°C	
Pressure		717.5	mmHg	
Particulate Matter	0.042	0.500	µg/m ³	V0
Sodium Ion	0.0006	0.0110	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0010	µg/m ³	V0
Magnesium Ion	0.00005	0.0130	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0160	µg/m ³	V0
Nitrate Ion	0.0002	0.0320	µg/m ³	V0
Sulphate Ion	0.0001	0.2460	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105718
Start Date:	2022-11-28 15:50	End Date:	2022-11-28 15:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	
Particulate Matter	0.042	0.000	µg/m ³	
Sodium Ion	0.0006	0.0010	µg/m ³	
Ammonium Ion	0.00004	0.0000	µg/m ³	
Potassium Ion	0.0001	0.0020	µg/m ³	
Magnesium Ion	0.00005	0.0000	µg/m ³	
Calcium Ion	0.0021	0.0000	µg/m ³	
Fluoride Ion	0.00001	0.0000	µg/m ³	
Chloride Ion	0.0014	0.0000	µg/m ³	
Nitrate Ion	0.0002	0.0330	µg/m ³	
Sulphate Ion	0.0001	0.0000	µg/m ³	
Phosphate Ion	0.0018	0.0000	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105706
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		735.9	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Sodium Ion	0.0006	0.0370	µg/m ³	V0
Ammonium Ion	0.00004	0.0850	µg/m ³	V0
Potassium Ion	0.0001	0.0070	µg/m ³	V0
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	0.0790	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.4500	µg/m ³	V0
Sulphate Ion	0.0001	0.5660	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105713
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		741.2	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Sodium Ion	0.0006	0.0970	µg/m ³	V0
Ammonium Ion	0.00004	0.0230	µg/m ³	V0
Potassium Ion	0.0001	0.0570	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.0710	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.1000	µg/m ³	V0
Nitrate Ion	0.0002	0.5370	µg/m ³	V0
Sulphate Ion	0.0001	0.3940	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-02 00:00

Set Index: 1
WBEA ID: 221105724
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Sodium Ion	0.0006	0.0950	µg/m ³	V0
Ammonium Ion	0.00004	0.0330	µg/m ³	V0
Potassium Ion	0.0001	0.0180	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.0700	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	0.1040	µg/m ³	V0
Nitrate Ion	0.0002	0.4610	µg/m ³	V0
Sulphate Ion	0.0001	0.3910	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105732
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	6.958	µg/m ³	V0
Sodium Ion	0.0006	0.0650	µg/m ³	V0
Ammonium Ion	0.00004	0.1350	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.0870	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0220	µg/m ³	V0
Nitrate Ion	0.0002	0.3330	µg/m ³	V0
Sulphate Ion	0.0001	0.6800	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105752
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		716.9	mmHg	
Particulate Matter	0.042	1.750	µg/m ³	V0
Sodium Ion	0.0006	0.0520	µg/m ³	V0
Ammonium Ion	0.00004	0.0160	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0140	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0540	µg/m ³	V0
Nitrate Ion	0.0002	0.0900	µg/m ³	V0
Sulphate Ion	0.0001	0.3500	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105771
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-27.0	°C	
Pressure		709.5	mmHg	
Particulate Matter	0.042	3.292	µg/m ³	V0
Sodium Ion	0.0006	0.0310	µg/m ³	V0
Ammonium Ion	0.00004	0.2120	µg/m ³	V0
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0140	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.0830	µg/m ³	V0
Sulphate Ion	0.0001	0.9220	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105776
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		715.3	mmHg	
Particulate Matter	0.042	2.542	µg/m ³	V0
Sodium Ion	0.0006	0.0380	µg/m ³	V0
Ammonium Ion	0.00004	0.0220	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0280	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0240	µg/m ³	V0
Nitrate Ion	0.0002	0.1030	µg/m ³	V0
Sulphate Ion	0.0001	0.3830	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-12-02 00:00

Set Index: 1
WBEA ID: 221105798
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		738.1	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Sodium Ion	0.0006	0.0410	µg/m ³	V0
Ammonium Ion	0.00004	0.0680	µg/m ³	V0
Potassium Ion	0.0001	0.0110	µg/m ³	V0
Magnesium Ion	0.00005	0.0050	µg/m ³	V0
Calcium Ion	0.0021	0.0510	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0350	µg/m ³	V0
Nitrate Ion	0.0002	0.2430	µg/m ³	V0
Sulphate Ion	0.0001	0.5220	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-12-02 00:00

Set Index: 1
WBEA ID: 221105803
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		739.1	mmHg	
Particulate Matter	0.042	4.292	µg/m ³	V0
Sodium Ion	0.0006	0.0430	µg/m ³	V0
Ammonium Ion	0.00004	0.4340	µg/m ³	V0
Potassium Ion	0.0001	0.0120	µg/m ³	V0
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	0.0400	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2160	µg/m ³	V0
Sulphate Ion	0.0001	1.4630	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-12-02 00:00

Set Index: 1
WBEA ID: 221105809
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		732.3	mmHg	
Particulate Matter	0.042	3.917	µg/m ³	V0
Sodium Ion	0.0006	0.0440	µg/m ³	V0
Ammonium Ion	0.00004	0.0240	µg/m ³	V0
Potassium Ion	0.0001	0.0090	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.0470	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.4490	µg/m ³	V0
Sulphate Ion	0.0001	0.4010	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205826
Start Date:	2022-12-05 09:25	End Date:	2022-12-05 09:26	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1990	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205819
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		724.8	mmHg	
Particulate Matter	0.042	9.250	µg/m ³	V0
Sodium Ion	0.0006	0.1690	µg/m ³	V0
Ammonium Ion	0.00004	0.2960	µg/m ³	V0
Potassium Ion	0.0001	0.0730	µg/m ³	V0
Magnesium Ion	0.00005	0.0290	µg/m ³	V0
Calcium Ion	0.0021	0.4070	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0710	µg/m ³	V0
Nitrate Ion	0.0002	1.5330	µg/m ³	V0
Sulphate Ion	0.0001	0.9710	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-12-07 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-12-08 00:00**

Set Index: **1**
WBEA ID: **221205829**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	27.417	µg/m ³	V0
Sodium Ion	0.0006	0.2380	µg/m ³	V0
Ammonium Ion	0.00004	0.3070	µg/m ³	V0
Potassium Ion	0.0001	0.0410	µg/m ³	V0
Magnesium Ion	0.00005	0.0300	µg/m ³	V0
Calcium Ion	0.0021	0.2560	µg/m ³	V0
Fluoride Ion	0.00001	0.0090	µg/m ³	V0
Chloride Ion	0.0014	0.1520	µg/m ³	V0
Nitrate Ion	0.0002	1.5040	µg/m ³	V0
Sulphate Ion	0.0001	0.8330	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205836
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		710.5	mmHg	
Particulate Matter	0.042	5.458	µg/m ³	V0
Sodium Ion	0.0006	0.1240	µg/m ³	V0
Ammonium Ion	0.00004	0.4520	µg/m ³	V0
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.0170	µg/m ³	V0
Calcium Ion	0.0021	0.0350	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.0080	µg/m ³	V0
Sulphate Ion	0.0001	1.2510	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205845
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		712.1	mmHg	
Particulate Matter	0.042	5.000	µg/m ³	V0
Sodium Ion	0.0006	0.1320	µg/m ³	V0
Ammonium Ion	0.00004	0.3650	µg/m ³	V0
Potassium Ion	0.0001	0.0260	µg/m ³	V0
Magnesium Ion	0.00005	0.0170	µg/m ³	V0
Calcium Ion	0.0021	0.0240	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.2150	µg/m ³	V0
Sulphate Ion	0.0001	0.8910	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205849
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		730.0	mmHg	
Particulate Matter	0.042	5.000	µg/m ³	V0
Sodium Ion	0.0006	0.1490	µg/m ³	V0
Ammonium Ion	0.00004	0.2030	µg/m ³	V0
Potassium Ion	0.0001	0.0290	µg/m ³	V0
Magnesium Ion	0.00005	0.0220	µg/m ³	V0
Calcium Ion	0.0021	0.0470	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0510	µg/m ³	V0
Nitrate Ion	0.0002	0.7780	µg/m ³	V0
Sulphate Ion	0.0001	0.9560	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205855
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-20.0	°C	
Pressure		705.3	mmHg	
Particulate Matter	0.042	6.667	µg/m ³	V0
Sodium Ion	0.0006	0.1270	µg/m ³	V0
Ammonium Ion	0.00004	0.3370	µg/m ³	V0
Potassium Ion	0.0001	0.0360	µg/m ³	V0
Magnesium Ion	0.00005	0.0180	µg/m ³	V0
Calcium Ion	0.0021	0.0500	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.1430	µg/m ³	V0
Sulphate Ion	0.0001	0.9220	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221205864
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		731.5	mmHg	
Particulate Matter	0.042	24.667	µg/m ³	V0
Sodium Ion	0.0006	0.1710	µg/m ³	V0
Ammonium Ion	0.00004	0.3280	µg/m ³	V0
Potassium Ion	0.0001	0.0310	µg/m ³	V0
Magnesium Ion	0.00005	0.0420	µg/m ³	V0
Calcium Ion	0.0021	0.5700	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0820	µg/m ³	V0
Nitrate Ion	0.0002	1.0160	µg/m ³	V0
Sulphate Ion	0.0001	1.2640	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205880
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		732.5	mmHg	
Particulate Matter	0.042	20.375	µg/m ³	V0
Sodium Ion	0.0006	0.1730	µg/m ³	V0
Ammonium Ion	0.00004	0.4000	µg/m ³	V0
Potassium Ion	0.0001	0.0350	µg/m ³	V0
Magnesium Ion	0.00005	0.0410	µg/m ³	V0
Calcium Ion	0.0021	0.3980	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0680	µg/m ³	V0
Nitrate Ion	0.0002	1.3770	µg/m ³	V0
Sulphate Ion	0.0001	1.2970	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205887
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-27.0	°C	
Pressure		727.7	mmHg	
Particulate Matter	0.042	14.667	µg/m ³	V0
Sodium Ion	0.0006	0.1460	µg/m ³	V0
Ammonium Ion	0.00004	0.3960	µg/m ³	V0
Potassium Ion	0.0001	0.0230	µg/m ³	V0
Magnesium Ion	0.00005	0.0320	µg/m ³	V0
Calcium Ion	0.0021	0.1650	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0360	µg/m ³	V0
Nitrate Ion	0.0002	1.2260	µg/m ³	V0
Sulphate Ion	0.0001	1.2230	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205891
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		733.5	mmHg	
Particulate Matter	0.042	13.917	µg/m ³	V0
Sodium Ion	0.0006	0.1390	µg/m ³	V0
Ammonium Ion	0.00004	0.3390	µg/m ³	V0
Potassium Ion	0.0001	0.0210	µg/m ³	V0
Magnesium Ion	0.00005	0.0310	µg/m ³	V0
Calcium Ion	0.0021	0.2500	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0320	µg/m ³	V0
Nitrate Ion	0.0002	1.0930	µg/m ³	V0
Sulphate Ion	0.0001	1.1620	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Hills
Start Date: 2022-12-13 00:00

Samp Use: Exposure
Loc ID: FTHL
End Date: 2022-12-14 00:00

Set Index: 1
WBEA ID: 221205896
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		734.6	mmHg	
Particulate Matter	0.042	16.625	µg/m ³	V0
Sodium Ion	0.0006	0.0520	µg/m ³	V0
Ammonium Ion	0.00004	0.8210	µg/m ³	V0
Potassium Ion	0.0001	0.0790	µg/m ³	V0
Magnesium Ion	0.00005	0.0210	µg/m ³	V0
Calcium Ion	0.0021	0.1950	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.0410	µg/m ³	V0
Sulphate Ion	0.0001	2.1580	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-12-13 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-14 00:00

Set Index: 1
WBEA ID: 221205902
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		722.4	mmHg	
Particulate Matter	0.042	9.917	µg/m ³	V0
Sodium Ion	0.0006	0.0480	µg/m ³	V0
Ammonium Ion	0.00004	0.7700	µg/m ³	V0
Potassium Ion	0.0001	0.0730	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0220	µg/m ³	V0
Fluoride Ion	0.00001	0.0030	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.4090	µg/m ³	V0
Sulphate Ion	0.0001	1.4790	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205908
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		735.7	mmHg	
Particulate Matter	0.042	12.917	µg/m ³	V0
Sodium Ion	0.0006	0.0490	µg/m ³	V0
Ammonium Ion	0.00004	1.0770	µg/m ³	V0
Potassium Ion	0.0001	0.0770	µg/m ³	V0
Magnesium Ion	0.00005	0.0100	µg/m ³	V0
Calcium Ion	0.0021	0.0860	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.1360	µg/m ³	V0
Sulphate Ion	0.0001	2.7070	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205923
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

Elevated PM levels in afternoon/evening

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		739.0	mmHg	
Particulate Matter	0.042	20.042	µg/m ³	V0
Sodium Ion	0.0006	0.1130	µg/m ³	V0
Ammonium Ion	0.00004	0.8090	µg/m ³	V0
Potassium Ion	0.0001	0.0930	µg/m ³	V0
Magnesium Ion	0.00005	0.0070	µg/m ³	V0
Calcium Ion	0.0021	0.0430	µg/m ³	V0
Fluoride Ion	0.00001	0.0280	µg/m ³	V4
Chloride Ion	0.0014	0.0870	µg/m ³	V0
Nitrate Ion	0.0002	1.5790	µg/m ³	V0
Sulphate Ion	0.0001	1.5510	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-12-13 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-12-14 00:00

Set Index: 1
WBEA ID: 221205933
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		729.0	mmHg	
Particulate Matter	0.042	14.750	µg/m ³	V0
Sodium Ion	0.0006	0.0480	µg/m ³	V0
Ammonium Ion	0.00004	0.7450	µg/m ³	V0
Potassium Ion	0.0001	0.0830	µg/m ³	V0
Magnesium Ion	0.00005	0.0160	µg/m ³	V0
Calcium Ion	0.0021	0.1040	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.5700	µg/m ³	V0
Sulphate Ion	0.0001	1.5100	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-12-13 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-12-14 00:00

Set Index: 1
WBEA ID: 221205939
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.5	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	15.208	µg/m ³	V0
Sodium Ion	0.0006	0.0560	µg/m ³	V0
Ammonium Ion	0.00004	1.0860	µg/m ³	V0
Potassium Ion	0.0001	0.0770	µg/m ³	V0
Magnesium Ion	0.00005	0.0140	µg/m ³	V0
Calcium Ion	0.0021	0.1330	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.9390	µg/m ³	V0
Sulphate Ion	0.0001	2.9950	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205945
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		710.8	mmHg	
Particulate Matter	0.042	9.542	µg/m ³	V0
Sodium Ion	0.0006	0.0320	µg/m ³	V0
Ammonium Ion	0.00004	0.8570	µg/m ³	V0
Potassium Ion	0.0001	0.1000	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0330	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.3790	µg/m ³	V0
Sulphate Ion	0.0001	1.6850	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205953
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		716.7	mmHg	
Particulate Matter	0.042	8.750	µg/m ³	V0
Sodium Ion	0.0006	0.0330	µg/m ³	V0
Ammonium Ion	0.00004	0.8450	µg/m ³	V0
Potassium Ion	0.0001	0.0650	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0270	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.1540	µg/m ³	V0
Sulphate Ion	0.0001	1.7860	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205959
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		715.1	mmHg	
Particulate Matter	0.042	9.375	µg/m ³	V0
Sodium Ion	0.0006	0.0360	µg/m ³	V0
Ammonium Ion	0.00004	0.6470	µg/m ³	V0
Potassium Ion	0.0001	0.0890	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0350	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.0230	µg/m ³	V0
Sulphate Ion	0.0001	1.6280	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206009
Start Date:	2022-12-15 13:50	End Date:	2022-12-15 13:51	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1990	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206021
Start Date:	2022-12-15 14:30	End Date:	2022-12-15 14:31	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2060	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206033
Start Date:	2022-12-15 15:00	End Date:	2022-12-16 15:00	Duration:	24.0 hr

Notes

Sample ran from 15:00 MST on December 15th to 15:00 MST on December 16th due to unavailable change out samples for December 13th NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-13.0	°C	
Pressure		742.5	mmHg	
Particulate Matter	0.042	1.792	µg/m ³	V6
Sodium Ion	0.0006	0.0280	µg/m ³	V6
Ammonium Ion	0.00004	0.0810	µg/m ³	V6
Potassium Ion	0.0001	0.0260	µg/m ³	V6
Magnesium Ion	0.00005	0.0080	µg/m ³	V6
Calcium Ion	0.0021	0.0110	µg/m ³	V6
Fluoride Ion	0.00001	0.0000	µg/m ³	V6
Chloride Ion	0.0014	0.0000	µg/m ³	V6
Nitrate Ion	0.0002	0.0520	µg/m ³	V6
Sulphate Ion	0.0001	1.0810	µg/m ³	V6
Phosphate Ion	0.0018	0.0000	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221205966
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		754.5	mmHg	
Particulate Matter	0.042	11.000	µg/m ³	V0
Sodium Ion	0.0006	0.6090	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0880	µg/m ³	V0
Calcium Ion	0.0021	0.2000	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	1.0330	µg/m ³	V0
Nitrate Ion	0.0002	0.2790	µg/m ³	V0
Sulphate Ion	0.0001	0.3710	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-12-19 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2022-12-20 00:00

Set Index: 1
WBEA ID: 221205970
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		751.2	mmHg	
Particulate Matter	0.042	14.542	µg/m ³	V0
Sodium Ion	0.0006	0.6210	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0400	µg/m ³	V0
Magnesium Ion	0.00005	0.0940	µg/m ³	V0
Calcium Ion	0.0021	0.1990	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	1.0870	µg/m ³	V0
Nitrate Ion	0.0002	0.4380	µg/m ³	V0
Sulphate Ion	0.0001	0.3630	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Ells River
Start Date: 2022-12-19 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-12-20 00:00

Set Index: 1
WBEA ID: 221205975
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		748.4	mmHg	
Particulate Matter	0.042	5.083	µg/m ³	V0
Sodium Ion	0.0006	0.6940	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0250	µg/m ³	V0
Magnesium Ion	0.00005	0.0950	µg/m ³	V0
Calcium Ion	0.0021	0.0610	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	1.2230	µg/m ³	V0
Nitrate Ion	0.0002	0.3250	µg/m ³	V0
Sulphate Ion	0.0001	0.3390	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205989
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		755.1	mmHg	
Particulate Matter	0.042	2.333	µg/m ³	V0
Sodium Ion	0.0006	0.6430	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0270	µg/m ³	V0
Magnesium Ion	0.00005	0.0940	µg/m ³	V0
Calcium Ion	0.0021	0.2590	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	1.0860	µg/m ³	V0
Nitrate Ion	0.0002	0.3720	µg/m ³	V0
Sulphate Ion	0.0001	0.4090	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206001
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		741.7	mmHg	
Particulate Matter	0.042	6.167	µg/m ³	V0
Sodium Ion	0.0006	0.5850	µg/m ³	V0
Ammonium Ion	0.00004	0.1950	µg/m ³	V0
Potassium Ion	0.0001	0.0250	µg/m ³	V0
Magnesium Ion	0.00005	0.0750	µg/m ³	V0
Calcium Ion	0.0021	0.0440	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.6950	µg/m ³	V0
Nitrate Ion	0.0002	0.6040	µg/m ³	V0
Sulphate Ion	0.0001	1.0470	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206006
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		732.9	mmHg	
Particulate Matter	0.042	6.708	µg/m ³	V0
Sodium Ion	0.0006	1.3210	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0390	µg/m ³	V0
Magnesium Ion	0.00005	0.1850	µg/m ³	V0
Calcium Ion	0.0021	0.0490	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	2.4640	µg/m ³	V0
Nitrate Ion	0.0002	0.2470	µg/m ³	V0
Sulphate Ion	0.0001	0.3210	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206013
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		727.6	mmHg	
Particulate Matter	0.042	6.083	µg/m ³	V0
Sodium Ion	0.0006	1.1920	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0390	µg/m ³	V0
Magnesium Ion	0.00005	0.1650	µg/m ³	V0
Calcium Ion	0.0021	0.0490	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	2.2030	µg/m ³	V0
Nitrate Ion	0.0002	0.2950	µg/m ³	V0
Sulphate Ion	0.0001	0.3680	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206031
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		723.4	mmHg	
Particulate Matter	0.042	7.083	µg/m ³	V0
Sodium Ion	0.0006	1.3050	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0470	µg/m ³	V0
Magnesium Ion	0.00005	0.1840	µg/m ³	V0
Calcium Ion	0.0021	0.0600	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	2.5020	µg/m ³	V0
Nitrate Ion	0.0002	0.2750	µg/m ³	V0
Sulphate Ion	0.0001	0.3360	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-12-19 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-12-20 00:00**

Set Index: **1**
WBEA ID: **221206039**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		758.4	mmHg	
Particulate Matter	0.042	13.792	µg/m ³	V0
Sodium Ion	0.0006	0.7020	µg/m ³	V0
Ammonium Ion	0.00004	0.0830	µg/m ³	V0
Potassium Ion	0.0001	0.1090	µg/m ³	V0
Magnesium Ion	0.00005	0.0860	µg/m ³	V0
Calcium Ion	0.0021	0.7880	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	1.0540	µg/m ³	V0
Nitrate Ion	0.0002	1.2390	µg/m ³	V0
Sulphate Ion	0.0001	0.6120	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206050
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		754.2	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Sodium Ion	0.0006	0.9580	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	0.0240	µg/m ³	V0
Magnesium Ion	0.00005	0.1340	µg/m ³	V0
Calcium Ion	0.0021	0.0400	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	1.6940	µg/m ³	V0
Nitrate Ion	0.0002	0.2300	µg/m ³	V0
Sulphate Ion	0.0001	0.3790	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206061
Start Date:	2022-12-20 12:35	End Date:	2022-12-20 12:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0020	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1970	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206053
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		716.2	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Sodium Ion	0.0006	0.0700	µg/m ³	V0
Ammonium Ion	0.00004	0.5010	µg/m ³	V0
Potassium Ion	0.0001	0.0170	µg/m ³	V0
Magnesium Ion	0.00005	0.0080	µg/m ³	V0
Calcium Ion	0.0021	0.0360	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2890	µg/m ³	V0
Sulphate Ion	0.0001	1.8880	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206063
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Heavy flurries during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		712.9	mmHg	
Particulate Matter	0.042	2.125	µg/m ³	V0
Sodium Ion	0.0006	0.0320	µg/m ³	V0
Ammonium Ion	0.00004	0.2210	µg/m ³	V0
Potassium Ion	0.0001	0.0210	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0120	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1380	µg/m ³	V0
Sulphate Ion	0.0001	0.9470	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206076
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Light flurries during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		721.1	mmHg	
Particulate Matter	0.042	1.167	µg/m ³	V0
Sodium Ion	0.0006	0.0360	µg/m ³	V0
Ammonium Ion	0.00004	0.1750	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0180	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1600	µg/m ³	V0
Sulphate Ion	0.0001	0.7430	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221206081
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		742.2	mmHg	
Particulate Matter	0.042	5.125	µg/m ³	V0
Sodium Ion	0.0006	0.0780	µg/m ³	V0
Ammonium Ion	0.00004	0.0400	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0130	µg/m ³	V0
Calcium Ion	0.0021	0.0600	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.5630	µg/m ³	V0
Sulphate Ion	0.0001	0.4920	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-12-25 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-12-26 00:00**

Set Index: **1**
WBEA ID: **221206084**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		746.2	mmHg	
Particulate Matter	0.042	7.042	µg/m ³	V0
Sodium Ion	0.0006	0.1390	µg/m ³	V0
Ammonium Ion	0.00004	0.3580	µg/m ³	V0
Potassium Ion	0.0001	0.0330	µg/m ³	V0
Magnesium Ion	0.00005	0.0130	µg/m ³	V0
Calcium Ion	0.0021	0.1340	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	0.0700	µg/m ³	V0
Nitrate Ion	0.0002	0.7500	µg/m ³	V0
Sulphate Ion	0.0001	1.2050	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Patricia McInnes
Start Date: 2022-12-25 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-26 00:00

Set Index: 1
WBEA ID: 221206100
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		729.6	mmHg	
Particulate Matter	0.042	4.958	µg/m ³	V0
Sodium Ion	0.0006	0.0750	µg/m ³	V0
Ammonium Ion	0.00004	0.6420	µg/m ³	V0
Potassium Ion	0.0001	0.0160	µg/m ³	V0
Magnesium Ion	0.00005	0.0090	µg/m ³	V0
Calcium Ion	0.0021	0.0270	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.2750	µg/m ³	V0
Sulphate Ion	0.0001	2.1510	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206119
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had a temp diff status code. Total sampling time = 24:00, Valid sampling time = 23:50.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-24.0	°C	
Pressure		743.0	mmHg	
Particulate Matter	0.042	11.417	µg/m ³	V6
Sodium Ion	0.0006	0.0880	µg/m ³	V6
Ammonium Ion	0.00004	0.0680	µg/m ³	V6
Potassium Ion	0.0001	0.0120	µg/m ³	V6
Magnesium Ion	0.00005	0.0220	µg/m ³	V6
Calcium Ion	0.0021	0.1730	µg/m ³	V6
Fluoride Ion	0.00001	0.0000	µg/m ³	V6
Chloride Ion	0.0014	0.0000	µg/m ³	V6
Nitrate Ion	0.0002	0.4280	µg/m ³	V6
Sulphate Ion	0.0001	0.5260	µg/m ³	V6
Phosphate Ion	0.0018	0.0000	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221206124
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		736.0	mmHg	
Particulate Matter	0.042	7.917	µg/m ³	V0
Sodium Ion	0.0006	0.0850	µg/m ³	V0
Ammonium Ion	0.00004	0.0520	µg/m ³	V0
Potassium Ion	0.0001	0.0110	µg/m ³	V0
Magnesium Ion	0.00005	0.0180	µg/m ³	V0
Calcium Ion	0.0021	0.0920	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.5970	µg/m ³	V0
Sulphate Ion	0.0001	0.4850	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221206128
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		738.9	mmHg	
Particulate Matter	0.042	6.708	µg/m ³	V0
Sodium Ion	0.0006	0.0740	µg/m ³	V0
Ammonium Ion	0.00004	0.0460	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0160	µg/m ³	V0
Calcium Ion	0.0021	0.0990	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.5890	µg/m ³	V0
Sulphate Ion	0.0001	0.4960	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-12-25 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-12-26 00:00

Set Index: 1
WBEA ID: 221206179
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		741.2	mmHg	
Particulate Matter	0.042	1.000	µg/m ³	V0
Sodium Ion	0.0006	0.0650	µg/m ³	V0
Ammonium Ion	0.00004	0.0010	µg/m ³	V0
Potassium Ion	0.0001	0.0100	µg/m ³	V0
Magnesium Ion	0.00005	0.0060	µg/m ³	V0
Calcium Ion	0.0021	0.0070	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.4700	µg/m ³	V0
Sulphate Ion	0.0001	0.3340	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206158
Start Date:	2022-12-28 11:00	End Date:	2022-12-28 11:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Sodium Ion	0.0006	0.0010	µg/m ³	V0
Ammonium Ion	0.00004	-8888	µg/m ³	V1
Potassium Ion	0.0001	-8888	µg/m ³	V1
Magnesium Ion	0.00005	-8888	µg/m ³	V1
Calcium Ion	0.0021	-8888	µg/m ³	V1
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1940	µg/m ³	V0
Sulphate Ion	0.0001	-8888	µg/m ³	V1
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Patricia McInnes**
Start Date: **2022-12-31 00:00**

Samp Use: **Exposure**
Loc ID: **PATM**
End Date: **2023-01-01 00:00**

Set Index: **1**
WBEA ID: **221206131**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		712.9	mmHg	
Particulate Matter	0.042	11.958	µg/m ³	V0
Sodium Ion	0.0006	0.0460	µg/m ³	V0
Ammonium Ion	0.00004	1.8430	µg/m ³	V0
Potassium Ion	0.0001	0.0700	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0100	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.3520	µg/m ³	V0
Sulphate Ion	0.0001	4.6540	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Ion**
Location: **Athabasca Valley**
Start Date: **2022-12-31 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2023-01-01 00:00**

Set Index: **1**
WBEA ID: **221206138**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		729.5	mmHg	
Particulate Matter	0.042	12.333	µg/m ³	V0
Sodium Ion	0.0006	0.1170	µg/m ³	V0
Ammonium Ion	0.00004	1.7590	µg/m ³	V0
Potassium Ion	0.0001	0.0690	µg/m ³	V0
Magnesium Ion	0.00005	0.0110	µg/m ³	V0
Calcium Ion	0.0021	0.0170	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.0680	µg/m ³	V0
Nitrate Ion	0.0002	0.7910	µg/m ³	V0
Sulphate Ion	0.0001	4.6750	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206144
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		701.6	mmHg	
Particulate Matter	0.042	10.042	µg/m ³	V0
Sodium Ion	0.0006	0.0320	µg/m ³	V0
Ammonium Ion	0.00004	1.6670	µg/m ³	V0
Potassium Ion	0.0001	0.0500	µg/m ³	V0
Magnesium Ion	0.00005	0.0030	µg/m ³	V0
Calcium Ion	0.0021	0.0090	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.1700	µg/m ³	V0
Sulphate Ion	0.0001	5.0990	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206151
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.8	°C	
Pressure		699.4	mmHg	
Particulate Matter	0.042	13.583	µg/m ³	V0
Sodium Ion	0.0006	0.0120	µg/m ³	V0
Ammonium Ion	0.00004	1.5640	µg/m ³	V0
Potassium Ion	0.0001	0.0400	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	0.0040	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	2.6830	µg/m ³	V0
Sulphate Ion	0.0001	2.5360	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206162
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.2	°C	
Pressure		706.5	mmHg	
Particulate Matter	0.042	9.500	µg/m ³	V0
Sodium Ion	0.0006	0.0140	µg/m ³	V0
Ammonium Ion	0.00004	1.3480	µg/m ³	V0
Potassium Ion	0.0001	0.0400	µg/m ³	V0
Magnesium Ion	0.00005	0.0010	µg/m ³	V0
Calcium Ion	0.0021	0.0070	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.7770	µg/m ³	V0
Sulphate Ion	0.0001	2.6520	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221206171
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.6	°C	
Pressure		725.4	mmHg	
Particulate Matter	0.042	18.833	µg/m ³	V0
Sodium Ion	0.0006	0.0380	µg/m ³	V0
Ammonium Ion	0.00004	1.5820	µg/m ³	V0
Potassium Ion	0.0001	0.0470	µg/m ³	V0
Magnesium Ion	0.00005	0.0120	µg/m ³	V0
Calcium Ion	0.0021	0.1380	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.4090	µg/m ³	V0
Sulphate Ion	0.0001	4.8370	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206192
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		726.6	mmHg	
Particulate Matter	0.042	16.125	µg/m ³	V0
Sodium Ion	0.0006	0.0470	µg/m ³	V0
Ammonium Ion	0.00004	1.5890	µg/m ³	V0
Potassium Ion	0.0001	0.0930	µg/m ³	V0
Magnesium Ion	0.00005	0.0140	µg/m ³	V0
Calcium Ion	0.0021	0.0610	µg/m ³	V0
Fluoride Ion	0.00001	0.0020	µg/m ³	V0
Chloride Ion	0.0014	0.2550	µg/m ³	V0
Nitrate Ion	0.0002	0.9230	µg/m ³	V0
Sulphate Ion	0.0001	4.4060	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Ion	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221206204
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.4	°C	
Pressure		719.9	mmHg	
Particulate Matter	0.042	13.167	µg/m ³	V0
Sodium Ion	0.0006	0.0340	µg/m ³	V0
Ammonium Ion	0.00004	1.8160	µg/m ³	V0
Potassium Ion	0.0001	0.0490	µg/m ³	V0
Magnesium Ion	0.00005	0.0150	µg/m ³	V0
Calcium Ion	0.0021	0.0410	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	1.2340	µg/m ³	V0
Sulphate Ion	0.0001	4.6930	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort McKay South
Start Date: 2022-12-31 00:00

Samp Use: Exposure
Loc ID: FMCS
End Date: 2023-01-01 00:00

Set Index: 1
WBEA ID: 221206208
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.3	°C	
Pressure		721.8	mmHg	
Particulate Matter	0.042	9.500	µg/m ³	V0
Sodium Ion	0.0006	0.0360	µg/m ³	V0
Ammonium Ion	0.00004	1.3440	µg/m ³	V0
Potassium Ion	0.0001	0.0390	µg/m ³	V0
Magnesium Ion	0.00005	0.0040	µg/m ³	V0
Calcium Ion	0.0021	0.0340	µg/m ³	V0
Fluoride Ion	0.00001	0.0010	µg/m ³	V0
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.5560	µg/m ³	V0
Sulphate Ion	0.0001	3.8500	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PM10 Ion
Location: Fort Chipewyan
Start Date: 2022-12-31 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2023-01-01 00:00

Set Index: 1
WBEA ID: 221206214
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		724.0	mmHg	
Particulate Matter	0.042	4.792	µg/m ³	V0
Sodium Ion	0.0006	0.0140	µg/m ³	V0
Ammonium Ion	0.00004	0.4050	µg/m ³	V0
Potassium Ion	0.0001	0.0350	µg/m ³	V0
Magnesium Ion	0.00005	0.0020	µg/m ³	V0
Calcium Ion	0.0021	0.0060	µg/m ³	V0
Fluoride Ion	0.00001	-8888	µg/m ³	V1
Chloride Ion	0.0014	-8888	µg/m ³	V1
Nitrate Ion	0.0002	0.3060	µg/m ³	V0
Sulphate Ion	0.0001	2.5170	µg/m ³	V0
Phosphate Ion	0.0018	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220100058
Start Date:	2022-01-04 15:25	End Date:	2022-01-04 15:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.004412	µg/m ³	V0
Aluminum	0.002800	0.010510	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.051840	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000446	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001947	µg/m ³	V0
Manganese	0.000028	0.000162	µg/m ³	V0
Iron	0.001585	0.010538	µg/m ³	V0
Cobalt	0.000005	0.000057	µg/m ³	V0
Nickel	0.000015	0.000726	µg/m ³	V0
Copper	0.000027	0.000032	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000087	µg/m ³	V0
Molybdenum	0.000025	0.000070	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000031	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000090	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000481	µg/m ³	V0
Tungsten	0.000005	0.000141	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100004
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-27.0	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	6.625	µg/m ³	V0
Lithium	0.000016	0.000055	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.883755	µg/m ³	V0
Magnesium	0.000279	0.172768	µg/m ³	V0
Aluminum	0.002800	0.032744	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.058099	µg/m ³	V0
Potassium	0.000402	0.045938	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000945	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001787	µg/m ³	V0
Manganese	0.000028	0.000584	µg/m ³	V0
Iron	0.001585	0.020315	µg/m ³	V0
Cobalt	0.000005	0.000067	µg/m ³	V0
Nickel	0.000015	0.000754	µg/m ³	V0
Copper	0.000027	0.000326	µg/m ³	V0
Zinc	0.000149	0.001827	µg/m ³	V0
Arsenic	0.000005	0.000031	µg/m ³	V0
Selenium	0.000133	0.000160	µg/m ³	V0
Rubidium	0.000003	0.000057	µg/m ³	V0
Strontium	0.000012	0.000973	µg/m ³	V0
Niobium	0.000006	0.000116	µg/m ³	V0
Molybdenum	0.000025	0.000104	µg/m ³	V0
Palladium	0.000050	0.000111	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000062	µg/m ³	V0
Antimony	0.000016	0.000099	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.000233	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001041	µg/m ³	V0
Tungsten	0.000005	0.000249	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000076	µg/m ³	V0
Lead	0.000018	0.000463	µg/m ³	V0
Bismuth	0.000004	0.000055	µg/m ³	V0
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220100010
Start Date:	2022-01-05 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-01-06 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		755.7	mmHg	
Particulate Matter	0.042	7.375	µg/m ³	V0
Lithium	0.000016	0.000067	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	1.014067	µg/m ³	V0
Magnesium	0.000279	0.209401	µg/m ³	V0
Aluminum	0.002800	0.066183	µg/m ³	V0
Silicon	0.010200	0.082322	µg/m ³	V0
Phosphorus	0.003480	0.057768	µg/m ³	V0
Potassium	0.000402	0.054742	µg/m ³	V0
Calcium	0.013042	0.054607	µg/m ³	V0
Titanium	0.000031	0.003826	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001019	µg/m ³	V0
Manganese	0.000028	0.001390	µg/m ³	V0
Iron	0.001585	0.094645	µg/m ³	V0
Cobalt	0.000005	0.000089	µg/m ³	V0
Nickel	0.000015	0.000456	µg/m ³	V0
Copper	0.000027	0.001559	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	0.000139	µg/m ³	V0
Rubidium	0.000003	0.000080	µg/m ³	V0
Strontium	0.000012	0.001384	µg/m ³	V0
Niobium	0.000006	0.000125	µg/m ³	V0
Molybdenum	0.000025	0.000219	µg/m ³	V0
Palladium	0.000050	0.000072	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000343	µg/m ³	V0
Antimony	0.000016	0.000516	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.005349	µg/m ³	V0
Lanthanum	0.000004	0.000033	µg/m ³	V0
Cerium	0.000013	0.000107	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000036	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000603	µg/m ³	V0
Tungsten	0.000005	0.000267	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000375	µg/m ³	V0
Bismuth	0.000004	0.000028	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100018
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-30.0	°C	
Pressure		739.6	mmHg	
Particulate Matter	0.042	6.042	µg/m ³	V0
Lithium	0.000016	0.000038	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.928115	µg/m ³	V0
Magnesium	0.000279	0.191353	µg/m ³	V0
Aluminum	0.002800	0.045902	µg/m ³	V0
Silicon	0.010200	0.060713	µg/m ³	V0
Phosphorus	0.003480	0.067965	µg/m ³	V0
Potassium	0.000402	0.041822	µg/m ³	V0
Calcium	0.013042	0.020092	µg/m ³	V0
Titanium	0.000031	0.001896	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001650	µg/m ³	V0
Manganese	0.000028	0.000863	µg/m ³	V0
Iron	0.001585	0.036905	µg/m ³	V0
Cobalt	0.000005	0.000070	µg/m ³	V0
Nickel	0.000015	0.000422	µg/m ³	V0
Copper	0.000027	0.000544	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000046	µg/m ³	V0
Strontium	0.000012	0.001027	µg/m ³	V0
Niobium	0.000006	0.000133	µg/m ³	V0
Molybdenum	0.000025	0.000150	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000051	µg/m ³	V0
Antimony	0.000016	0.000095	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000667	µg/m ³	V0
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000039	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000844	µg/m ³	V0
Tungsten	0.000005	0.000237	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000309	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100022
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		746.0	mmHg	
Particulate Matter	0.042	5.167	µg/m ³	V0
Lithium	0.000016	0.000048	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.814656	µg/m ³	V0
Magnesium	0.000279	0.165794	µg/m ³	V0
Aluminum	0.002800	0.060479	µg/m ³	V0
Silicon	0.010200	0.025839	µg/m ³	V0
Phosphorus	0.003480	0.066341	µg/m ³	V0
Potassium	0.000402	0.050796	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001925	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001383	µg/m ³	V0
Manganese	0.000028	0.000706	µg/m ³	V0
Iron	0.001585	0.031457	µg/m ³	V0
Cobalt	0.000005	0.000062	µg/m ³	V0
Nickel	0.000015	0.000461	µg/m ³	V0
Copper	0.000027	0.000440	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000068	µg/m ³	V0
Strontium	0.000012	0.000895	µg/m ³	V0
Niobium	0.000006	0.000066	µg/m ³	V0
Molybdenum	0.000025	0.000101	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000038	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000404	µg/m ³	V0
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000037	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000240	µg/m ³	V0
Tungsten	0.000005	0.000181	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000176	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort McKay South	Samp Use: Exposure	WBEA ID: 220100025
Start Date:	2022-01-05 00:00	Loc ID: FMCS	Duration: 24.0 hr
		End Date: 2022-01-06 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		750.6	mmHg	
Particulate Matter	0.042	5.625	µg/m ³	V0
Lithium	0.000016	0.000168	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.673012	µg/m ³	V0
Magnesium	0.000279	0.153532	µg/m ³	V0
Aluminum	0.002800	0.130502	µg/m ³	V0
Silicon	0.010200	0.250811	µg/m ³	V0
Phosphorus	0.003480	0.081540	µg/m ³	V0
Potassium	0.000402	0.057894	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.005115	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.002335	µg/m ³	V0
Manganese	0.000028	0.001250	µg/m ³	V0
Iron	0.001585	0.079202	µg/m ³	V0
Cobalt	0.000005	0.000116	µg/m ³	V0
Nickel	0.000015	0.001119	µg/m ³	V0
Copper	0.000027	0.000682	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000070	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000164	µg/m ³	V0
Strontium	0.000012	0.000907	µg/m ³	V0
Niobium	0.000006	0.000697	µg/m ³	V0
Molybdenum	0.000025	0.000322	µg/m ³	V0
Palladium	0.000050	0.000185	µg/m ³	V0
Silver	0.000006	0.000058	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000108	µg/m ³	V0
Antimony	0.000016	0.000129	µg/m ³	V0
Cesium	0.000004	0.000024	µg/m ³	V0
Barium	0.000054	0.001037	µg/m ³	V0
Lanthanum	0.000004	0.000057	µg/m ³	V0
Cerium	0.000013	0.000121	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000062	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.003468	µg/m ³	V0
Tungsten	0.000005	0.002941	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000107	µg/m ³	V0
Lead	0.000018	0.000197	µg/m ³	V0
Bismuth	0.000004	0.000052	µg/m ³	V0
Thorium	0.000002	0.000036	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00
		Set Index:	1
		WBEA ID:	220100032
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-33.0	°C	
Pressure		751.1	mmHg	
Particulate Matter	0.042	8.583	µg/m ³	V0
Lithium	0.000016	0.000148	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.835445	µg/m ³	V0
Magnesium	0.000279	0.182487	µg/m ³	V0
Aluminum	0.002800	0.126847	µg/m ³	V0
Silicon	0.010200	0.288199	µg/m ³	V0
Phosphorus	0.003480	0.058285	µg/m ³	V0
Potassium	0.000402	0.067852	µg/m ³	V0
Calcium	0.013042	0.036289	µg/m ³	V0
Titanium	0.000031	0.005071	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001035	µg/m ³	V0
Manganese	0.000028	0.001489	µg/m ³	V0
Iron	0.001585	0.081479	µg/m ³	V0
Cobalt	0.000005	0.000089	µg/m ³	V0
Nickel	0.000015	0.000327	µg/m ³	V0
Copper	0.000027	0.000520	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000171	µg/m ³	V0
Strontium	0.000012	0.001166	µg/m ³	V0
Niobium	0.000006	0.000133	µg/m ³	V0
Molybdenum	0.000025	0.000163	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000088	µg/m ³	V0
Antimony	0.000016	0.000083	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001588	µg/m ³	V0
Lanthanum	0.000004	0.000064	µg/m ³	V0
Cerium	0.000013	0.000153	µg/m ³	V0
Praseodymium	0.000002	0.000016	µg/m ³	V0
Neodymium	0.000005	0.000064	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000659	µg/m ³	V0
Tungsten	0.000005	0.000182	µg/m ³	V0
Platinum	0.000004	0.000036	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000345	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000022	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100044
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		726.4	mmHg	
Particulate Matter	0.042	5.458	µg/m ³	V0
Lithium	0.000016	0.000026	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.641165	µg/m ³	V0
Magnesium	0.000279	0.133435	µg/m ³	V0
Aluminum	0.002800	0.016163	µg/m ³	V0
Silicon	0.010200	0.014633	µg/m ³	V0
Phosphorus	0.003480	0.059729	µg/m ³	V0
Potassium	0.000402	0.052263	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001062	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001253	µg/m ³	V0
Manganese	0.000028	0.000388	µg/m ³	V0
Iron	0.001585	0.020808	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000452	µg/m ³	V0
Copper	0.000027	0.000286	µg/m ³	V0
Zinc	0.000149	0.000904	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000072	µg/m ³	V0
Strontium	0.000012	0.000725	µg/m ³	V0
Niobium	0.000006	0.000136	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000048	µg/m ³	V0
Antimony	0.000016	0.000145	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000355	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000836	µg/m ³	V0
Tungsten	0.000005	0.000161	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000479	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100062
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		728.2	mmHg	
Particulate Matter	0.042	5.500	µg/m ³	V0
Lithium	0.000016	0.000030	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.806075	µg/m ³	V0
Magnesium	0.000279	0.163991	µg/m ³	V0
Aluminum	0.002800	0.027972	µg/m ³	V0
Silicon	0.010200	0.014015	µg/m ³	V0
Phosphorus	0.003480	0.062169	µg/m ³	V0
Potassium	0.000402	0.037379	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001578	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000991	µg/m ³	V0
Manganese	0.000028	0.000353	µg/m ³	V0
Iron	0.001585	0.013865	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000379	µg/m ³	V0
Copper	0.000027	0.000621	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000048	µg/m ³	V0
Strontium	0.000012	0.000835	µg/m ³	V0
Niobium	0.000006	0.000135	µg/m ³	V0
Molybdenum	0.000025	0.000107	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000044	µg/m ³	V0
Antimony	0.000016	0.000113	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000347	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000647	µg/m ³	V0
Tungsten	0.000005	0.000141	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000715	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220100082
Start Date:	2022-01-06 12:05	End Date:	2022-01-06 12:06	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.004922	µg/m ³	V0
Aluminum	0.002800	0.013464	µg/m ³	V0
Silicon	0.010200	0.016150	µg/m ³	V0
Phosphorus	0.003480	0.048302	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000449	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000625	µg/m ³	V0
Manganese	0.000028	0.000175	µg/m ³	V0
Iron	0.001585	0.006079	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000184	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000061	µg/m ³	V0
Molybdenum	0.000025	0.000028	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000030	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000070	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000320	µg/m ³	V0
Tungsten	0.000005	0.000112	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100073
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		727.0	mmHg	
Particulate Matter	0.042	7.875	µg/m ³	V0
Lithium	0.000016	0.000486	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.294178	µg/m ³	V0
Magnesium	0.000279	0.121229	µg/m ³	V0
Aluminum	0.002800	0.381672	µg/m ³	V0
Silicon	0.010200	0.635343	µg/m ³	V0
Phosphorus	0.003480	0.075530	µg/m ³	V0
Potassium	0.000402	0.082093	µg/m ³	V0
Calcium	0.013042	0.041560	µg/m ³	V0
Titanium	0.000031	0.012945	µg/m ³	V0
Vanadium	0.000018	0.000591	µg/m ³	V0
Chromium	0.000045	0.002056	µg/m ³	V0
Manganese	0.000028	0.003920	µg/m ³	V0
Iron	0.001585	0.222927	µg/m ³	V0
Cobalt	0.000005	0.000235	µg/m ³	V0
Nickel	0.000015	0.000965	µg/m ³	V0
Copper	0.000027	0.001081	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000420	µg/m ³	V0
Strontium	0.000012	0.000958	µg/m ³	V0
Niobium	0.000006	0.000212	µg/m ³	V0
Molybdenum	0.000025	0.000258	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000126	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	0.000026	µg/m ³	V0
Barium	0.000054	0.002533	µg/m ³	V0
Lanthanum	0.000004	0.000177	µg/m ³	V0
Cerium	0.000013	0.000380	µg/m ³	V0
Praseodymium	0.000002	0.000045	µg/m ³	V0
Neodymium	0.000005	0.000175	µg/m ³	V0
Samarium	0.000006	0.000035	µg/m ³	V0
Tantalum	0.000003	0.000771	µg/m ³	V0
Tungsten	0.000005	0.000455	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000499	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000071	µg/m ³	V0
Uranium	0.000003	0.000017	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220100076
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		731.0	mmHg	
Particulate Matter	0.042	11.083	µg/m ³	V0
Lithium	0.000016	0.000635	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.301189	µg/m ³	V0
Magnesium	0.000279	0.119358	µg/m ³	V0
Aluminum	0.002800	0.536504	µg/m ³	V0
Silicon	0.010200	0.914956	µg/m ³	V0
Phosphorus	0.003480	0.074338	µg/m ³	V0
Potassium	0.000402	0.113676	µg/m ³	V0
Calcium	0.013042	0.112106	µg/m ³	V0
Titanium	0.000031	0.018594	µg/m ³	V0
Vanadium	0.000018	0.001232	µg/m ³	V0
Chromium	0.000045	0.002485	µg/m ³	V0
Manganese	0.000028	0.007122	µg/m ³	V0
Iron	0.001585	0.350894	µg/m ³	V0
Cobalt	0.000005	0.000294	µg/m ³	V0
Nickel	0.000015	0.000980	µg/m ³	V0
Copper	0.000027	0.000628	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000575	µg/m ³	V0
Strontium	0.000012	0.001281	µg/m ³	V0
Niobium	0.000006	0.000202	µg/m ³	V0
Molybdenum	0.000025	0.000302	µg/m ³	V0
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000090	µg/m ³	V0
Antimony	0.000016	0.000071	µg/m ³	V0
Cesium	0.000004	0.000036	µg/m ³	V0
Barium	0.000054	0.003687	µg/m ³	V0
Lanthanum	0.000004	0.000260	µg/m ³	V0
Cerium	0.000013	0.000598	µg/m ³	V0
Praseodymium	0.000002	0.000069	µg/m ³	V0
Neodymium	0.000005	0.000268	µg/m ³	V0
Samarium	0.000006	0.000053	µg/m ³	V0
Tantalum	0.000003	0.000746	µg/m ³	V0
Tungsten	0.000005	0.000367	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000559	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000103	µg/m ³	V0
Uranium	0.000003	0.000026	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100086
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		731.9	mmHg	
Particulate Matter	0.042	16.667	µg/m ³	V0
Lithium	0.000016	0.001108	µg/m ³	V0
Beryllium	0.000013	0.000030	µg/m ³	V0
Sodium	0.000777	0.321875	µg/m ³	V0
Magnesium	0.000279	0.168719	µg/m ³	V0
Aluminum	0.002800	0.885228	µg/m ³	V0
Silicon	0.010200	0.437532	µg/m ³	V0
Phosphorus	0.003480	0.052881	µg/m ³	V0
Potassium	0.000402	0.194696	µg/m ³	V0
Calcium	0.013042	0.189434	µg/m ³	V0
Titanium	0.000031	0.028692	µg/m ³	V0
Vanadium	0.000018	0.002673	µg/m ³	V0
Chromium	0.000045	0.001773	µg/m ³	V0
Manganese	0.000028	0.010479	µg/m ³	V0
Iron	0.001585	0.544251	µg/m ³	V0
Cobalt	0.000005	0.000497	µg/m ³	V0
Nickel	0.000015	0.001110	µg/m ³	V0
Copper	0.000027	0.000896	µg/m ³	V0
Zinc	0.000149	0.003997	µg/m ³	V0
Arsenic	0.000005	0.000056	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001040	µg/m ³	V0
Strontium	0.000012	0.002055	µg/m ³	V0
Niobium	0.000006	0.000127	µg/m ³	V0
Molybdenum	0.000025	0.000372	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000116	µg/m ³	V0
Antimony	0.000016	0.000045	µg/m ³	V0
Cesium	0.000004	0.000061	µg/m ³	V0
Barium	0.000054	0.006874	µg/m ³	V0
Lanthanum	0.000004	0.000468	µg/m ³	V0
Cerium	0.000013	0.001035	µg/m ³	V0
Praseodymium	0.000002	0.000124	µg/m ³	V0
Neodymium	0.000005	0.000475	µg/m ³	V0
Samarium	0.000006	0.000092	µg/m ³	V0
Tantalum	0.000003	0.000190	µg/m ³	V0
Tungsten	0.000005	0.000347	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000742	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000175	µg/m ³	V0
Uranium	0.000003	0.000037	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100104
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.8	°C	
Pressure		705.4	mmHg	
Particulate Matter	0.042	6.042	µg/m ³	V0
Lithium	0.000016	0.000030	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.215762	µg/m ³	V0
Magnesium	0.000279	0.052259	µg/m ³	V0
Aluminum	0.002800	0.031236	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.045526	µg/m ³	V0
Potassium	0.000402	0.034274	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001074	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000899	µg/m ³	V0
Manganese	0.000028	0.000504	µg/m ³	V0
Iron	0.001585	0.015697	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000451	µg/m ³	V0
Copper	0.000027	0.000853	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000005	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000085	µg/m ³	V0
Strontium	0.000012	0.000231	µg/m ³	V0
Niobium	0.000006	0.000060	µg/m ³	V0
Molybdenum	0.000025	0.000109	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000044	µg/m ³	V0
Tin	0.000008	0.000090	µg/m ³	V0
Antimony	0.000016	0.000071	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000482	µg/m ³	V0
Lanthanum	0.000004	0.000081	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000275	µg/m ³	V0
Tungsten	0.000005	0.000090	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000517	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100108
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		720.0	mmHg	
Particulate Matter	0.042	5.833	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.198458	µg/m ³	V0
Magnesium	0.000279	0.057646	µg/m ³	V0
Aluminum	0.002800	0.037461	µg/m ³	V0
Silicon	0.010200	0.024946	µg/m ³	V0
Phosphorus	0.003480	0.054114	µg/m ³	V0
Potassium	0.000402	0.008156	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001660	µg/m ³	V0
Vanadium	0.000018	0.000143	µg/m ³	V0
Chromium	0.000045	0.001976	µg/m ³	V0
Manganese	0.000028	0.000760	µg/m ³	V0
Iron	0.001585	0.036779	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000367	µg/m ³	V0
Copper	0.000027	0.000234	µg/m ³	V0
Zinc	0.000149	0.000556	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000045	µg/m ³	V0
Strontium	0.000012	0.000225	µg/m ³	V0
Niobium	0.000006	0.000073	µg/m ³	V0
Molybdenum	0.000025	0.000296	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000076	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000542	µg/m ³	V0
Lanthanum	0.000004	0.000025	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000419	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000318	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100117
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		709.2	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.221217	µg/m ³	V0
Magnesium	0.000279	0.055337	µg/m ³	V0
Aluminum	0.002800	0.040183	µg/m ³	V0
Silicon	0.010200	0.052937	µg/m ³	V0
Phosphorus	0.003480	0.056788	µg/m ³	V0
Potassium	0.000402	0.022596	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001427	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000744	µg/m ³	V0
Manganese	0.000028	0.000592	µg/m ³	V0
Iron	0.001585	0.022083	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000317	µg/m ³	V0
Copper	0.000027	0.000264	µg/m ³	V0
Zinc	0.000149	0.001576	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000059	µg/m ³	V0
Strontium	0.000012	0.000252	µg/m ³	V0
Niobium	0.000006	0.000118	µg/m ³	V0
Molybdenum	0.000025	0.000113	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000037	µg/m ³	V0
Tin	0.000008	0.000101	µg/m ³	V0
Antimony	0.000016	0.000093	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000446	µg/m ³	V0
Lanthanum	0.000004	0.000082	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000674	µg/m ³	V0
Tungsten	0.000005	0.000128	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000470	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100121
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		711.3	mmHg	
Particulate Matter	0.042	4.875	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.218639	µg/m ³	V0
Magnesium	0.000279	0.058562	µg/m ³	V0
Aluminum	0.002800	0.050728	µg/m ³	V0
Silicon	0.010200	0.056068	µg/m ³	V0
Phosphorus	0.003480	0.057925	µg/m ³	V0
Potassium	0.000402	0.015955	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001720	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001266	µg/m ³	V0
Manganese	0.000028	0.000845	µg/m ³	V0
Iron	0.001585	0.030746	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000326	µg/m ³	V0
Copper	0.000027	0.000232	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000061	µg/m ³	V0
Strontium	0.000012	0.000277	µg/m ³	V0
Niobium	0.000006	0.000099	µg/m ³	V0
Molybdenum	0.000025	0.000154	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000074	µg/m ³	V0
Antimony	0.000016	0.000060	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000474	µg/m ³	V0
Lanthanum	0.000004	0.000073	µg/m ³	V0
Cerium	0.000013	0.000038	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000020	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000615	µg/m ³	V0
Tungsten	0.000005	0.000108	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000357	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100129
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		735.4	mmHg	
Particulate Matter	0.042	11.792	µg/m ³	V0
Lithium	0.000016	0.000264	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.277866	µg/m ³	V0
Magnesium	0.000279	0.121070	µg/m ³	V0
Aluminum	0.002800	0.239151	µg/m ³	V0
Silicon	0.010200	0.121131	µg/m ³	V0
Phosphorus	0.003480	0.056978	µg/m ³	V0
Potassium	0.000402	0.176512	µg/m ³	V0
Calcium	0.013042	0.466491	µg/m ³	V0
Titanium	0.000031	0.008606	µg/m ³	V0
Vanadium	0.000018	0.002018	µg/m ³	V0
Chromium	0.000045	0.002044	µg/m ³	V0
Manganese	0.000028	0.009132	µg/m ³	V0
Iron	0.001585	0.216222	µg/m ³	V0
Cobalt	0.000005	0.000159	µg/m ³	V0
Nickel	0.000015	0.001082	µg/m ³	V0
Copper	0.000027	0.000825	µg/m ³	V0
Zinc	0.000149	0.008682	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000514	µg/m ³	V0
Strontium	0.000012	0.001799	µg/m ³	V0
Niobium	0.000006	0.000075	µg/m ³	V0
Molybdenum	0.000025	0.000509	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000124	µg/m ³	V0
Antimony	0.000016	0.000103	µg/m ³	V0
Cesium	0.000004	0.000020	µg/m ³	V0
Barium	0.000054	0.004868	µg/m ³	V0
Lanthanum	0.000004	0.000150	µg/m ³	V0
Cerium	0.000013	0.000300	µg/m ³	V0
Praseodymium	0.000002	0.000033	µg/m ³	V0
Neodymium	0.000005	0.000133	µg/m ³	V0
Samarium	0.000006	0.000027	µg/m ³	V0
Tantalum	0.000003	0.000297	µg/m ³	V0
Tungsten	0.000005	0.000235	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000405	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000049	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220100178
Start Date:	2022-01-14 11:50	End Date:	2022-01-14 11:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000041	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.006376	µg/m ³	V0
Aluminum	0.002800	0.017561	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.059432	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000313	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000922	µg/m ³	V0
Manganese	0.000028	0.000159	µg/m ³	V0
Iron	0.001585	0.006448	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.001998	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000244	µg/m ³	V0
Molybdenum	0.000025	0.000121	µg/m ³	V0
Palladium	0.000050	0.000144	µg/m ³	V0
Silver	0.000006	0.000669	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000069	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001106	µg/m ³	V0
Tungsten	0.000005	0.000412	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000056	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100137
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		727.9	mmHg	
Particulate Matter	0.042	5.375	µg/m ³	V0
Lithium	0.000016	0.000278	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.051499	µg/m ³	V0
Magnesium	0.000279	0.056416	µg/m ³	V0
Aluminum	0.002800	0.195598	µg/m ³	V0
Silicon	0.010200	0.405858	µg/m ³	V0
Phosphorus	0.003480	0.073634	µg/m ³	V0
Potassium	0.000402	0.040236	µg/m ³	V0
Calcium	0.013042	0.021049	µg/m ³	V0
Titanium	0.000031	0.007931	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001067	µg/m ³	V0
Manganese	0.000028	0.002392	µg/m ³	V0
Iron	0.001585	0.134568	µg/m ³	V0
Cobalt	0.000005	0.000142	µg/m ³	V0
Nickel	0.000015	0.000842	µg/m ³	V0
Copper	0.000027	0.000449	µg/m ³	V0
Zinc	0.000149	0.000498	µg/m ³	V0
Arsenic	0.000005	0.000236	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000237	µg/m ³	V0
Strontium	0.000012	0.000507	µg/m ³	V0
Niobium	0.000006	0.000265	µg/m ³	V0
Molybdenum	0.000025	0.000145	µg/m ³	V0
Palladium	0.000050	0.000088	µg/m ³	V0
Silver	0.000006	0.000028	µg/m ³	V0
Cadmium	0.000011	0.000037	µg/m ³	V0
Tin	0.000008	0.000063	µg/m ³	V0
Antimony	0.000016	0.000084	µg/m ³	V0
Cesium	0.000004	0.000020	µg/m ³	V0
Barium	0.000054	0.001631	µg/m ³	V0
Lanthanum	0.000004	0.000081	µg/m ³	V0
Cerium	0.000013	0.000180	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000085	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000858	µg/m ³	V0
Tungsten	0.000005	0.000483	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000025	µg/m ³	V0
Lead	0.000018	0.001829	µg/m ³	V0
Bismuth	0.000004	0.000039	µg/m ³	V0
Thorium	0.000002	0.000032	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220100143
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	11.375	µg/m ³	V0
Lithium	0.000016	0.000749	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.101238	µg/m ³	V0
Magnesium	0.000279	0.121090	µg/m ³	V0
Aluminum	0.002800	0.643418	µg/m ³	V0
Silicon	0.010200	0.946057	µg/m ³	V0
Phosphorus	0.003480	0.080985	µg/m ³	V0
Potassium	0.000402	0.136272	µg/m ³	V0
Calcium	0.013042	0.125509	µg/m ³	V0
Titanium	0.000031	0.022676	µg/m ³	V0
Vanadium	0.000018	0.001623	µg/m ³	V0
Chromium	0.000045	0.001912	µg/m ³	V0
Manganese	0.000028	0.006032	µg/m ³	V0
Iron	0.001585	0.364363	µg/m ³	V0
Cobalt	0.000005	0.000370	µg/m ³	V0
Nickel	0.000015	0.000847	µg/m ³	V0
Copper	0.000027	0.000937	µg/m ³	V0
Zinc	0.000149	0.005199	µg/m ³	V0
Arsenic	0.000005	0.000349	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000712	µg/m ³	V0
Strontium	0.000012	0.001437	µg/m ³	V0
Niobium	0.000006	0.000252	µg/m ³	V0
Molybdenum	0.000025	0.001636	µg/m ³	V0
Palladium	0.000050	0.000091	µg/m ³	V0
Silver	0.000006	0.000027	µg/m ³	V0
Cadmium	0.000011	0.000049	µg/m ³	V0
Tin	0.000008	0.000114	µg/m ³	V0
Antimony	0.000016	0.000080	µg/m ³	V0
Cesium	0.000004	0.000047	µg/m ³	V0
Barium	0.000054	0.004655	µg/m ³	V0
Lanthanum	0.000004	0.000289	µg/m ³	V0
Cerium	0.000013	0.000653	µg/m ³	V0
Praseodymium	0.000002	0.000080	µg/m ³	V0
Neodymium	0.000005	0.000319	µg/m ³	V0
Samarium	0.000006	0.000062	µg/m ³	V0
Tantalum	0.000003	0.000677	µg/m ³	V0
Tungsten	0.000005	0.000489	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.002221	µg/m ³	V0
Bismuth	0.000004	0.000046	µg/m ³	V0
Thorium	0.000002	0.000126	µg/m ³	V0
Uranium	0.000003	0.000035	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100146
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		704.7	mmHg	
Particulate Matter	0.042	1.833	µg/m ³	V0
Lithium	0.000016	0.000043	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017730	µg/m ³	V0
Magnesium	0.000279	0.015946	µg/m ³	V0
Aluminum	0.002800	0.031808	µg/m ³	V0
Silicon	0.010200	0.030008	µg/m ³	V0
Phosphorus	0.003480	0.070856	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001034	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001041	µg/m ³	V0
Manganese	0.000028	0.000481	µg/m ³	V0
Iron	0.001585	0.022359	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.001594	µg/m ³	V0
Copper	0.000027	0.015566	µg/m ³	V4
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000022	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000027	µg/m ³	V0
Strontium	0.000012	0.000070	µg/m ³	V0
Niobium	0.000006	0.000121	µg/m ³	V0
Molybdenum	0.000025	0.000192	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000077	µg/m ³	V0
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000352	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000674	µg/m ³	V0
Tungsten	0.000005	0.000132	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000989	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100154
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		708.6	mmHg	
Particulate Matter	0.042	1.875	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.026919	µg/m ³	V0
Magnesium	0.000279	0.019813	µg/m ³	V0
Aluminum	0.002800	0.031149	µg/m ³	V0
Silicon	0.010200	0.028070	µg/m ³	V0
Phosphorus	0.003480	0.073142	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000940	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000913	µg/m ³	V0
Manganese	0.000028	0.001563	µg/m ³	V0
Iron	0.001585	0.155774	µg/m ³	V0
Cobalt	0.000005	0.000065	µg/m ³	V0
Nickel	0.000015	0.002164	µg/m ³	V0
Copper	0.000027	0.000739	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000084	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000034	µg/m ³	V0
Strontium	0.000012	0.000087	µg/m ³	V0
Niobium	0.000006	0.000147	µg/m ³	V0
Molybdenum	0.000025	0.000157	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000295	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000728	µg/m ³	V0
Tungsten	0.000005	0.000150	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.001137	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100165	
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		732.3	mmHg	
Particulate Matter	0.042	13.083	µg/m ³	V0
Lithium	0.000016	0.000950	µg/m ³	V0
Beryllium	0.000013	0.000033	µg/m ³	V0
Sodium	0.000777	0.091556	µg/m ³	V0
Magnesium	0.000279	0.131466	µg/m ³	V0
Aluminum	0.002800	0.744635	µg/m ³	V0
Silicon	0.010200	0.506623	µg/m ³	V0
Phosphorus	0.003480	0.054140	µg/m ³	V0
Potassium	0.000402	0.169269	µg/m ³	V0
Calcium	0.013042	0.185557	µg/m ³	V0
Titanium	0.000031	0.026168	µg/m ³	V0
Vanadium	0.000018	0.002048	µg/m ³	V0
Chromium	0.000045	0.002310	µg/m ³	V0
Manganese	0.000028	0.008146	µg/m ³	V0
Iron	0.001585	0.492055	µg/m ³	V0
Cobalt	0.000005	0.000424	µg/m ³	V0
Nickel	0.000015	0.003201	µg/m ³	V0
Copper	0.000027	0.001064	µg/m ³	V0
Zinc	0.000149	0.006759	µg/m ³	V0
Arsenic	0.000005	0.000419	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000861	µg/m ³	V0
Strontium	0.000012	0.001743	µg/m ³	V0
Niobium	0.000006	0.000175	µg/m ³	V0
Molybdenum	0.000025	0.000390	µg/m ³	V0
Palladium	0.000050	0.000104	µg/m ³	V0
Silver	0.000006	0.000033	µg/m ³	V0
Cadmium	0.000011	0.000054	µg/m ³	V0
Tin	0.000008	0.000175	µg/m ³	V0
Antimony	0.000016	0.000074	µg/m ³	V0
Cesium	0.000004	0.000058	µg/m ³	V0
Barium	0.000054	0.006216	µg/m ³	V0
Lanthanum	0.000004	0.000376	µg/m ³	V0
Cerium	0.000013	0.000847	µg/m ³	V0
Praseodymium	0.000002	0.000105	µg/m ³	V0
Neodymium	0.000005	0.000404	µg/m ³	V0
Samarium	0.000006	0.000079	µg/m ³	V0
Tantalum	0.000003	0.000411	µg/m ³	V0
Tungsten	0.000005	0.000581	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000029	µg/m ³	V0
Lead	0.000018	0.002277	µg/m ³	V0
Bismuth	0.000004	0.000041	µg/m ³	V0
Thorium	0.000002	0.000145	µg/m ³	V0
Uranium	0.000003	0.000036	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100180
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		720.3	mmHg	
Particulate Matter	0.042	6.333	µg/m ³	V0
Lithium	0.000016	0.000280	µg/m ³	V0
Beryllium	0.000013	0.000033	µg/m ³	V0
Sodium	0.000777	0.067362	µg/m ³	V0
Magnesium	0.000279	0.064127	µg/m ³	V0
Aluminum	0.002800	0.165171	µg/m ³	V0
Silicon	0.010200	0.301236	µg/m ³	V0
Phosphorus	0.003480	0.065800	µg/m ³	V0
Potassium	0.000402	0.044441	µg/m ³	V0
Calcium	0.013042	0.050260	µg/m ³	V0
Titanium	0.000031	0.005408	µg/m ³	V0
Vanadium	0.000018	0.001967	µg/m ³	V0
Chromium	0.000045	0.001477	µg/m ³	V0
Manganese	0.000028	0.002304	µg/m ³	V0
Iron	0.001585	0.103050	µg/m ³	V0
Cobalt	0.000005	0.000159	µg/m ³	V0
Nickel	0.000015	0.002367	µg/m ³	V0
Copper	0.000027	0.001506	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000639	µg/m ³	V0
Selenium	0.000133	0.000325	µg/m ³	V0
Rubidium	0.000003	0.000272	µg/m ³	V0
Strontium	0.000012	0.000595	µg/m ³	V0
Niobium	0.000006	0.000701	µg/m ³	V0
Molybdenum	0.000025	0.000508	µg/m ³	V0
Palladium	0.000050	0.000388	µg/m ³	V0
Silver	0.000006	0.000114	µg/m ³	V0
Cadmium	0.000011	0.000088	µg/m ³	V0
Tin	0.000008	0.000238	µg/m ³	V0
Antimony	0.000016	0.000276	µg/m ³	V0
Cesium	0.000004	0.000065	µg/m ³	V0
Barium	0.000054	0.002048	µg/m ³	V0
Lanthanum	0.000004	0.000124	µg/m ³	V0
Cerium	0.000013	0.000232	µg/m ³	V0
Praseodymium	0.000002	0.000057	µg/m ³	V0
Neodymium	0.000005	0.000119	µg/m ³	V0
Samarium	0.000006	0.000047	µg/m ³	V0
Tantalum	0.000003	0.004691	µg/m ³	V0
Tungsten	0.000005	0.002098	µg/m ³	V0
Platinum	0.000004	0.000037	µg/m ³	V0
Thallium	0.000005	0.000280	µg/m ³	V0
Lead	0.000018	0.001907	µg/m ³	V0
Bismuth	0.000004	0.000124	µg/m ³	V0
Thorium	0.000002	0.000075	µg/m ³	V0
Uranium	0.000003	0.000033	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00
		Set Index:	1
		WBEA ID:	220100188
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		711.3	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.041199	µg/m ³	V0
Magnesium	0.000279	0.031581	µg/m ³	V0
Aluminum	0.002800	0.077250	µg/m ³	V0
Silicon	0.010200	0.105074	µg/m ³	V0
Phosphorus	0.003480	0.065457	µg/m ³	V0
Potassium	0.000402	0.020901	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.002211	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001802	µg/m ³	V0
Manganese	0.000028	0.001654	µg/m ³	V0
Iron	0.001585	0.047810	µg/m ³	V0
Cobalt	0.000005	0.000058	µg/m ³	V0
Nickel	0.000015	0.001870	µg/m ³	V0
Copper	0.000027	0.000498	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000679	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000090	µg/m ³	V0
Strontium	0.000012	0.000233	µg/m ³	V0
Niobium	0.000006	0.000150	µg/m ³	V0
Molybdenum	0.000025	0.000182	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	0.000068	µg/m ³	V0
Tin	0.000008	0.000127	µg/m ³	V0
Antimony	0.000016	0.000180	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000675	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000057	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000030	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000770	µg/m ³	V0
Tungsten	0.000005	0.000188	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.001569	µg/m ³	V0
Bismuth	0.000004	0.000058	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100196
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	4.750	µg/m ³	V0
Lithium	0.000016	0.000158	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.065526	µg/m ³	V0
Magnesium	0.000279	0.056462	µg/m ³	V0
Aluminum	0.002800	0.125052	µg/m ³	V0
Silicon	0.010200	0.173088	µg/m ³	V0
Phosphorus	0.003480	0.054775	µg/m ³	V0
Potassium	0.000402	0.040825	µg/m ³	V0
Calcium	0.013042	0.142248	µg/m ³	V0
Titanium	0.000031	0.004364	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001554	µg/m ³	V0
Manganese	0.000028	0.002735	µg/m ³	V0
Iron	0.001585	0.101280	µg/m ³	V0
Cobalt	0.000005	0.000100	µg/m ³	V0
Nickel	0.000015	0.001970	µg/m ³	V0
Copper	0.000027	0.000468	µg/m ³	V0
Zinc	0.000149	0.000446	µg/m ³	V0
Arsenic	0.000005	0.000261	µg/m ³	V0
Selenium	0.000133	0.000144	µg/m ³	V0
Rubidium	0.000003	0.000193	µg/m ³	V0
Strontium	0.000012	0.000630	µg/m ³	V0
Niobium	0.000006	0.000168	µg/m ³	V0
Molybdenum	0.000025	0.000198	µg/m ³	V0
Palladium	0.000050	0.000089	µg/m ³	V0
Silver	0.000006	0.000042	µg/m ³	V0
Cadmium	0.000011	0.000047	µg/m ³	V0
Tin	0.000008	0.000123	µg/m ³	V0
Antimony	0.000016	0.000102	µg/m ³	V0
Cesium	0.000004	0.000015	µg/m ³	V0
Barium	0.000054	0.001480	µg/m ³	V0
Lanthanum	0.000004	0.000068	µg/m ³	V0
Cerium	0.000013	0.000145	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000071	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000669	µg/m ³	V0
Tungsten	0.000005	0.000356	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000031	µg/m ³	V0
Lead	0.000018	0.001739	µg/m ³	V0
Bismuth	0.000004	0.000040	µg/m ³	V0
Thorium	0.000002	0.000027	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220100244
Start Date:	2022-01-20 13:23	End Date:	2022-01-20 13:23	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.004532	µg/m ³	V0
Aluminum	0.002800	0.015271	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.079419	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000458	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001109	µg/m ³	V0
Manganese	0.000028	0.000263	µg/m ³	V0
Iron	0.001585	0.013048	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000394	µg/m ³	V0
Copper	0.000027	0.006846	µg/m ³	V0
Zinc	0.000149	0.000308	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000076	µg/m ³	V0
Molybdenum	0.000025	0.000512	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000047	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000063	µg/m ³	V0
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000335	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000023	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220100204
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	5.458	µg/m ³	V0
Lithium	0.000016	0.000232	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.033699	µg/m ³	V0
Magnesium	0.000279	0.053035	µg/m ³	V0
Aluminum	0.002800	0.210313	µg/m ³	V0
Silicon	0.010200	0.270297	µg/m ³	V0
Phosphorus	0.003480	0.068446	µg/m ³	V0
Potassium	0.000402	0.041166	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.007424	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001494	µg/m ³	V0
Manganese	0.000028	0.002928	µg/m ³	V0
Iron	0.001585	0.162077	µg/m ³	V0
Cobalt	0.000005	0.000159	µg/m ³	V0
Nickel	0.000015	0.000702	µg/m ³	V0
Copper	0.000027	0.000431	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000008	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000250	µg/m ³	V0
Strontium	0.000012	0.000463	µg/m ³	V0
Niobium	0.000006	0.000093	µg/m ³	V0
Molybdenum	0.000025	0.000217	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000055	µg/m ³	V0
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	0.000015	µg/m ³	V0
Barium	0.000054	0.001755	µg/m ³	V0
Lanthanum	0.000004	0.000109	µg/m ³	V0
Cerium	0.000013	0.000234	µg/m ³	V0
Praseodymium	0.000002	0.000029	µg/m ³	V0
Neodymium	0.000005	0.000113	µg/m ³	V0
Samarium	0.000006	0.000022	µg/m ³	V0
Tantalum	0.000003	0.000435	µg/m ³	V0
Tungsten	0.000005	0.000185	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000912	µg/m ³	V0
Bismuth	0.000004	0.000026	µg/m ³	V0
Thorium	0.000002	0.000041	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100211
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		729.5	mmHg	
Particulate Matter	0.042	4.792	µg/m ³	V0
Lithium	0.000016	0.000179	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035573	µg/m ³	V0
Magnesium	0.000279	0.041623	µg/m ³	V0
Aluminum	0.002800	0.174403	µg/m ³	V0
Silicon	0.010200	0.340412	µg/m ³	V0
Phosphorus	0.003480	0.079118	µg/m ³	V0
Potassium	0.000402	0.032411	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.006260	µg/m ³	V0
Vanadium	0.000018	0.000056	µg/m ³	V0
Chromium	0.000045	0.001735	µg/m ³	V0
Manganese	0.000028	0.002325	µg/m ³	V0
Iron	0.001585	0.136636	µg/m ³	V0
Cobalt	0.000005	0.000142	µg/m ³	V0
Nickel	0.000015	0.000687	µg/m ³	V0
Copper	0.000027	0.000527	µg/m ³	V0
Zinc	0.000149	0.000248	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000200	µg/m ³	V0
Strontium	0.000012	0.000341	µg/m ³	V0
Niobium	0.000006	0.000134	µg/m ³	V0
Molybdenum	0.000025	0.000264	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000050	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.001375	µg/m ³	V0
Lanthanum	0.000004	0.000082	µg/m ³	V0
Cerium	0.000013	0.000183	µg/m ³	V0
Praseodymium	0.000002	0.000023	µg/m ³	V0
Neodymium	0.000005	0.000087	µg/m ³	V0
Samarium	0.000006	0.000018	µg/m ³	V0
Tantalum	0.000003	0.000733	µg/m ³	V0
Tungsten	0.000005	0.000206	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000864	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220100214
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		733.4	mmHg	
Particulate Matter	0.042	9.333	µg/m ³	V0
Lithium	0.000016	0.000598	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.038570	µg/m ³	V0
Magnesium	0.000279	0.103026	µg/m ³	V0
Aluminum	0.002800	0.500523	µg/m ³	V0
Silicon	0.010200	0.578466	µg/m ³	V0
Phosphorus	0.003480	0.077004	µg/m ³	V0
Potassium	0.000402	0.106897	µg/m ³	V0
Calcium	0.013042	0.101171	µg/m ³	V0
Titanium	0.000031	0.017207	µg/m ³	V0
Vanadium	0.000018	0.000921	µg/m ³	V0
Chromium	0.000045	0.001872	µg/m ³	V0
Manganese	0.000028	0.004852	µg/m ³	V0
Iron	0.001585	0.268847	µg/m ³	V0
Cobalt	0.000005	0.000291	µg/m ³	V0
Nickel	0.000015	0.000992	µg/m ³	V0
Copper	0.000027	0.000531	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000029	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000539	µg/m ³	V0
Strontium	0.000012	0.000909	µg/m ³	V0
Niobium	0.000006	0.000131	µg/m ³	V0
Molybdenum	0.000025	0.000301	µg/m ³	V0
Palladium	0.000050	0.000050	µg/m ³	V0
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000070	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	0.000033	µg/m ³	V0
Barium	0.000054	0.003626	µg/m ³	V0
Lanthanum	0.000004	0.000270	µg/m ³	V0
Cerium	0.000013	0.000617	µg/m ³	V0
Praseodymium	0.000002	0.000066	µg/m ³	V0
Neodymium	0.000005	0.000249	µg/m ³	V0
Samarium	0.000006	0.000050	µg/m ³	V0
Tantalum	0.000003	0.000430	µg/m ³	V0
Tungsten	0.000005	0.000223	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000956	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000091	µg/m ³	V0
Uranium	0.000003	0.000024	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100227	
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		733.8	mmHg	
Particulate Matter	0.042	10.750	µg/m ³	V0
Lithium	0.000016	0.000651	µg/m ³	V0
Beryllium	0.000013	0.000023	µg/m ³	V0
Sodium	0.000777	0.046264	µg/m ³	V0
Magnesium	0.000279	0.120546	µg/m ³	V0
Aluminum	0.002800	0.739920	µg/m ³	V0
Silicon	0.010200	0.679126	µg/m ³	V0
Phosphorus	0.003480	0.079273	µg/m ³	V0
Potassium	0.000402	0.127860	µg/m ³	V0
Calcium	0.013042	0.104373	µg/m ³	V0
Titanium	0.000031	0.018893	µg/m ³	V0
Vanadium	0.000018	0.001380	µg/m ³	V0
Chromium	0.000045	0.002256	µg/m ³	V0
Manganese	0.000028	0.005324	µg/m ³	V0
Iron	0.001585	0.319712	µg/m ³	V0
Cobalt	0.000005	0.000329	µg/m ³	V0
Nickel	0.000015	0.000881	µg/m ³	V0
Copper	0.000027	0.001048	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000112	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000627	µg/m ³	V0
Strontium	0.000012	0.001090	µg/m ³	V0
Niobium	0.000006	0.000161	µg/m ³	V0
Molybdenum	0.000025	0.000279	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	0.000022	µg/m ³	V0
Tin	0.000008	0.000094	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	0.000038	µg/m ³	V0
Barium	0.000054	0.004443	µg/m ³	V0
Lanthanum	0.000004	0.000277	µg/m ³	V0
Cerium	0.000013	0.000635	µg/m ³	V0
Praseodymium	0.000002	0.000075	µg/m ³	V0
Neodymium	0.000005	0.000295	µg/m ³	V0
Samarium	0.000006	0.000058	µg/m ³	V0
Tantalum	0.000003	0.000397	µg/m ³	V0
Tungsten	0.000005	0.000254	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.001374	µg/m ³	V0
Bismuth	0.000004	0.000030	µg/m ³	V0
Thorium	0.000002	0.000109	µg/m ³	V0
Uranium	0.000003	0.000026	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100233
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.6	°C	
Pressure		711.3	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002023	µg/m ³	V0
Magnesium	0.000279	0.010077	µg/m ³	V0
Aluminum	0.002800	0.029167	µg/m ³	V0
Silicon	0.010200	0.018287	µg/m ³	V0
Phosphorus	0.003480	0.072006	µg/m ³	V0
Potassium	0.000402	0.020238	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001235	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000922	µg/m ³	V0
Manganese	0.000028	0.000684	µg/m ³	V0
Iron	0.001585	0.017992	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000339	µg/m ³	V0
Copper	0.000027	0.000194	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000074	µg/m ³	V0
Strontium	0.000012	0.000037	µg/m ³	V0
Niobium	0.000006	0.000178	µg/m ³	V0
Molybdenum	0.000025	0.000121	µg/m ³	V0
Palladium	0.000050	0.000057	µg/m ³	V0
Silver	0.000006	0.000020	µg/m ³	V0
Cadmium	0.000011	0.000032	µg/m ³	V0
Tin	0.000008	0.000059	µg/m ³	V0
Antimony	0.000016	0.000053	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000245	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000499	µg/m ³	V0
Tungsten	0.000005	0.000236	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000418	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100236
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		723.4	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Lithium	0.000016	0.000127	µg/m ³	V0
Beryllium	0.000013	0.000023	µg/m ³	V0
Sodium	0.000777	0.038556	µg/m ³	V0
Magnesium	0.000279	0.022948	µg/m ³	V0
Aluminum	0.002800	0.073383	µg/m ³	V0
Silicon	0.010200	0.058435	µg/m ³	V0
Phosphorus	0.003480	0.068930	µg/m ³	V0
Potassium	0.000402	0.022063	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.002503	µg/m ³	V0
Vanadium	0.000018	0.001498	µg/m ³	V0
Chromium	0.000045	0.000786	µg/m ³	V0
Manganese	0.000028	0.001252	µg/m ³	V0
Iron	0.001585	0.037244	µg/m ³	V0
Cobalt	0.000005	0.000075	µg/m ³	V0
Nickel	0.000015	0.000857	µg/m ³	V0
Copper	0.000027	0.000687	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000271	µg/m ³	V0
Selenium	0.000133	0.000238	µg/m ³	V0
Rubidium	0.000003	0.000127	µg/m ³	V0
Strontium	0.000012	0.000174	µg/m ³	V0
Niobium	0.000006	0.000579	µg/m ³	V0
Molybdenum	0.000025	0.000472	µg/m ³	V0
Palladium	0.000050	0.000401	µg/m ³	V0
Silver	0.000006	0.000097	µg/m ³	V0
Cadmium	0.000011	0.000057	µg/m ³	V0
Tin	0.000008	0.000134	µg/m ³	V0
Antimony	0.000016	0.000219	µg/m ³	V0
Cesium	0.000004	0.000052	µg/m ³	V0
Barium	0.000054	0.000808	µg/m ³	V0
Lanthanum	0.000004	0.000057	µg/m ³	V0
Cerium	0.000013	0.000098	µg/m ³	V0
Praseodymium	0.000002	0.000033	µg/m ³	V0
Neodymium	0.000005	0.000053	µg/m ³	V0
Samarium	0.000006	0.000031	µg/m ³	V0
Tantalum	0.000003	0.004120	µg/m ³	V0
Tungsten	0.000005	0.002104	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	0.000260	µg/m ³	V0
Lead	0.000018	0.000659	µg/m ³	V0
Bismuth	0.000004	0.000098	µg/m ³	V0
Thorium	0.000002	0.000042	µg/m ³	V0
Uranium	0.000003	0.000024	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00
		Set Index:	1
		WBEA ID:	220100253
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	6.542	µg/m ³	V0
Lithium	0.000016	0.000093	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.042092	µg/m ³	V0
Magnesium	0.000279	0.056537	µg/m ³	V0
Aluminum	0.002800	0.127451	µg/m ³	V0
Silicon	0.010200	0.157265	µg/m ³	V0
Phosphorus	0.003480	0.088068	µg/m ³	V0
Potassium	0.000402	0.124141	µg/m ³	V0
Calcium	0.013042	0.234707	µg/m ³	V0
Titanium	0.000031	0.003893	µg/m ³	V0
Vanadium	0.000018	0.000158	µg/m ³	V0
Chromium	0.000045	0.000972	µg/m ³	V0
Manganese	0.000028	0.006014	µg/m ³	V0
Iron	0.001585	0.090920	µg/m ³	V0
Cobalt	0.000005	0.000086	µg/m ³	V0
Nickel	0.000015	0.000451	µg/m ³	V0
Copper	0.000027	0.000565	µg/m ³	V0
Zinc	0.000149	0.003410	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000377	µg/m ³	V0
Strontium	0.000012	0.000881	µg/m ³	V0
Niobium	0.000006	0.000087	µg/m ³	V0
Molybdenum	0.000025	0.000238	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000029	µg/m ³	V0
Tin	0.000008	0.000084	µg/m ³	V0
Antimony	0.000016	0.000070	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.003051	µg/m ³	V0
Lanthanum	0.000004	0.000059	µg/m ³	V0
Cerium	0.000013	0.000136	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000064	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000395	µg/m ³	V0
Tungsten	0.000005	0.000152	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000683	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000022	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100255
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.8	°C	
Pressure		707.7	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001643	µg/m ³	V0
Magnesium	0.000279	0.009628	µg/m ³	V0
Aluminum	0.002800	0.023884	µg/m ³	V0
Silicon	0.010200	0.014087	µg/m ³	V0
Phosphorus	0.003480	0.094258	µg/m ³	V0
Potassium	0.000402	0.023389	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000985	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000996	µg/m ³	V0
Manganese	0.000028	0.000546	µg/m ³	V0
Iron	0.001585	0.016428	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000332	µg/m ³	V0
Copper	0.000027	0.000141	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000068	µg/m ³	V0
Strontium	0.000012	0.000019	µg/m ³	V0
Niobium	0.000006	0.000131	µg/m ³	V0
Molybdenum	0.000025	0.000100	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000034	µg/m ³	V0
Tin	0.000008	0.000056	µg/m ³	V0
Antimony	0.000016	0.000038	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000230	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000531	µg/m ³	V0
Tungsten	0.000005	0.000144	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000341	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Anzac	Samp Use: Exposure	WBEA ID: 220100263
Start Date:	2022-01-23 00:00	Loc ID: ANZC	Duration: 24.0 hr
		End Date: 2022-01-24 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.8	°C	
Pressure		713.8	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Lithium	0.000016	0.000018	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013897	µg/m ³	V0
Magnesium	0.000279	0.020399	µg/m ³	V0
Aluminum	0.002800	0.061815	µg/m ³	V0
Silicon	0.010200	0.064487	µg/m ³	V0
Phosphorus	0.003480	0.081725	µg/m ³	V0
Potassium	0.000402	0.029086	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.002107	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001239	µg/m ³	V0
Manganese	0.000028	0.001370	µg/m ³	V0
Iron	0.001585	0.040264	µg/m ³	V0
Cobalt	0.000005	0.000052	µg/m ³	V0
Nickel	0.000015	0.000721	µg/m ³	V0
Copper	0.000027	0.000468	µg/m ³	V0
Zinc	0.000149	0.000218	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000109	µg/m ³	V0
Strontium	0.000012	0.000153	µg/m ³	V0
Niobium	0.000006	0.000152	µg/m ³	V0
Molybdenum	0.000025	0.000191	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000028	µg/m ³	V0
Cadmium	0.000011	0.000029	µg/m ³	V0
Tin	0.000008	0.000074	µg/m ³	V0
Antimony	0.000016	0.000053	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000722	µg/m ³	V0
Lanthanum	0.000004	0.000024	µg/m ³	V0
Cerium	0.000013	0.000051	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000024	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000573	µg/m ³	V0
Tungsten	0.000005	0.000238	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000546	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220100321
Start Date:	2022-01-28 12:55	End Date:	2022-01-28 12:56	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001317	µg/m ³	V0
Aluminum	0.002800	0.005378	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.071231	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000306	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000894	µg/m ³	V0
Manganese	0.000028	0.000070	µg/m ³	V0
Iron	0.001585	0.008820	µg/m ³	V0
Cobalt	0.000005	0.000016	µg/m ³	V0
Nickel	0.000015	0.000226	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000112	µg/m ³	V0
Molybdenum	0.000025	0.000088	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000052	µg/m ³	V0
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000560	µg/m ³	V0
Tungsten	0.000005	0.000134	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100273
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.8	°C	
Pressure		708.2	mmHg	
Particulate Matter	0.042	5.292	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.033683	µg/m ³	V0
Magnesium	0.000279	0.012117	µg/m ³	V0
Aluminum	0.002800	0.022502	µg/m ³	V0
Silicon	0.010200	0.058499	µg/m ³	V0
Phosphorus	0.003480	0.089943	µg/m ³	V0
Potassium	0.000402	0.010419	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000694	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000709	µg/m ³	V0
Manganese	0.000028	0.000333	µg/m ³	V0
Iron	0.001585	0.012811	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000219	µg/m ³	V0
Copper	0.000027	0.000091	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000041	µg/m ³	V0
Strontium	0.000012	0.000031	µg/m ³	V0
Niobium	0.000006	0.000127	µg/m ³	V0
Molybdenum	0.000025	0.000068	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000046	µg/m ³	V0
Antimony	0.000016	0.000045	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000337	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000509	µg/m ³	V0
Tungsten	0.000005	0.000142	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000104	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220100276
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		730.9	mmHg	
Particulate Matter	0.042	20.125	µg/m ³	V0
Lithium	0.000016	0.001554	µg/m ³	V0
Beryllium	0.000013	0.000042	µg/m ³	V0
Sodium	0.000777	0.326907	µg/m ³	V0
Magnesium	0.000279	0.207056	µg/m ³	V0
Aluminum	0.002800	1.204101	µg/m ³	V0
Silicon	0.010200	0.321264	µg/m ³	V0
Phosphorus	0.003480	0.078515	µg/m ³	V0
Potassium	0.000402	0.264621	µg/m ³	V0
Calcium	0.013042	0.229970	µg/m ³	V0
Titanium	0.000031	0.034704	µg/m ³	V0
Vanadium	0.000018	0.002789	µg/m ³	V0
Chromium	0.000045	0.003212	µg/m ³	V0
Manganese	0.000028	0.010657	µg/m ³	V0
Iron	0.001585	0.680376	µg/m ³	V0
Cobalt	0.000005	0.000693	µg/m ³	V0
Nickel	0.000015	0.001263	µg/m ³	V0
Copper	0.000027	0.001095	µg/m ³	V0
Zinc	0.000149	0.002921	µg/m ³	V0
Arsenic	0.000005	0.000124	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001319	µg/m ³	V0
Strontium	0.000012	0.002304	µg/m ³	V0
Niobium	0.000006	0.000253	µg/m ³	V0
Molybdenum	0.000025	0.000765	µg/m ³	V0
Palladium	0.000050	0.000362	µg/m ³	V0
Silver	0.000006	0.000065	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000155	µg/m ³	V0
Antimony	0.000016	0.000071	µg/m ³	V0
Cesium	0.000004	0.000088	µg/m ³	V0
Barium	0.000054	0.009161	µg/m ³	V0
Lanthanum	0.000004	0.000550	µg/m ³	V0
Cerium	0.000013	0.001272	µg/m ³	V0
Praseodymium	0.000002	0.000151	µg/m ³	V0
Neodymium	0.000005	0.000614	µg/m ³	V0
Samarium	0.000006	0.000118	µg/m ³	V0
Tantalum	0.000003	0.000390	µg/m ³	V0
Tungsten	0.000005	0.000898	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000065	µg/m ³	V0
Lead	0.000018	0.000694	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000210	µg/m ³	V0
Uranium	0.000003	0.000053	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100283
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.4	°C	
Pressure		711.8	mmHg	
Particulate Matter	0.042	4.250	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.053732	µg/m ³	V0
Magnesium	0.000279	0.019346	µg/m ³	V0
Aluminum	0.002800	0.024389	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.072281	µg/m ³	V0
Potassium	0.000402	0.001698	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000740	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000631	µg/m ³	V0
Manganese	0.000028	0.000362	µg/m ³	V0
Iron	0.001585	0.015447	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000206	µg/m ³	V0
Copper	0.000027	0.000153	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000022	µg/m ³	V0
Strontium	0.000012	0.000043	µg/m ³	V0
Niobium	0.000006	0.000051	µg/m ³	V0
Molybdenum	0.000025	0.000075	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000044	µg/m ³	V0
Antimony	0.000016	0.000048	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000374	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000220	µg/m ³	V0
Tungsten	0.000005	0.000093	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000118	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220100289
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		728.3	mmHg	
Particulate Matter	0.042	14.917	µg/m ³	V0
Lithium	0.000016	0.000982	µg/m ³	V0
Beryllium	0.000013	0.000033	µg/m ³	V0
Sodium	0.000777	0.297516	µg/m ³	V0
Magnesium	0.000279	0.157211	µg/m ³	V0
Aluminum	0.002800	0.848334	µg/m ³	V0
Silicon	0.010200	0.473004	µg/m ³	V0
Phosphorus	0.003480	0.085270	µg/m ³	V0
Potassium	0.000402	0.180977	µg/m ³	V0
Calcium	0.013042	0.149615	µg/m ³	V0
Titanium	0.000031	0.024791	µg/m ³	V0
Vanadium	0.000018	0.002072	µg/m ³	V0
Chromium	0.000045	0.001758	µg/m ³	V0
Manganese	0.000028	0.006451	µg/m ³	V0
Iron	0.001585	0.366016	µg/m ³	V0
Cobalt	0.000005	0.000430	µg/m ³	V0
Nickel	0.000015	0.000876	µg/m ³	V0
Copper	0.000027	0.000499	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000025	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000836	µg/m ³	V0
Strontium	0.000012	0.001639	µg/m ³	V0
Niobium	0.000006	0.000169	µg/m ³	V0
Molybdenum	0.000025	0.000472	µg/m ³	V0
Palladium	0.000050	0.000108	µg/m ³	V0
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000132	µg/m ³	V0
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	0.000050	µg/m ³	V0
Barium	0.000054	0.005976	µg/m ³	V0
Lanthanum	0.000004	0.000385	µg/m ³	V0
Cerium	0.000013	0.000891	µg/m ³	V0
Praseodymium	0.000002	0.000107	µg/m ³	V0
Neodymium	0.000005	0.000429	µg/m ³	V0
Samarium	0.000006	0.000082	µg/m ³	V0
Tantalum	0.000003	0.000222	µg/m ³	V0
Tungsten	0.000005	0.000326	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000630	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000156	µg/m ³	V0
Uranium	0.000003	0.000036	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220100292
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		732.4	mmHg	
Particulate Matter	0.042	15.667	µg/m ³	V0
Lithium	0.000016	0.001318	µg/m ³	V0
Beryllium	0.000013	0.000029	µg/m ³	V0
Sodium	0.000777	0.309058	µg/m ³	V0
Magnesium	0.000279	0.160618	µg/m ³	V0
Aluminum	0.002800	0.862101	µg/m ³	V0
Silicon	0.010200	0.175346	µg/m ³	V0
Phosphorus	0.003480	0.077949	µg/m ³	V0
Potassium	0.000402	0.182172	µg/m ³	V0
Calcium	0.013042	0.262945	µg/m ³	V0
Titanium	0.000031	0.026051	µg/m ³	V0
Vanadium	0.000018	0.002101	µg/m ³	V0
Chromium	0.000045	0.002282	µg/m ³	V0
Manganese	0.000028	0.010429	µg/m ³	V0
Iron	0.001585	0.467591	µg/m ³	V0
Cobalt	0.000005	0.000389	µg/m ³	V0
Nickel	0.000015	0.001291	µg/m ³	V0
Copper	0.000027	0.001416	µg/m ³	V0
Zinc	0.000149	0.002419	µg/m ³	V0
Arsenic	0.000005	0.000024	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000897	µg/m ³	V0
Strontium	0.000012	0.001883	µg/m ³	V0
Niobium	0.000006	0.000208	µg/m ³	V0
Molybdenum	0.000025	0.000574	µg/m ³	V0
Palladium	0.000050	0.000201	µg/m ³	V0
Silver	0.000006	0.000037	µg/m ³	V0
Cadmium	0.000011	0.000039	µg/m ³	V0
Tin	0.000008	0.000127	µg/m ³	V0
Antimony	0.000016	0.000078	µg/m ³	V0
Cesium	0.000004	0.000060	µg/m ³	V0
Barium	0.000054	0.006282	µg/m ³	V0
Lanthanum	0.000004	0.000406	µg/m ³	V0
Cerium	0.000013	0.000934	µg/m ³	V0
Praseodymium	0.000002	0.000110	µg/m ³	V0
Neodymium	0.000005	0.000452	µg/m ³	V0
Samarium	0.000006	0.000083	µg/m ³	V0
Tantalum	0.000003	0.000243	µg/m ³	V0
Tungsten	0.000005	0.000322	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000032	µg/m ³	V0
Lead	0.000018	0.000594	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000149	µg/m ³	V0
Uranium	0.000003	0.000037	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100303	
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	20.583	µg/m ³	V0
Lithium	0.000016	0.001898	µg/m ³	V0
Beryllium	0.000013	0.000044	µg/m ³	V0
Sodium	0.000777	0.330237	µg/m ³	V0
Magnesium	0.000279	0.212018	µg/m ³	V0
Aluminum	0.002800	1.300966	µg/m ³	V0
Silicon	0.010200	0.625044	µg/m ³	V0
Phosphorus	0.003480	0.082321	µg/m ³	V0
Potassium	0.000402	0.260358	µg/m ³	V0
Calcium	0.013042	0.365296	µg/m ³	V0
Titanium	0.000031	0.039755	µg/m ³	V0
Vanadium	0.000018	0.003140	µg/m ³	V0
Chromium	0.000045	0.002146	µg/m ³	V0
Manganese	0.000028	0.010073	µg/m ³	V0
Iron	0.001585	0.516802	µg/m ³	V0
Cobalt	0.000005	0.000534	µg/m ³	V0
Nickel	0.000015	0.001007	µg/m ³	V0
Copper	0.000027	0.000994	µg/m ³	V0
Zinc	0.000149	0.003359	µg/m ³	V0
Arsenic	0.000005	0.000073	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001297	µg/m ³	V0
Strontium	0.000012	0.002580	µg/m ³	V0
Niobium	0.000006	0.000345	µg/m ³	V0
Molybdenum	0.000025	0.000638	µg/m ³	V0
Palladium	0.000050	0.000131	µg/m ³	V0
Silver	0.000006	0.000044	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000211	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	0.000083	µg/m ³	V0
Barium	0.000054	0.008192	µg/m ³	V0
Lanthanum	0.000004	0.000578	µg/m ³	V0
Cerium	0.000013	0.001367	µg/m ³	V0
Praseodymium	0.000002	0.000159	µg/m ³	V0
Neodymium	0.000005	0.000632	µg/m ³	V0
Samarium	0.000006	0.000118	µg/m ³	V0
Tantalum	0.000003	0.000327	µg/m ³	V0
Tungsten	0.000005	0.000401	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	0.000834	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000238	µg/m ³	V0
Uranium	0.000003	0.000053	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100311
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.8	°C	
Pressure		721.6	mmHg	
Particulate Matter	0.042	7.500	µg/m ³	V0
Lithium	0.000016	0.000149	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.213688	µg/m ³	V0
Magnesium	0.000279	0.070930	µg/m ³	V0
Aluminum	0.002800	0.131712	µg/m ³	V0
Silicon	0.010200	0.182110	µg/m ³	V0
Phosphorus	0.003480	0.080035	µg/m ³	V0
Potassium	0.000402	0.083823	µg/m ³	V0
Calcium	0.013042	0.060800	µg/m ³	V0
Titanium	0.000031	0.005234	µg/m ³	V0
Vanadium	0.000018	0.000120	µg/m ³	V0
Chromium	0.000045	0.001410	µg/m ³	V0
Manganese	0.000028	0.003009	µg/m ³	V0
Iron	0.001585	0.106958	µg/m ³	V0
Cobalt	0.000005	0.000095	µg/m ³	V0
Nickel	0.000015	0.000751	µg/m ³	V0
Copper	0.000027	0.001541	µg/m ³	V0
Zinc	0.000149	0.003243	µg/m ³	V0
Arsenic	0.000005	0.000120	µg/m ³	V0
Selenium	0.000133	0.000214	µg/m ³	V0
Rubidium	0.000003	0.000261	µg/m ³	V0
Strontium	0.000012	0.000533	µg/m ³	V0
Niobium	0.000006	0.000634	µg/m ³	V0
Molybdenum	0.000025	0.000429	µg/m ³	V0
Palladium	0.000050	0.000211	µg/m ³	V0
Silver	0.000006	0.000067	µg/m ³	V0
Cadmium	0.000011	0.000052	µg/m ³	V0
Tin	0.000008	0.000421	µg/m ³	V0
Antimony	0.000016	0.000722	µg/m ³	V0
Cesium	0.000004	0.000024	µg/m ³	V0
Barium	0.000054	0.003235	µg/m ³	V0
Lanthanum	0.000004	0.000072	µg/m ³	V0
Cerium	0.000013	0.000179	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000076	µg/m ³	V0
Samarium	0.000006	0.000019	µg/m ³	V0
Tantalum	0.000003	0.002297	µg/m ³	V0
Tungsten	0.000005	0.002317	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000104	µg/m ³	V0
Lead	0.000018	0.000550	µg/m ³	V0
Bismuth	0.000004	0.000063	µg/m ³	V0
Thorium	0.000002	0.000035	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100317
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.2	°C	
Pressure		736.8	mmHg	
Particulate Matter	0.042	6.375	µg/m ³	V0
Lithium	0.000016	0.000064	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.256627	µg/m ³	V0
Magnesium	0.000279	0.058777	µg/m ³	V0
Aluminum	0.002800	0.087891	µg/m ³	V0
Silicon	0.010200	0.160565	µg/m ³	V0
Phosphorus	0.003480	0.082345	µg/m ³	V0
Potassium	0.000402	0.100609	µg/m ³	V0
Calcium	0.013042	0.081508	µg/m ³	V0
Titanium	0.000031	0.004010	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001025	µg/m ³	V0
Manganese	0.000028	0.003994	µg/m ³	V0
Iron	0.001585	0.096920	µg/m ³	V0
Cobalt	0.000005	0.000079	µg/m ³	V0
Nickel	0.000015	0.000569	µg/m ³	V0
Copper	0.000027	0.001274	µg/m ³	V0
Zinc	0.000149	0.006994	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000294	µg/m ³	V0
Strontium	0.000012	0.000536	µg/m ³	V0
Niobium	0.000006	0.000109	µg/m ³	V0
Molybdenum	0.000025	0.000213	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000039	µg/m ³	V0
Tin	0.000008	0.000262	µg/m ³	V0
Antimony	0.000016	0.000341	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.003535	µg/m ³	V0
Lanthanum	0.000004	0.000047	µg/m ³	V0
Cerium	0.000013	0.000115	µg/m ³	V0
Praseodymium	0.000002	0.000013	µg/m ³	V0
Neodymium	0.000005	0.000048	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000633	µg/m ³	V0
Tungsten	0.000005	0.000224	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000596	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00
		Set Index:	1
		WBEA ID:	220100328
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.6	°C	
Pressure		713.7	mmHg	
Particulate Matter	0.042	3.625	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.072450	µg/m ³	V0
Magnesium	0.000279	0.022793	µg/m ³	V0
Aluminum	0.002800	0.020879	µg/m ³	V0
Silicon	0.010200	0.023047	µg/m ³	V0
Phosphorus	0.003480	0.080168	µg/m ³	V0
Potassium	0.000402	0.001537	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000783	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001125	µg/m ³	V0
Manganese	0.000028	0.000439	µg/m ³	V0
Iron	0.001585	0.017225	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000466	µg/m ³	V0
Copper	0.000027	0.000120	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000015	µg/m ³	V0
Strontium	0.000012	0.000052	µg/m ³	V0
Niobium	0.000006	0.000099	µg/m ³	V0
Molybdenum	0.000025	0.000080	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000056	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000251	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000578	µg/m ³	V0
Tungsten	0.000005	0.000139	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000122	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220200405
Start Date:	2022-02-01 13:55	End Date:	2022-02-01 13:56	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Lithium	0.000016	0.000040	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002316	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.024527	µg/m ³	V0
Potassium	0.000402	0.025493	µg/m ³	V0
Calcium	0.013042	0.013245	µg/m ³	V0
Titanium	0.000031	0.000366	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000709	µg/m ³	V0
Manganese	0.000028	0.000110	µg/m ³	V0
Iron	0.001585	0.004310	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000501	µg/m ³	V0
Copper	0.000027	0.000130	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000028	µg/m ³	V0
Niobium	0.000006	0.000053	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000101	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000039	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000305	µg/m ³	V0
Tungsten	0.000005	0.000055	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100370	
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		716.5	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Lithium	0.000016	0.000106	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.146792	µg/m ³	V0
Magnesium	0.000279	0.032439	µg/m ³	V0
Aluminum	0.002800	0.025240	µg/m ³	V0
Silicon	0.010200	0.072747	µg/m ³	V0
Phosphorus	0.003480	0.025268	µg/m ³	V0
Potassium	0.000402	0.038227	µg/m ³	V0
Calcium	0.013042	0.051498	µg/m ³	V0
Titanium	0.000031	0.001258	µg/m ³	V0
Vanadium	0.000018	0.000244	µg/m ³	V0
Chromium	0.000045	0.001265	µg/m ³	V0
Manganese	0.000028	0.000770	µg/m ³	V0
Iron	0.001585	0.018383	µg/m ³	V0
Cobalt	0.000005	0.000063	µg/m ³	V0
Nickel	0.000015	0.000582	µg/m ³	V0
Copper	0.000027	0.000359	µg/m ³	V0
Zinc	0.000149	0.002147	µg/m ³	V0
Arsenic	0.000005	0.000270	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000082	µg/m ³	V0
Strontium	0.000012	0.000301	µg/m ³	V0
Niobium	0.000006	0.000103	µg/m ³	V0
Molybdenum	0.000025	0.000127	µg/m ³	V0
Palladium	0.000050	0.000113	µg/m ³	V0
Silver	0.000006	0.000024	µg/m ³	V0
Cadmium	0.000011	0.000030	µg/m ³	V0
Tin	0.000008	0.000072	µg/m ³	V0
Antimony	0.000016	0.000060	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000423	µg/m ³	V0
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000355	µg/m ³	V0
Tungsten	0.000005	0.000172	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	0.000662	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00
		Set Index:	1
		WBEA ID:	220100375
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		725.0	mmHg	
Particulate Matter	0.042	6.500	µg/m ³	V0
Lithium	0.000016	0.000208	µg/m ³	V0
Beryllium	0.000013	0.000016	µg/m ³	V0
Sodium	0.000777	0.160386	µg/m ³	V0
Magnesium	0.000279	0.041525	µg/m ³	V0
Aluminum	0.002800	0.054941	µg/m ³	V0
Silicon	0.010200	0.208971	µg/m ³	V0
Phosphorus	0.003480	0.022697	µg/m ³	V0
Potassium	0.000402	0.048425	µg/m ³	V0
Calcium	0.013042	0.071319	µg/m ³	V0
Titanium	0.000031	0.003401	µg/m ³	V0
Vanadium	0.000018	0.000906	µg/m ³	V0
Chromium	0.000045	0.001395	µg/m ³	V0
Manganese	0.000028	0.001355	µg/m ³	V0
Iron	0.001585	0.053907	µg/m ³	V0
Cobalt	0.000005	0.000089	µg/m ³	V0
Nickel	0.000015	0.000748	µg/m ³	V0
Copper	0.000027	0.001229	µg/m ³	V0
Zinc	0.000149	0.003844	µg/m ³	V0
Arsenic	0.000005	0.000412	µg/m ³	V0
Selenium	0.000133	0.000186	µg/m ³	V0
Rubidium	0.000003	0.000151	µg/m ³	V0
Strontium	0.000012	0.000450	µg/m ³	V0
Niobium	0.000006	0.000434	µg/m ³	V0
Molybdenum	0.000025	0.000436	µg/m ³	V0
Palladium	0.000050	0.000461	µg/m ³	V0
Silver	0.000006	0.000098	µg/m ³	V0
Cadmium	0.000011	0.000046	µg/m ³	V0
Tin	0.000008	0.000249	µg/m ³	V0
Antimony	0.000016	0.000275	µg/m ³	V0
Cesium	0.000004	0.000029	µg/m ³	V0
Barium	0.000054	0.001512	µg/m ³	V0
Lanthanum	0.000004	0.000042	µg/m ³	V0
Cerium	0.000013	0.000077	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000038	µg/m ³	V0
Samarium	0.000006	0.000018	µg/m ³	V0
Tantalum	0.000003	0.003615	µg/m ³	V0
Tungsten	0.000005	0.001747	µg/m ³	V0
Platinum	0.000004	0.000031	µg/m ³	V0
Thallium	0.000005	0.000223	µg/m ³	V0
Lead	0.000018	0.000717	µg/m ³	V0
Bismuth	0.000004	0.000086	µg/m ³	V0
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100381
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		740.8	mmHg	
Particulate Matter	0.042	5.458	µg/m ³	V0
Lithium	0.000016	0.000143	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.203837	µg/m ³	V0
Magnesium	0.000279	0.045072	µg/m ³	V0
Aluminum	0.002800	0.043365	µg/m ³	V0
Silicon	0.010200	0.155909	µg/m ³	V0
Phosphorus	0.003480	0.026775	µg/m ³	V0
Potassium	0.000402	0.039175	µg/m ³	V0
Calcium	0.013042	0.074843	µg/m ³	V0
Titanium	0.000031	0.002258	µg/m ³	V0
Vanadium	0.000018	0.000393	µg/m ³	V0
Chromium	0.000045	0.000896	µg/m ³	V0
Manganese	0.000028	0.001035	µg/m ³	V0
Iron	0.001585	0.053042	µg/m ³	V0
Cobalt	0.000005	0.000076	µg/m ³	V0
Nickel	0.000015	0.000342	µg/m ³	V0
Copper	0.000027	0.002765	µg/m ³	V0
Zinc	0.000149	0.009069	µg/m ³	V0
Arsenic	0.000005	0.000223	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000096	µg/m ³	V0
Strontium	0.000012	0.000441	µg/m ³	V0
Niobium	0.000006	0.000175	µg/m ³	V0
Molybdenum	0.000025	0.000214	µg/m ³	V0
Palladium	0.000050	0.000181	µg/m ³	V0
Silver	0.000006	0.000039	µg/m ³	V0
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.000146	µg/m ³	V0
Antimony	0.000016	0.000185	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.001707	µg/m ³	V0
Lanthanum	0.000004	0.000027	µg/m ³	V0
Cerium	0.000013	0.000057	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000568	µg/m ³	V0
Tungsten	0.000005	0.000353	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000056	µg/m ³	V0
Lead	0.000018	0.000791	µg/m ³	V0
Bismuth	0.000004	0.000051	µg/m ³	V0
Thorium	0.000002	0.000010	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200411
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		710.7	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Lithium	0.000016	0.000070	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.080393	µg/m ³	V0
Magnesium	0.000279	0.019671	µg/m ³	V0
Aluminum	0.002800	0.014506	µg/m ³	V0
Silicon	0.010200	0.088280	µg/m ³	V0
Phosphorus	0.003480	0.027001	µg/m ³	V0
Potassium	0.000402	0.026230	µg/m ³	V0
Calcium	0.013042	0.043720	µg/m ³	V0
Titanium	0.000031	0.001647	µg/m ³	V0
Vanadium	0.000018	0.000038	µg/m ³	V0
Chromium	0.000045	0.000454	µg/m ³	V0
Manganese	0.000028	0.000441	µg/m ³	V0
Iron	0.001585	0.012500	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000265	µg/m ³	V0
Copper	0.000027	0.000226	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000084	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000050	µg/m ³	V0
Strontium	0.000012	0.000178	µg/m ³	V0
Niobium	0.000006	0.000057	µg/m ³	V0
Molybdenum	0.000025	0.000058	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000078	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000278	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000255	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000366	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200420
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-20.0	°C	
Pressure		714.7	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Lithium	0.000016	0.000058	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.105653	µg/m ³	V0
Magnesium	0.000279	0.023898	µg/m ³	V0
Aluminum	0.002800	0.014467	µg/m ³	V0
Silicon	0.010200	0.021499	µg/m ³	V0
Phosphorus	0.003480	0.020916	µg/m ³	V0
Potassium	0.000402	0.021276	µg/m ³	V0
Calcium	0.013042	0.028051	µg/m ³	V0
Titanium	0.000031	0.000997	µg/m ³	V0
Vanadium	0.000018	0.000139	µg/m ³	V0
Chromium	0.000045	0.001370	µg/m ³	V0
Manganese	0.000028	0.000434	µg/m ³	V0
Iron	0.001585	0.018421	µg/m ³	V0
Cobalt	0.000005	0.000046	µg/m ³	V0
Nickel	0.000015	0.000469	µg/m ³	V0
Copper	0.000027	0.000177	µg/m ³	V0
Zinc	0.000149	0.002865	µg/m ³	V0
Arsenic	0.000005	0.000081	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000048	µg/m ³	V0
Strontium	0.000012	0.000204	µg/m ³	V0
Niobium	0.000006	0.000031	µg/m ³	V0
Molybdenum	0.000025	0.000089	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000048	µg/m ³	V0
Antimony	0.000016	0.000072	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000295	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000142	µg/m ³	V0
Tungsten	0.000005	0.000040	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000490	µg/m ³	V0
Bismuth	0.000004	0.000029	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Hills	Samp Use: Exposure	WBEA ID: 220200426
Start Date:	2022-02-04 00:00	Loc ID: FTHL	Duration: 24.0 hr
		End Date: 2022-02-05 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	14.833	µg/m ³	V0
Lithium	0.000016	0.000468	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.292061	µg/m ³	V0
Magnesium	0.000279	0.107487	µg/m ³	V0
Aluminum	0.002800	0.265651	µg/m ³	V0
Silicon	0.010200	0.667913	µg/m ³	V0
Phosphorus	0.003480	0.027368	µg/m ³	V0
Potassium	0.000402	0.127516	µg/m ³	V0
Calcium	0.013042	0.318595	µg/m ³	V0
Titanium	0.000031	0.013785	µg/m ³	V0
Vanadium	0.000018	0.003722	µg/m ³	V0
Chromium	0.000045	0.001228	µg/m ³	V0
Manganese	0.000028	0.006225	µg/m ³	V0
Iron	0.001585	0.240910	µg/m ³	V0
Cobalt	0.000005	0.000275	µg/m ³	V0
Nickel	0.000015	0.001289	µg/m ³	V0
Copper	0.000027	0.001243	µg/m ³	V0
Zinc	0.000149	0.005211	µg/m ³	V0
Arsenic	0.000005	0.000245	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000526	µg/m ³	V0
Strontium	0.000012	0.001506	µg/m ³	V0
Niobium	0.000006	0.000112	µg/m ³	V0
Molybdenum	0.000025	0.000495	µg/m ³	V0
Palladium	0.000050	0.000086	µg/m ³	V0
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	0.000051	µg/m ³	V0
Tin	0.000008	0.000141	µg/m ³	V0
Antimony	0.000016	0.000336	µg/m ³	V0
Cesium	0.000004	0.000028	µg/m ³	V0
Barium	0.000054	0.003484	µg/m ³	V0
Lanthanum	0.000004	0.000178	µg/m ³	V0
Cerium	0.000013	0.000397	µg/m ³	V0
Praseodymium	0.000002	0.000047	µg/m ³	V0
Neodymium	0.000005	0.000172	µg/m ³	V0
Samarium	0.000006	0.000031	µg/m ³	V0
Tantalum	0.000003	0.000313	µg/m ³	V0
Tungsten	0.000005	0.000417	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.001188	µg/m ³	V0
Bismuth	0.000004	0.000022	µg/m ³	V0
Thorium	0.000002	0.000078	µg/m ³	V0
Uranium	0.000003	0.000016	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220200437
Start Date:	2022-02-04 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-02-05 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	12.000	µg/m ³	V0
Lithium	0.000016	0.000255	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.167826	µg/m ³	V0
Magnesium	0.000279	0.061793	µg/m ³	V0
Aluminum	0.002800	0.147604	µg/m ³	V0
Silicon	0.010200	0.541625	µg/m ³	V0
Phosphorus	0.003480	0.029391	µg/m ³	V0
Potassium	0.000402	0.072767	µg/m ³	V0
Calcium	0.013042	0.149637	µg/m ³	V0
Titanium	0.000031	0.007039	µg/m ³	V0
Vanadium	0.000018	0.001736	µg/m ³	V0
Chromium	0.000045	0.001214	µg/m ³	V0
Manganese	0.000028	0.003682	µg/m ³	V0
Iron	0.001585	0.126154	µg/m ³	V0
Cobalt	0.000005	0.000131	µg/m ³	V0
Nickel	0.000015	0.000889	µg/m ³	V0
Copper	0.000027	0.001368	µg/m ³	V0
Zinc	0.000149	0.006524	µg/m ³	V0
Arsenic	0.000005	0.000156	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000269	µg/m ³	V0
Strontium	0.000012	0.000705	µg/m ³	V0
Niobium	0.000006	0.000066	µg/m ³	V0
Molybdenum	0.000025	0.000304	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000188	µg/m ³	V0
Antimony	0.000016	0.000100	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.001877	µg/m ³	V0
Lanthanum	0.000004	0.000084	µg/m ³	V0
Cerium	0.000013	0.000191	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000084	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000237	µg/m ³	V0
Tungsten	0.000005	0.000151	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000856	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000031	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220200447
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		731.9	mmHg	
Particulate Matter	0.042	8.417	µg/m ³	V0
Lithium	0.000016	0.000315	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.266997	µg/m ³	V0
Magnesium	0.000279	0.071475	µg/m ³	V0
Aluminum	0.002800	0.197397	µg/m ³	V0
Silicon	0.010200	0.479894	µg/m ³	V0
Phosphorus	0.003480	0.072342	µg/m ³	V0
Potassium	0.000402	0.089668	µg/m ³	V0
Calcium	0.013042	0.158059	µg/m ³	V0
Titanium	0.000031	0.009938	µg/m ³	V0
Vanadium	0.000018	0.001949	µg/m ³	V0
Chromium	0.000045	0.001500	µg/m ³	V0
Manganese	0.000028	0.003664	µg/m ³	V0
Iron	0.001585	0.140351	µg/m ³	V0
Cobalt	0.000005	0.000176	µg/m ³	V0
Nickel	0.000015	0.000762	µg/m ³	V0
Copper	0.000027	0.001269	µg/m ³	V0
Zinc	0.000149	0.002745	µg/m ³	V0
Arsenic	0.000005	0.000191	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000307	µg/m ³	V0
Strontium	0.000012	0.000907	µg/m ³	V0
Niobium	0.000006	0.000122	µg/m ³	V0
Molybdenum	0.000025	0.000384	µg/m ³	V0
Palladium	0.000050	0.000060	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000036	µg/m ³	V0
Tin	0.000008	0.000256	µg/m ³	V0
Antimony	0.000016	0.000088	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.002626	µg/m ³	V0
Lanthanum	0.000004	0.000125	µg/m ³	V0
Cerium	0.000013	0.000274	µg/m ³	V0
Praseodymium	0.000002	0.000033	µg/m ³	V0
Neodymium	0.000005	0.000135	µg/m ³	V0
Samarium	0.000006	0.000028	µg/m ³	V0
Tantalum	0.000003	0.000483	µg/m ³	V0
Tungsten	0.000005	0.000234	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000028	µg/m ³	V0
Lead	0.000018	0.001229	µg/m ³	V0
Bismuth	0.000004	0.000096	µg/m ³	V0
Thorium	0.000002	0.000049	µg/m ³	V0
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200450
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	10.875	µg/m ³	V0
Lithium	0.000016	0.000326	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.293125	µg/m ³	V0
Magnesium	0.000279	0.082852	µg/m ³	V0
Aluminum	0.002800	0.181962	µg/m ³	V0
Silicon	0.010200	0.547129	µg/m ³	V0
Phosphorus	0.003480	0.029060	µg/m ³	V0
Potassium	0.000402	0.103325	µg/m ³	V0
Calcium	0.013042	0.216964	µg/m ³	V0
Titanium	0.000031	0.010604	µg/m ³	V0
Vanadium	0.000018	0.004026	µg/m ³	V0
Chromium	0.000045	0.001127	µg/m ³	V0
Manganese	0.000028	0.004350	µg/m ³	V0
Iron	0.001585	0.165405	µg/m ³	V0
Cobalt	0.000005	0.000203	µg/m ³	V0
Nickel	0.000015	0.001212	µg/m ³	V0
Copper	0.000027	0.001165	µg/m ³	V0
Zinc	0.000149	0.007650	µg/m ³	V0
Arsenic	0.000005	0.000215	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000352	µg/m ³	V0
Strontium	0.000012	0.001068	µg/m ³	V0
Niobium	0.000006	0.000122	µg/m ³	V0
Molybdenum	0.000025	0.000452	µg/m ³	V0
Palladium	0.000050	0.000074	µg/m ³	V0
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	0.000046	µg/m ³	V0
Tin	0.000008	0.000173	µg/m ³	V0
Antimony	0.000016	0.000159	µg/m ³	V0
Cesium	0.000004	0.000020	µg/m ³	V0
Barium	0.000054	0.003106	µg/m ³	V0
Lanthanum	0.000004	0.000124	µg/m ³	V0
Cerium	0.000013	0.000279	µg/m ³	V0
Praseodymium	0.000002	0.000032	µg/m ³	V0
Neodymium	0.000005	0.000120	µg/m ³	V0
Samarium	0.000006	0.000021	µg/m ³	V0
Tantalum	0.000003	0.000328	µg/m ³	V0
Tungsten	0.000005	0.000324	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.001147	µg/m ³	V0
Bismuth	0.000004	0.000036	µg/m ³	V0
Thorium	0.000002	0.000042	µg/m ³	V0
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220200478
Start Date:	2022-02-07 15:30	End Date:	2022-02-07 15:31	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000039	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002438	µg/m ³	V0
Magnesium	0.000279	0.001934	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.016843	µg/m ³	V0
Phosphorus	0.003480	0.032583	µg/m ³	V0
Potassium	0.000402	0.009086	µg/m ³	V0
Calcium	0.013042	0.023259	µg/m ³	V0
Titanium	0.000031	0.000509	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000822	µg/m ³	V0
Manganese	0.000028	0.000055	µg/m ³	V0
Iron	0.001585	0.005571	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000267	µg/m ³	V0
Copper	0.000027	0.000142	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000021	µg/m ³	V0
Niobium	0.000006	0.000051	µg/m ³	V0
Molybdenum	0.000025	0.000026	µg/m ³	V0
Palladium	0.000050	0.000162	µg/m ³	V0
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000073	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000309	µg/m ³	V0
Tungsten	0.000005	0.000083	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00
		Set Index:	1
		WBEA ID:	220200454
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.1	°C	
Pressure		709.6	mmHg	
Particulate Matter	0.042	3.292	µg/m ³	V0
Lithium	0.000016	0.000100	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.055487	µg/m ³	V0
Magnesium	0.000279	0.016311	µg/m ³	V0
Aluminum	0.002800	0.053446	µg/m ³	V0
Silicon	0.010200	0.361888	µg/m ³	V0
Phosphorus	0.003480	0.031511	µg/m ³	V0
Potassium	0.000402	0.021863	µg/m ³	V0
Calcium	0.013042	0.068864	µg/m ³	V0
Titanium	0.000031	0.002221	µg/m ³	V0
Vanadium	0.000018	0.000181	µg/m ³	V0
Chromium	0.000045	0.000680	µg/m ³	V0
Manganese	0.000028	0.001518	µg/m ³	V0
Iron	0.001585	0.047433	µg/m ³	V0
Cobalt	0.000005	0.000093	µg/m ³	V0
Nickel	0.000015	0.000445	µg/m ³	V0
Copper	0.000027	0.000239	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000067	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000078	µg/m ³	V0
Strontium	0.000012	0.000219	µg/m ³	V0
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	0.000082	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000045	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000540	µg/m ³	V0
Lanthanum	0.000004	0.000031	µg/m ³	V0
Cerium	0.000013	0.000065	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000032	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000422	µg/m ³	V0
Tungsten	0.000005	0.000123	µg/m ³	V0
Platinum	0.000004	0.000031	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000246	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220200462
Start Date:	2022-02-10 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-02-11 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.4	°C	
Pressure		733.5	mmHg	
Particulate Matter	0.042	12.250	µg/m ³	V0
Lithium	0.000016	0.000426	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.245913	µg/m ³	V0
Magnesium	0.000279	0.113315	µg/m ³	V0
Aluminum	0.002800	0.269793	µg/m ³	V0
Silicon	0.010200	0.727988	µg/m ³	V0
Phosphorus	0.003480	0.030512	µg/m ³	V0
Potassium	0.000402	0.142717	µg/m ³	V0
Calcium	0.013042	1.095114	µg/m ³	V0
Titanium	0.000031	0.012296	µg/m ³	V0
Vanadium	0.000018	0.001312	µg/m ³	V0
Chromium	0.000045	0.001666	µg/m ³	V0
Manganese	0.000028	0.007857	µg/m ³	V0
Iron	0.001585	0.275562	µg/m ³	V0
Cobalt	0.000005	0.000208	µg/m ³	V0
Nickel	0.000015	0.000644	µg/m ³	V0
Copper	0.000027	0.000525	µg/m ³	V0
Zinc	0.000149	0.004663	µg/m ³	V0
Arsenic	0.000005	0.000150	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000589	µg/m ³	V0
Strontium	0.000012	0.002263	µg/m ³	V0
Niobium	0.000006	0.000120	µg/m ³	V0
Molybdenum	0.000025	0.000279	µg/m ³	V0
Palladium	0.000050	0.000068	µg/m ³	V0
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000099	µg/m ³	V0
Antimony	0.000016	0.000091	µg/m ³	V0
Cesium	0.000004	0.000025	µg/m ³	V0
Barium	0.000054	0.003868	µg/m ³	V0
Lanthanum	0.000004	0.000183	µg/m ³	V0
Cerium	0.000013	0.000400	µg/m ³	V0
Praseodymium	0.000002	0.000047	µg/m ³	V0
Neodymium	0.000005	0.000176	µg/m ³	V0
Samarium	0.000006	0.000033	µg/m ³	V0
Tantalum	0.000003	0.000419	µg/m ³	V0
Tungsten	0.000005	0.000215	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000563	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000068	µg/m ³	V0
Uranium	0.000003	0.000025	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200468
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		718.1	mmHg	
Particulate Matter	0.042	8.292	µg/m ³	V0
Lithium	0.000016	0.000221	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.099953	µg/m ³	V0
Magnesium	0.000279	0.057221	µg/m ³	V0
Aluminum	0.002800	0.120840	µg/m ³	V0
Silicon	0.010200	0.563077	µg/m ³	V0
Phosphorus	0.003480	0.027872	µg/m ³	V0
Potassium	0.000402	0.060207	µg/m ³	V0
Calcium	0.013042	0.468039	µg/m ³	V0
Titanium	0.000031	0.006064	µg/m ³	V0
Vanadium	0.000018	0.002613	µg/m ³	V0
Chromium	0.000045	0.001791	µg/m ³	V0
Manganese	0.000028	0.002768	µg/m ³	V0
Iron	0.001585	0.110289	µg/m ³	V0
Cobalt	0.000005	0.000112	µg/m ³	V0
Nickel	0.000015	0.000604	µg/m ³	V0
Copper	0.000027	0.000430	µg/m ³	V0
Zinc	0.000149	0.000989	µg/m ³	V0
Arsenic	0.000005	0.000106	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000234	µg/m ³	V0
Strontium	0.000012	0.000958	µg/m ³	V0
Niobium	0.000006	0.000082	µg/m ³	V0
Molybdenum	0.000025	0.000387	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000022	µg/m ³	V0
Tin	0.000008	0.000090	µg/m ³	V0
Antimony	0.000016	0.000095	µg/m ³	V0
Cesium	0.000004	0.000012	µg/m ³	V0
Barium	0.000054	0.001781	µg/m ³	V0
Lanthanum	0.000004	0.000084	µg/m ³	V0
Cerium	0.000013	0.000187	µg/m ³	V0
Praseodymium	0.000002	0.000021	µg/m ³	V0
Neodymium	0.000005	0.000082	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000365	µg/m ³	V0
Tungsten	0.000005	0.000138	µg/m ³	V0
Platinum	0.000004	0.000036	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000380	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000027	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200474
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.3	°C	
Pressure		704.0	mmHg	
Particulate Matter	0.042	2.042	µg/m ³	V0
Lithium	0.000016	0.000083	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.034148	µg/m ³	V0
Magnesium	0.000279	0.010752	µg/m ³	V0
Aluminum	0.002800	0.017595	µg/m ³	V0
Silicon	0.010200	0.070300	µg/m ³	V0
Phosphorus	0.003480	0.026394	µg/m ³	V0
Potassium	0.000402	0.015550	µg/m ³	V0
Calcium	0.013042	0.031375	µg/m ³	V0
Titanium	0.000031	0.000695	µg/m ³	V0
Vanadium	0.000018	0.000045	µg/m ³	V0
Chromium	0.000045	0.000677	µg/m ³	V0
Manganese	0.000028	0.000292	µg/m ³	V0
Iron	0.001585	0.011505	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000308	µg/m ³	V0
Copper	0.000027	0.000483	µg/m ³	V0
Zinc	0.000149	0.000755	µg/m ³	V0
Arsenic	0.000005	0.000048	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000033	µg/m ³	V0
Strontium	0.000012	0.000100	µg/m ³	V0
Niobium	0.000006	0.000092	µg/m ³	V0
Molybdenum	0.000025	0.000070	µg/m ³	V0
Palladium	0.000050	0.000061	µg/m ³	V0
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000024	µg/m ³	V0
Antimony	0.000016	0.000030	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000138	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000411	µg/m ³	V0
Tungsten	0.000005	0.000133	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000211	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200483
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.0	°C	
Pressure		707.3	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Lithium	0.000016	0.000061	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.040688	µg/m ³	V0
Magnesium	0.000279	0.010806	µg/m ³	V0
Aluminum	0.002800	0.017574	µg/m ³	V0
Silicon	0.010200	0.055350	µg/m ³	V0
Phosphorus	0.003480	0.020724	µg/m ³	V0
Potassium	0.000402	0.012099	µg/m ³	V0
Calcium	0.013042	0.032841	µg/m ³	V0
Titanium	0.000031	0.001071	µg/m ³	V0
Vanadium	0.000018	0.000072	µg/m ³	V0
Chromium	0.000045	0.002674	µg/m ³	V0
Manganese	0.000028	0.000482	µg/m ³	V0
Iron	0.001585	0.031896	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000389	µg/m ³	V0
Copper	0.000027	0.000471	µg/m ³	V0
Zinc	0.000149	0.001798	µg/m ³	V0
Arsenic	0.000005	0.000038	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000033	µg/m ³	V0
Strontium	0.000012	0.000122	µg/m ³	V0
Niobium	0.000006	0.000033	µg/m ³	V0
Molybdenum	0.000025	0.000247	µg/m ³	V0
Palladium	0.000050	0.000156	µg/m ³	V0
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000013	µg/m ³	V0
Antimony	0.000016	0.000037	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000251	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000160	µg/m ³	V0
Tungsten	0.000005	0.000049	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000222	µg/m ³	V0
Bismuth	0.000004	0.000029	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220200490
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		727.3	mmHg	
Particulate Matter	0.042	14.458	µg/m ³	V0
Lithium	0.000016	0.000836	µg/m ³	V0
Beryllium	0.000013	0.000025	µg/m ³	V0
Sodium	0.000777	0.116924	µg/m ³	V0
Magnesium	0.000279	0.143308	µg/m ³	V0
Aluminum	0.002800	0.607640	µg/m ³	V0
Silicon	0.010200	1.743567	µg/m ³	V0
Phosphorus	0.003480	0.031266	µg/m ³	V0
Potassium	0.000402	0.187872	µg/m ³	V0
Calcium	0.013042	0.281604	µg/m ³	V0
Titanium	0.000031	0.027357	µg/m ³	V0
Vanadium	0.000018	0.002763	µg/m ³	V0
Chromium	0.000045	0.001429	µg/m ³	V0
Manganese	0.000028	0.006446	µg/m ³	V0
Iron	0.001585	0.435648	µg/m ³	V0
Cobalt	0.000005	0.000446	µg/m ³	V0
Nickel	0.000015	0.000833	µg/m ³	V0
Copper	0.000027	0.000641	µg/m ³	V0
Zinc	0.000149	0.002188	µg/m ³	V0
Arsenic	0.000005	0.000229	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000913	µg/m ³	V0
Strontium	0.000012	0.001899	µg/m ³	V0
Niobium	0.000006	0.000173	µg/m ³	V0
Molybdenum	0.000025	0.000282	µg/m ³	V0
Palladium	0.000050	0.000141	µg/m ³	V0
Silver	0.000006	0.000027	µg/m ³	V0
Cadmium	0.000011	0.000026	µg/m ³	V0
Tin	0.000008	0.000110	µg/m ³	V0
Antimony	0.000016	0.000072	µg/m ³	V0
Cesium	0.000004	0.000053	µg/m ³	V0
Barium	0.000054	0.005940	µg/m ³	V0
Lanthanum	0.000004	0.000377	µg/m ³	V0
Cerium	0.000013	0.000828	µg/m ³	V0
Praseodymium	0.000002	0.000100	µg/m ³	V0
Neodymium	0.000005	0.000388	µg/m ³	V0
Samarium	0.000006	0.000071	µg/m ³	V0
Tantalum	0.000003	0.000305	µg/m ³	V0
Tungsten	0.000005	0.000309	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000790	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000132	µg/m ³	V0
Uranium	0.000003	0.000037	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200501	
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.3	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	23.750	µg/m ³	V0
Lithium	0.000016	0.001292	µg/m ³	V0
Beryllium	0.000013	0.000035	µg/m ³	V0
Sodium	0.000777	0.100951	µg/m ³	V0
Magnesium	0.000279	0.146550	µg/m ³	V0
Aluminum	0.002800	0.816373	µg/m ³	V0
Silicon	0.010200	2.334516	µg/m ³	V0
Phosphorus	0.003480	0.033602	µg/m ³	V0
Potassium	0.000402	0.229899	µg/m ³	V0
Calcium	0.013042	0.584962	µg/m ³	V0
Titanium	0.000031	0.034933	µg/m ³	V0
Vanadium	0.000018	0.003261	µg/m ³	V0
Chromium	0.000045	0.001808	µg/m ³	V0
Manganese	0.000028	0.010954	µg/m ³	V0
Iron	0.001585	0.607874	µg/m ³	V0
Cobalt	0.000005	0.000521	µg/m ³	V0
Nickel	0.000015	0.001064	µg/m ³	V0
Copper	0.000027	0.000718	µg/m ³	V0
Zinc	0.000149	0.000773	µg/m ³	V0
Arsenic	0.000005	0.000231	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001211	µg/m ³	V0
Strontium	0.000012	0.002687	µg/m ³	V0
Niobium	0.000006	0.000179	µg/m ³	V0
Molybdenum	0.000025	0.000258	µg/m ³	V0
Palladium	0.000050	0.000095	µg/m ³	V0
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	0.000022	µg/m ³	V0
Tin	0.000008	0.000071	µg/m ³	V0
Antimony	0.000016	0.000042	µg/m ³	V0
Cesium	0.000004	0.000066	µg/m ³	V0
Barium	0.000054	0.007721	µg/m ³	V0
Lanthanum	0.000004	0.000503	µg/m ³	V0
Cerium	0.000013	0.001131	µg/m ³	V0
Praseodymium	0.000002	0.000131	µg/m ³	V0
Neodymium	0.000005	0.000520	µg/m ³	V0
Samarium	0.000006	0.000095	µg/m ³	V0
Tantalum	0.000003	0.000319	µg/m ³	V0
Tungsten	0.000005	0.000296	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000729	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000189	µg/m ³	V0
Uranium	0.000003	0.000049	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: **PM10 Metal**
Location: **Ells River**
Start Date: **2022-02-10 00:00**

Deployment Information

Samp Use: **Exposure**
Loc ID: **ELSR**
End Date: **2022-02-11 00:00**

Set Index: **1**
WBEA ID: **220200511**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		725.2	mmHg	
Particulate Matter	0.042	9.083	µg/m ³	V0
Lithium	0.000016	0.000428	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.091220	µg/m ³	V0
Magnesium	0.000279	0.070979	µg/m ³	V0
Aluminum	0.002800	0.297979	µg/m ³	V0
Silicon	0.010200	1.122530	µg/m ³	V0
Phosphorus	0.003480	0.026820	µg/m ³	V0
Potassium	0.000402	0.102106	µg/m ³	V0
Calcium	0.013042	0.119262	µg/m ³	V0
Titanium	0.000031	0.014812	µg/m ³	V0
Vanadium	0.000018	0.001358	µg/m ³	V0
Chromium	0.000045	0.000995	µg/m ³	V0
Manganese	0.000028	0.003684	µg/m ³	V0
Iron	0.001585	0.238007	µg/m ³	V0
Cobalt	0.000005	0.000242	µg/m ³	V0
Nickel	0.000015	0.000470	µg/m ³	V0
Copper	0.000027	0.000511	µg/m ³	V0
Zinc	0.000149	0.001278	µg/m ³	V0
Arsenic	0.000005	0.000145	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000452	µg/m ³	V0
Strontium	0.000012	0.000942	µg/m ³	V0
Niobium	0.000006	0.000105	µg/m ³	V0
Molybdenum	0.000025	0.000140	µg/m ³	V0
Palladium	0.000050	0.000052	µg/m ³	V0
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000038	µg/m ³	V0
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	0.000024	µg/m ³	V0
Barium	0.000054	0.002861	µg/m ³	V0
Lanthanum	0.000004	0.000186	µg/m ³	V0
Cerium	0.000013	0.000404	µg/m ³	V0
Praseodymium	0.000002	0.000047	µg/m ³	V0
Neodymium	0.000005	0.000194	µg/m ³	V0
Samarium	0.000006	0.000035	µg/m ³	V0
Tantalum	0.000003	0.000294	µg/m ³	V0
Tungsten	0.000005	0.000246	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000602	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000065	µg/m ³	V0
Uranium	0.000003	0.000020	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00
		Set Index:	1
		WBEA ID:	220200514
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		728.9	mmHg	
Particulate Matter	0.042	16.833	µg/m ³	V0
Lithium	0.000016	0.000913	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.090197	µg/m ³	V0
Magnesium	0.000279	0.147681	µg/m ³	V0
Aluminum	0.002800	0.593015	µg/m ³	V0
Silicon	0.010200	1.516127	µg/m ³	V0
Phosphorus	0.003480	0.028737	µg/m ³	V0
Potassium	0.000402	0.166285	µg/m ³	V0
Calcium	0.013042	0.492254	µg/m ³	V0
Titanium	0.000031	0.031678	µg/m ³	V0
Vanadium	0.000018	0.002686	µg/m ³	V0
Chromium	0.000045	0.002565	µg/m ³	V0
Manganese	0.000028	0.009442	µg/m ³	V0
Iron	0.001585	0.491493	µg/m ³	V0
Cobalt	0.000005	0.000409	µg/m ³	V0
Nickel	0.000015	0.000803	µg/m ³	V0
Copper	0.000027	0.001048	µg/m ³	V0
Zinc	0.000149	0.003059	µg/m ³	V0
Arsenic	0.000005	0.000182	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000874	µg/m ³	V0
Strontium	0.000012	0.002089	µg/m ³	V0
Niobium	0.000006	0.000171	µg/m ³	V0
Molybdenum	0.000025	0.000267	µg/m ³	V0
Palladium	0.000050	0.000079	µg/m ³	V0
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	0.000022	µg/m ³	V0
Tin	0.000008	0.000055	µg/m ³	V0
Antimony	0.000016	0.000059	µg/m ³	V0
Cesium	0.000004	0.000048	µg/m ³	V0
Barium	0.000054	0.005592	µg/m ³	V0
Lanthanum	0.000004	0.000383	µg/m ³	V0
Cerium	0.000013	0.000856	µg/m ³	V0
Praseodymium	0.000002	0.000100	µg/m ³	V0
Neodymium	0.000005	0.000389	µg/m ³	V0
Samarium	0.000006	0.000075	µg/m ³	V0
Tantalum	0.000003	0.000311	µg/m ³	V0
Tungsten	0.000005	0.000211	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000684	µg/m ³	V0
Bismuth	0.000004	0.000076	µg/m ³	V0
Thorium	0.000002	0.000137	µg/m ³	V0
Uranium	0.000003	0.000039	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220200523
Start Date:	2022-02-11 15:05	End Date:	2022-02-11 15:06	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.000667	µg/m ³	V0
Aluminum	0.002800	0.003362	µg/m ³	V0
Silicon	0.010200	0.036558	µg/m ³	V0
Phosphorus	0.003480	0.023340	µg/m ³	V0
Potassium	0.000402	0.026479	µg/m ³	V0
Calcium	0.013042	0.016760	µg/m ³	V0
Titanium	0.000031	0.000986	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000724	µg/m ³	V0
Manganese	0.000028	0.000147	µg/m ³	V0
Iron	0.001585	0.010160	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000242	µg/m ³	V0
Copper	0.000027	0.000050	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000004	µg/m ³	V0
Strontium	0.000012	0.000025	µg/m ³	V0
Niobium	0.000006	0.000056	µg/m ³	V0
Molybdenum	0.000025	0.000067	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000187	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000311	µg/m ³	V0
Tungsten	0.000005	0.000070	µg/m ³	V0
Platinum	0.000004	0.000031	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220200517
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:12	Duration:	24.2 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87120/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V0
Temperature		-25.0	°C	
Pressure		742.8	mmHg	
Particulate Matter	0.042	10.661	µg/m ³	V0
Lithium	0.000016	0.000213	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.261421	µg/m ³	V0
Magnesium	0.000279	0.062820	µg/m ³	V0
Aluminum	0.002800	0.107103	µg/m ³	V0
Silicon	0.010200	0.343529	µg/m ³	V0
Phosphorus	0.003480	0.024603	µg/m ³	V0
Potassium	0.000402	0.053330	µg/m ³	V0
Calcium	0.013042	0.274431	µg/m ³	V0
Titanium	0.000031	0.006768	µg/m ³	V0
Vanadium	0.000018	0.003404	µg/m ³	V0
Chromium	0.000045	0.001486	µg/m ³	V0
Manganese	0.000028	0.002557	µg/m ³	V0
Iron	0.001585	0.116239	µg/m ³	V0
Cobalt	0.000005	0.000189	µg/m ³	V0
Nickel	0.000015	0.000820	µg/m ³	V0
Copper	0.000027	0.000444	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000259	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000207	µg/m ³	V0
Strontium	0.000012	0.000886	µg/m ³	V0
Niobium	0.000006	0.000476	µg/m ³	V0
Molybdenum	0.000025	0.000520	µg/m ³	V0
Palladium	0.000050	0.000205	µg/m ³	V0
Silver	0.000006	0.000065	µg/m ³	V0
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000098	µg/m ³	V0
Antimony	0.000016	0.000134	µg/m ³	V0
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	0.001460	µg/m ³	V0
Lanthanum	0.000004	0.000080	µg/m ³	V0
Cerium	0.000013	0.000170	µg/m ³	V0
Praseodymium	0.000002	0.000024	µg/m ³	V0
Neodymium	0.000005	0.000081	µg/m ³	V0
Samarium	0.000006	0.000020	µg/m ³	V0
Tantalum	0.000003	0.001723	µg/m ³	V0
Tungsten	0.000005	0.002063	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000082	µg/m ³	V0
Lead	0.000018	0.000560	µg/m ³	V0
Bismuth	0.000004	0.000066	µg/m ³	V0
Thorium	0.000002	0.000042	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200520
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:09	Duration:	24.2 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(86940/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.1	m ³	V0
Temperature		-29.0	°C	
Pressure		742.8	mmHg	
Particulate Matter	0.042	12.780	µg/m ³	V0
Lithium	0.000016	0.000225	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.216923	µg/m ³	V0
Magnesium	0.000279	0.084681	µg/m ³	V0
Aluminum	0.002800	0.137328	µg/m ³	V0
Silicon	0.010200	0.343797	µg/m ³	V0
Phosphorus	0.003480	0.023656	µg/m ³	V0
Potassium	0.000402	0.067007	µg/m ³	V0
Calcium	0.013042	0.409386	µg/m ³	V0
Titanium	0.000031	0.008196	µg/m ³	V0
Vanadium	0.000018	0.007676	µg/m ³	V0
Chromium	0.000045	0.001130	µg/m ³	V0
Manganese	0.000028	0.003394	µg/m ³	V0
Iron	0.001585	0.143180	µg/m ³	V0
Cobalt	0.000005	0.000161	µg/m ³	V0
Nickel	0.000015	0.001293	µg/m ³	V0
Copper	0.000027	0.000507	µg/m ³	V0
Zinc	0.000149	0.004520	µg/m ³	V0
Arsenic	0.000005	0.000166	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000269	µg/m ³	V0
Strontium	0.000012	0.001132	µg/m ³	V0
Niobium	0.000006	0.000078	µg/m ³	V0
Molybdenum	0.000025	0.000765	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000031	µg/m ³	V0
Tin	0.000008	0.000076	µg/m ³	V0
Antimony	0.000016	0.000079	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.001955	µg/m ³	V0
Lanthanum	0.000004	0.000097	µg/m ³	V0
Cerium	0.000013	0.000213	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000098	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000266	µg/m ³	V0
Tungsten	0.000005	0.000226	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000699	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000035	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200531
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:13	Duration:	24.2 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87180/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V0
Temperature		-24.0	°C	
Pressure		745.6	mmHg	
Particulate Matter	0.042	19.463	µg/m ³	V0
Lithium	0.000016	0.000499	µg/m ³	V0
Beryllium	0.000013	0.000033	µg/m ³	V0
Sodium	0.000777	0.296253	µg/m ³	V0
Magnesium	0.000279	0.125427	µg/m ³	V0
Aluminum	0.002800	0.271552	µg/m ³	V0
Silicon	0.010200	0.624569	µg/m ³	V0
Phosphorus	0.003480	0.029329	µg/m ³	V0
Potassium	0.000402	0.113668	µg/m ³	V0
Calcium	0.013042	0.783516	µg/m ³	V0
Titanium	0.000031	0.015947	µg/m ³	V0
Vanadium	0.000018	0.013947	µg/m ³	V0
Chromium	0.000045	0.001522	µg/m ³	V0
Manganese	0.000028	0.006207	µg/m ³	V0
Iron	0.001585	0.260108	µg/m ³	V0
Cobalt	0.000005	0.000323	µg/m ³	V0
Nickel	0.000015	0.002151	µg/m ³	V0
Copper	0.000027	0.000809	µg/m ³	V0
Zinc	0.000149	0.004016	µg/m ³	V0
Arsenic	0.000005	0.000415	µg/m ³	V0
Selenium	0.000133	0.000311	µg/m ³	V0
Rubidium	0.000003	0.000490	µg/m ³	V0
Strontium	0.000012	0.001981	µg/m ³	V0
Niobium	0.000006	0.000507	µg/m ³	V0
Molybdenum	0.000025	0.001548	µg/m ³	V0
Palladium	0.000050	0.000256	µg/m ³	V0
Silver	0.000006	0.000071	µg/m ³	V0
Cadmium	0.000011	0.000044	µg/m ³	V0
Tin	0.000008	0.000182	µg/m ³	V0
Antimony	0.000016	0.000186	µg/m ³	V0
Cesium	0.000004	0.000040	µg/m ³	V0
Barium	0.000054	0.003552	µg/m ³	V0
Lanthanum	0.000004	0.000217	µg/m ³	V0
Cerium	0.000013	0.000465	µg/m ³	V0
Praseodymium	0.000002	0.000061	µg/m ³	V0
Neodymium	0.000005	0.000210	µg/m ³	V0
Samarium	0.000006	0.000046	µg/m ³	V0
Tantalum	0.000003	0.002048	µg/m ³	V0
Tungsten	0.000005	0.002370	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	0.000082	µg/m ³	V0
Lead	0.000018	0.000882	µg/m ³	V0
Bismuth	0.000004	0.000067	µg/m ³	V0
Thorium	0.000002	0.000094	µg/m ³	V0
Uranium	0.000003	0.000041	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00
		Set Index:	1
		WBEA ID:	220200543
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		717.2	mmHg	
Particulate Matter	0.042	5.583	µg/m ³	V0
Lithium	0.000016	0.000073	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.142430	µg/m ³	V0
Magnesium	0.000279	0.012255	µg/m ³	V0
Aluminum	0.002800	0.009178	µg/m ³	V0
Silicon	0.010200	0.057876	µg/m ³	V0
Phosphorus	0.003480	0.024381	µg/m ³	V0
Potassium	0.000402	0.040376	µg/m ³	V0
Calcium	0.013042	0.035650	µg/m ³	V0
Titanium	0.000031	0.000846	µg/m ³	V0
Vanadium	0.000018	0.000325	µg/m ³	V0
Chromium	0.000045	0.002678	µg/m ³	V0
Manganese	0.000028	0.000805	µg/m ³	V0
Iron	0.001585	0.032268	µg/m ³	V0
Cobalt	0.000005	0.000047	µg/m ³	V0
Nickel	0.000015	0.000375	µg/m ³	V0
Copper	0.000027	0.000192	µg/m ³	V0
Zinc	0.000149	0.000907	µg/m ³	V0
Arsenic	0.000005	0.000061	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000105	µg/m ³	V0
Strontium	0.000012	0.000166	µg/m ³	V0
Niobium	0.000006	0.000161	µg/m ³	V0
Molybdenum	0.000025	0.000229	µg/m ³	V0
Palladium	0.000050	0.000129	µg/m ³	V0
Silver	0.000006	0.000053	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000014	µg/m ³	V0
Antimony	0.000016	0.000072	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000555	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000428	µg/m ³	V0
Tungsten	0.000005	0.000243	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000207	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200549
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		720.9	mmHg	
Particulate Matter	0.042	2.625	µg/m ³	V0
Lithium	0.000016	0.000092	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.084238	µg/m ³	V0
Magnesium	0.000279	0.024296	µg/m ³	V0
Aluminum	0.002800	0.012087	µg/m ³	V0
Silicon	0.010200	0.044269	µg/m ³	V0
Phosphorus	0.003480	0.029254	µg/m ³	V0
Potassium	0.000402	0.017144	µg/m ³	V0
Calcium	0.013042	0.035748	µg/m ³	V0
Titanium	0.000031	0.001119	µg/m ³	V0
Vanadium	0.000018	0.000374	µg/m ³	V0
Chromium	0.000045	0.000791	µg/m ³	V0
Manganese	0.000028	0.000416	µg/m ³	V0
Iron	0.001585	0.016001	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000422	µg/m ³	V0
Copper	0.000027	0.000526	µg/m ³	V0
Zinc	0.000149	0.000371	µg/m ³	V0
Arsenic	0.000005	0.000066	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000052	µg/m ³	V0
Strontium	0.000012	0.000206	µg/m ³	V0
Niobium	0.000006	0.000075	µg/m ³	V0
Molybdenum	0.000025	0.000140	µg/m ³	V0
Palladium	0.000050	0.000087	µg/m ³	V0
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000028	µg/m ³	V0
Antimony	0.000016	0.000055	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000384	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000335	µg/m ³	V0
Tungsten	0.000005	0.000088	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000424	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200555
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		722.9	mmHg	
Particulate Matter	0.042	3.792	µg/m ³	V0
Lithium	0.000016	0.000076	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.074175	µg/m ³	V0
Magnesium	0.000279	0.018230	µg/m ³	V0
Aluminum	0.002800	0.009101	µg/m ³	V0
Silicon	0.010200	0.079091	µg/m ³	V0
Phosphorus	0.003480	0.022678	µg/m ³	V0
Potassium	0.000402	0.022642	µg/m ³	V0
Calcium	0.013042	0.039853	µg/m ³	V0
Titanium	0.000031	0.000827	µg/m ³	V0
Vanadium	0.000018	0.000714	µg/m ³	V0
Chromium	0.000045	0.000789	µg/m ³	V0
Manganese	0.000028	0.000691	µg/m ³	V0
Iron	0.001585	0.035178	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000351	µg/m ³	V0
Copper	0.000027	0.000266	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000070	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000053	µg/m ³	V0
Strontium	0.000012	0.000194	µg/m ³	V0
Niobium	0.000006	0.000116	µg/m ³	V0
Molybdenum	0.000025	0.000273	µg/m ³	V0
Palladium	0.000050	0.000082	µg/m ³	V0
Silver	0.000006	0.000024	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000056	µg/m ³	V0
Antimony	0.000016	0.000076	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000647	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000361	µg/m ³	V0
Tungsten	0.000005	0.000161	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000324	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220200564
Start Date:	2022-02-16 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-02-17 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		747.8	mmHg	
Particulate Matter	0.042	9.667	µg/m ³	V0
Lithium	0.000016	0.000187	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.976303	µg/m ³	V0
Magnesium	0.000279	0.090198	µg/m ³	V0
Aluminum	0.002800	0.086395	µg/m ³	V0
Silicon	0.010200	0.231633	µg/m ³	V0
Phosphorus	0.003480	0.035636	µg/m ³	V0
Potassium	0.000402	0.049292	µg/m ³	V0
Calcium	0.013042	0.190070	µg/m ³	V0
Titanium	0.000031	0.006076	µg/m ³	V0
Vanadium	0.000018	0.002873	µg/m ³	V0
Chromium	0.000045	0.001412	µg/m ³	V0
Manganese	0.000028	0.003306	µg/m ³	V0
Iron	0.001585	0.184011	µg/m ³	V0
Cobalt	0.000005	0.000188	µg/m ³	V0
Nickel	0.000015	0.000724	µg/m ³	V0
Copper	0.000027	0.004134	µg/m ³	V0
Zinc	0.000149	0.004535	µg/m ³	V0
Arsenic	0.000005	0.000175	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000129	µg/m ³	V0
Strontium	0.000012	0.000864	µg/m ³	V0
Niobium	0.000006	0.000086	µg/m ³	V0
Molybdenum	0.000025	0.000487	µg/m ³	V0
Palladium	0.000050	0.000145	µg/m ³	V0
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	0.000030	µg/m ³	V0
Tin	0.000008	0.000473	µg/m ³	V0
Antimony	0.000016	0.000576	µg/m ³	V0
Cesium	0.000004	0.000018	µg/m ³	V0
Barium	0.000054	0.006335	µg/m ³	V0
Lanthanum	0.000004	0.000064	µg/m ³	V0
Cerium	0.000013	0.000163	µg/m ³	V0
Praseodymium	0.000002	0.000020	µg/m ³	V0
Neodymium	0.000005	0.000055	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000360	µg/m ³	V0
Tungsten	0.000005	0.000567	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000845	µg/m ³	V0
Bismuth	0.000004	0.000061	µg/m ³	V0
Thorium	0.000002	0.000021	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200570
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-27.0	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	5.958	µg/m ³	V0
Lithium	0.000016	0.000111	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.239357	µg/m ³	V0
Magnesium	0.000279	0.050867	µg/m ³	V0
Aluminum	0.002800	0.034301	µg/m ³	V0
Silicon	0.010200	0.098177	µg/m ³	V0
Phosphorus	0.003480	0.032821	µg/m ³	V0
Potassium	0.000402	0.029705	µg/m ³	V0
Calcium	0.013042	0.075572	µg/m ³	V0
Titanium	0.000031	0.003953	µg/m ³	V0
Vanadium	0.000018	0.003507	µg/m ³	V0
Chromium	0.000045	0.001182	µg/m ³	V0
Manganese	0.000028	0.001224	µg/m ³	V0
Iron	0.001585	0.070319	µg/m ³	V0
Cobalt	0.000005	0.000079	µg/m ³	V0
Nickel	0.000015	0.000730	µg/m ³	V0
Copper	0.000027	0.001523	µg/m ³	V0
Zinc	0.000149	0.001840	µg/m ³	V0
Arsenic	0.000005	0.000169	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000074	µg/m ³	V0
Strontium	0.000012	0.000469	µg/m ³	V0
Niobium	0.000006	0.000076	µg/m ³	V0
Molybdenum	0.000025	0.000546	µg/m ³	V0
Palladium	0.000050	0.000076	µg/m ³	V0
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000026	µg/m ³	V0
Tin	0.000008	0.000245	µg/m ³	V0
Antimony	0.000016	0.000315	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.002761	µg/m ³	V0
Lanthanum	0.000004	0.000031	µg/m ³	V0
Cerium	0.000013	0.000091	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000026	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000314	µg/m ³	V0
Tungsten	0.000005	0.000141	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000668	µg/m ³	V0
Bismuth	0.000004	0.000045	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220200576
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-30.0	°C	
Pressure		740.9	mmHg	
Particulate Matter	0.042	34.625	µg/m ³	V0
Lithium	0.000016	0.001832	µg/m ³	V0
Beryllium	0.000013	0.000061	µg/m ³	V0
Sodium	0.000777	0.348449	µg/m ³	V0
Magnesium	0.000279	0.236944	µg/m ³	V0
Aluminum	0.002800	1.217069	µg/m ³	V0
Silicon	0.010200	0.627593	µg/m ³	V0
Phosphorus	0.003480	0.035233	µg/m ³	V0
Potassium	0.000402	0.421316	µg/m ³	V0
Calcium	0.013042	0.774861	µg/m ³	V0
Titanium	0.000031	0.074114	µg/m ³	V0
Vanadium	0.000018	0.008966	µg/m ³	V0
Chromium	0.000045	0.003016	µg/m ³	V0
Manganese	0.000028	0.020332	µg/m ³	V0
Iron	0.001585	1.142574	µg/m ³	V0
Cobalt	0.000005	0.001068	µg/m ³	V0
Nickel	0.000015	0.002478	µg/m ³	V0
Copper	0.000027	0.001598	µg/m ³	V0
Zinc	0.000149	0.008572	µg/m ³	V0
Arsenic	0.000005	0.000455	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002049	µg/m ³	V0
Strontium	0.000012	0.004614	µg/m ³	V0
Niobium	0.000006	0.000328	µg/m ³	V0
Molybdenum	0.000025	0.000830	µg/m ³	V0
Palladium	0.000050	0.000178	µg/m ³	V0
Silver	0.000006	0.000043	µg/m ³	V0
Cadmium	0.000011	0.000036	µg/m ³	V0
Tin	0.000008	0.000173	µg/m ³	V0
Antimony	0.000016	0.000337	µg/m ³	V0
Cesium	0.000004	0.000105	µg/m ³	V0
Barium	0.000054	0.013913	µg/m ³	V0
Lanthanum	0.000004	0.000885	µg/m ³	V0
Cerium	0.000013	0.002005	µg/m ³	V0
Praseodymium	0.000002	0.000238	µg/m ³	V0
Neodymium	0.000005	0.000929	µg/m ³	V0
Samarium	0.000006	0.000170	µg/m ³	V0
Tantalum	0.000003	0.000184	µg/m ³	V0
Tungsten	0.000005	0.001055	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000034	µg/m ³	V0
Lead	0.000018	0.001441	µg/m ³	V0
Bismuth	0.000004	0.000041	µg/m ³	V0
Thorium	0.000002	0.000319	µg/m ³	V0
Uranium	0.000003	0.000084	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220200583
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		748.4	mmHg	
Particulate Matter	0.042	37.667	µg/m ³	V0
Lithium	0.000016	0.002467	µg/m ³	V0
Beryllium	0.000013	0.000059	µg/m ³	V0
Sodium	0.000777	0.327610	µg/m ³	V0
Magnesium	0.000279	0.275015	µg/m ³	V0
Aluminum	0.002800	1.627461	µg/m ³	V0
Silicon	0.010200	1.830007	µg/m ³	V0
Phosphorus	0.003480	0.039739	µg/m ³	V0
Potassium	0.000402	0.447147	µg/m ³	V0
Calcium	0.013042	1.583986	µg/m ³	V0
Titanium	0.000031	0.078204	µg/m ³	V0
Vanadium	0.000018	0.008406	µg/m ³	V0
Chromium	0.000045	0.003872	µg/m ³	V0
Manganese	0.000028	0.027419	µg/m ³	V0
Iron	0.001585	1.158754	µg/m ³	V0
Cobalt	0.000005	0.001061	µg/m ³	V0
Nickel	0.000015	0.002566	µg/m ³	V0
Copper	0.000027	0.011167	µg/m ³	V4
Zinc	0.000149	0.014007	µg/m ³	V0
Arsenic	0.000005	0.000463	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002433	µg/m ³	V0
Strontium	0.000012	0.006044	µg/m ³	V0
Niobium	0.000006	0.000396	µg/m ³	V0
Molybdenum	0.000025	0.001479	µg/m ³	V0
Palladium	0.000050	0.000252	µg/m ³	V0
Silver	0.000006	0.000053	µg/m ³	V0
Cadmium	0.000011	0.000048	µg/m ³	V0
Tin	0.000008	0.000200	µg/m ³	V0
Antimony	0.000016	0.000348	µg/m ³	V0
Cesium	0.000004	0.000131	µg/m ³	V0
Barium	0.000054	0.015021	µg/m ³	V0
Lanthanum	0.000004	0.001069	µg/m ³	V0
Cerium	0.000013	0.002406	µg/m ³	V0
Praseodymium	0.000002	0.000276	µg/m ³	V0
Neodymium	0.000005	0.001100	µg/m ³	V0
Samarium	0.000006	0.000193	µg/m ³	V0
Tantalum	0.000003	0.000367	µg/m ³	V0
Tungsten	0.000005	0.000848	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000033	µg/m ³	V0
Lead	0.000018	0.002022	µg/m ³	V0
Bismuth	0.000004	0.000106	µg/m ³	V0
Thorium	0.000002	0.000416	µg/m ³	V0
Uranium	0.000003	0.000093	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200589
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		725.5	mmHg	
Particulate Matter	0.042	3.750	µg/m ³	V0
Lithium	0.000016	0.000101	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.137107	µg/m ³	V0
Magnesium	0.000279	0.025150	µg/m ³	V0
Aluminum	0.002800	0.042761	µg/m ³	V0
Silicon	0.010200	0.030349	µg/m ³	V0
Phosphorus	0.003480	0.024827	µg/m ³	V0
Potassium	0.000402	0.032233	µg/m ³	V0
Calcium	0.013042	0.057503	µg/m ³	V0
Titanium	0.000031	0.001948	µg/m ³	V0
Vanadium	0.000018	0.000050	µg/m ³	V0
Chromium	0.000045	0.000658	µg/m ³	V0
Manganese	0.000028	0.000800	µg/m ³	V0
Iron	0.001585	0.032375	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000318	µg/m ³	V0
Copper	0.000027	0.000774	µg/m ³	V0
Zinc	0.000149	0.004135	µg/m ³	V0
Arsenic	0.000005	0.000120	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000098	µg/m ³	V0
Strontium	0.000012	0.000313	µg/m ³	V0
Niobium	0.000006	0.000033	µg/m ³	V0
Molybdenum	0.000025	0.000063	µg/m ³	V0
Palladium	0.000050	0.000078	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000049	µg/m ³	V0
Antimony	0.000016	0.000067	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.000835	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000045	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000119	µg/m ³	V0
Tungsten	0.000005	0.000068	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000721	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200595
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		753.3	mmHg	
Particulate Matter	0.042	20.625	µg/m ³	V0
Lithium	0.000016	0.000489	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.435201	µg/m ³	V0
Magnesium	0.000279	0.137497	µg/m ³	V0
Aluminum	0.002800	0.339417	µg/m ³	V0
Silicon	0.010200	0.564218	µg/m ³	V0
Phosphorus	0.003480	0.037438	µg/m ³	V0
Potassium	0.000402	0.167093	µg/m ³	V0
Calcium	0.013042	1.486015	µg/m ³	V0
Titanium	0.000031	0.016455	µg/m ³	V0
Vanadium	0.000018	0.008325	µg/m ³	V0
Chromium	0.000045	0.002382	µg/m ³	V0
Manganese	0.000028	0.009397	µg/m ³	V0
Iron	0.001585	0.332023	µg/m ³	V0
Cobalt	0.000005	0.000371	µg/m ³	V0
Nickel	0.000015	0.002464	µg/m ³	V0
Copper	0.000027	0.001681	µg/m ³	V0
Zinc	0.000149	0.009116	µg/m ³	V0
Arsenic	0.000005	0.000253	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000636	µg/m ³	V0
Strontium	0.000012	0.003215	µg/m ³	V0
Niobium	0.000006	0.000113	µg/m ³	V0
Molybdenum	0.000025	0.000706	µg/m ³	V0
Palladium	0.000050	0.000069	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	0.000045	µg/m ³	V0
Tin	0.000008	0.000182	µg/m ³	V0
Antimony	0.000016	0.001640	µg/m ³	V4
Cesium	0.000004	0.000031	µg/m ³	V0
Barium	0.000054	0.005564	µg/m ³	V0
Lanthanum	0.000004	0.000229	µg/m ³	V0
Cerium	0.000013	0.000521	µg/m ³	V0
Praseodymium	0.000002	0.000058	µg/m ³	V0
Neodymium	0.000005	0.000220	µg/m ³	V0
Samarium	0.000006	0.000042	µg/m ³	V0
Tantalum	0.000003	0.000308	µg/m ³	V0
Tungsten	0.000005	0.000506	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.001339	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000080	µg/m ³	V0
Uranium	0.000003	0.000022	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200609
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		724.7	mmHg	
Particulate Matter	0.042	2.833	µg/m ³	V0
Lithium	0.000016	0.000122	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.117499	µg/m ³	V0
Magnesium	0.000279	0.033160	µg/m ³	V0
Aluminum	0.002800	0.059547	µg/m ³	V0
Silicon	0.010200	0.098924	µg/m ³	V0
Phosphorus	0.003480	0.031338	µg/m ³	V0
Potassium	0.000402	0.026063	µg/m ³	V0
Calcium	0.013042	0.063033	µg/m ³	V0
Titanium	0.000031	0.002669	µg/m ³	V0
Vanadium	0.000018	0.000162	µg/m ³	V0
Chromium	0.000045	0.001525	µg/m ³	V0
Manganese	0.000028	0.000950	µg/m ³	V0
Iron	0.001585	0.040977	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000528	µg/m ³	V0
Copper	0.000027	0.000317	µg/m ³	V0
Zinc	0.000149	0.002015	µg/m ³	V0
Arsenic	0.000005	0.000239	µg/m ³	V0
Selenium	0.000133	0.000141	µg/m ³	V0
Rubidium	0.000003	0.000089	µg/m ³	V0
Strontium	0.000012	0.000357	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000095	µg/m ³	V0
Palladium	0.000050	0.000141	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000048	µg/m ³	V0
Antimony	0.000016	0.000053	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.000586	µg/m ³	V0
Lanthanum	0.000004	0.000029	µg/m ³	V0
Cerium	0.000013	0.000065	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000032	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000499	µg/m ³	V0
Tungsten	0.000005	0.000157	µg/m ³	V0
Platinum	0.000004	0.000030	µg/m ³	V0
Thallium	0.000005	0.000073	µg/m ³	V0
Lead	0.000018	0.000843	µg/m ³	V0
Bismuth	0.000004	0.000058	µg/m ³	V0
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 220200615
Start Date:	2022-02-22 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2022-02-23 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		750.2	mmHg	
Particulate Matter	0.042	8.833	µg/m ³	V0
Lithium	0.000016	0.000434	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.272983	µg/m ³	V0
Magnesium	0.000279	0.082862	µg/m ³	V0
Aluminum	0.002800	0.334490	µg/m ³	V0
Silicon	0.010200	0.692474	µg/m ³	V0
Phosphorus	0.003480	0.063654	µg/m ³	V0
Potassium	0.000402	0.109335	µg/m ³	V0
Calcium	0.013042	0.284854	µg/m ³	V0
Titanium	0.000031	0.014603	µg/m ³	V0
Vanadium	0.000018	0.002793	µg/m ³	V0
Chromium	0.000045	0.000999	µg/m ³	V0
Manganese	0.000028	0.004550	µg/m ³	V0
Iron	0.001585	0.260690	µg/m ³	V0
Cobalt	0.000005	0.000295	µg/m ³	V0
Nickel	0.000015	0.000867	µg/m ³	V0
Copper	0.000027	0.000662	µg/m ³	V0
Zinc	0.000149	0.003094	µg/m ³	V0
Arsenic	0.000005	0.000206	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000493	µg/m ³	V0
Strontium	0.000012	0.001344	µg/m ³	V0
Niobium	0.000006	0.000131	µg/m ³	V0
Molybdenum	0.000025	0.000272	µg/m ³	V0
Palladium	0.000050	0.000066	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000030	µg/m ³	V0
Tin	0.000008	0.000096	µg/m ³	V0
Antimony	0.000016	0.000104	µg/m ³	V0
Cesium	0.000004	0.000031	µg/m ³	V0
Barium	0.000054	0.003895	µg/m ³	V0
Lanthanum	0.000004	0.000181	µg/m ³	V0
Cerium	0.000013	0.000393	µg/m ³	V0
Praseodymium	0.000002	0.000048	µg/m ³	V0
Neodymium	0.000005	0.000196	µg/m ³	V0
Samarium	0.000006	0.000038	µg/m ³	V0
Tantalum	0.000003	0.000560	µg/m ³	V0
Tungsten	0.000005	0.000367	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000027	µg/m ³	V0
Lead	0.000018	0.001149	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000071	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200618
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		750.5	mmHg	
Particulate Matter	0.042	14.833	µg/m ³	V0
Lithium	0.000016	0.000335	µg/m ³	V0
Beryllium	0.000013	0.000017	µg/m ³	V0
Sodium	0.000777	0.352257	µg/m ³	V0
Magnesium	0.000279	0.074624	µg/m ³	V0
Aluminum	0.002800	0.229214	µg/m ³	V0
Silicon	0.010200	0.436747	µg/m ³	V0
Phosphorus	0.003480	0.059333	µg/m ³	V0
Potassium	0.000402	0.108505	µg/m ³	V0
Calcium	0.013042	0.663769	µg/m ³	V0
Titanium	0.000031	0.011557	µg/m ³	V0
Vanadium	0.000018	0.008560	µg/m ³	V0
Chromium	0.000045	0.000986	µg/m ³	V0
Manganese	0.000028	0.005834	µg/m ³	V0
Iron	0.001585	0.209033	µg/m ³	V0
Cobalt	0.000005	0.000278	µg/m ³	V0
Nickel	0.000015	0.001998	µg/m ³	V0
Copper	0.000027	0.001053	µg/m ³	V0
Zinc	0.000149	0.002953	µg/m ³	V0
Arsenic	0.000005	0.000253	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000396	µg/m ³	V0
Strontium	0.000012	0.001740	µg/m ³	V0
Niobium	0.000006	0.000366	µg/m ³	V0
Molybdenum	0.000025	0.000623	µg/m ³	V0
Palladium	0.000050	0.000152	µg/m ³	V0
Silver	0.000006	0.000046	µg/m ³	V0
Cadmium	0.000011	0.000038	µg/m ³	V0
Tin	0.000008	0.000165	µg/m ³	V0
Antimony	0.000016	0.000360	µg/m ³	V0
Cesium	0.000004	0.000031	µg/m ³	V0
Barium	0.000054	0.003243	µg/m ³	V0
Lanthanum	0.000004	0.000148	µg/m ³	V0
Cerium	0.000013	0.000329	µg/m ³	V0
Praseodymium	0.000002	0.000044	µg/m ³	V0
Neodymium	0.000005	0.000152	µg/m ³	V0
Samarium	0.000006	0.000035	µg/m ³	V0
Tantalum	0.000003	0.002702	µg/m ³	V0
Tungsten	0.000005	0.001929	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000068	µg/m ³	V0
Lead	0.000018	0.001114	µg/m ³	V0
Bismuth	0.000004	0.000051	µg/m ³	V0
Thorium	0.000002	0.000068	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200623
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		755.7	mmHg	
Particulate Matter	0.042	8.792	µg/m ³	V0
Lithium	0.000016	0.000137	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.525750	µg/m ³	V0
Magnesium	0.000279	0.047566	µg/m ³	V0
Aluminum	0.002800	0.074574	µg/m ³	V0
Silicon	0.010200	0.268356	µg/m ³	V0
Phosphorus	0.003480	0.032830	µg/m ³	V0
Potassium	0.000402	0.048941	µg/m ³	V0
Calcium	0.013042	0.142031	µg/m ³	V0
Titanium	0.000031	0.005437	µg/m ³	V0
Vanadium	0.000018	0.000490	µg/m ³	V0
Chromium	0.000045	0.001291	µg/m ³	V0
Manganese	0.000028	0.002257	µg/m ³	V0
Iron	0.001585	0.131810	µg/m ³	V0
Cobalt	0.000005	0.000124	µg/m ³	V0
Nickel	0.000015	0.000410	µg/m ³	V0
Copper	0.000027	0.001999	µg/m ³	V0
Zinc	0.000149	0.003391	µg/m ³	V0
Arsenic	0.000005	0.000134	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000135	µg/m ³	V0
Strontium	0.000012	0.000668	µg/m ³	V0
Niobium	0.000006	0.000083	µg/m ³	V0
Molybdenum	0.000025	0.000285	µg/m ³	V0
Palladium	0.000050	0.000109	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	0.000029	µg/m ³	V0
Tin	0.000008	0.000412	µg/m ³	V0
Antimony	0.000016	0.000653	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.005593	µg/m ³	V0
Lanthanum	0.000004	0.000052	µg/m ³	V0
Cerium	0.000013	0.000142	µg/m ³	V0
Praseodymium	0.000002	0.000016	µg/m ³	V0
Neodymium	0.000005	0.000049	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000311	µg/m ³	V0
Tungsten	0.000005	0.000251	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000741	µg/m ³	V0
Bismuth	0.000004	0.000046	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200630
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Lithium	0.000016	0.000073	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.079223	µg/m ³	V0
Magnesium	0.000279	0.024723	µg/m ³	V0
Aluminum	0.002800	0.046384	µg/m ³	V0
Silicon	0.010200	0.102733	µg/m ³	V0
Phosphorus	0.003480	0.027972	µg/m ³	V0
Potassium	0.000402	0.024397	µg/m ³	V0
Calcium	0.013042	0.126358	µg/m ³	V0
Titanium	0.000031	0.002341	µg/m ³	V0
Vanadium	0.000018	0.000119	µg/m ³	V0
Chromium	0.000045	0.000866	µg/m ³	V0
Manganese	0.000028	0.000800	µg/m ³	V0
Iron	0.001585	0.027828	µg/m ³	V0
Cobalt	0.000005	0.000050	µg/m ³	V0
Nickel	0.000015	0.000520	µg/m ³	V0
Copper	0.000027	0.000420	µg/m ³	V0
Zinc	0.000149	0.001088	µg/m ³	V0
Arsenic	0.000005	0.000125	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000078	µg/m ³	V0
Strontium	0.000012	0.000484	µg/m ³	V0
Niobium	0.000006	0.000065	µg/m ³	V0
Molybdenum	0.000025	0.000056	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000036	µg/m ³	V0
Tin	0.000008	0.000054	µg/m ³	V0
Antimony	0.000016	0.000060	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000573	µg/m ³	V0
Lanthanum	0.000004	0.000021	µg/m ³	V0
Cerium	0.000013	0.000044	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000307	µg/m ³	V0
Tungsten	0.000005	0.000076	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000864	µg/m ³	V0
Bismuth	0.000004	0.000035	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220200640
Start Date:	2022-02-22 13:45	End Date:	2022-02-22 13:46	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002047	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	0.011857	µg/m ³	V0
Silicon	0.010200	0.044723	µg/m ³	V0
Phosphorus	0.003480	0.059601	µg/m ³	V0
Potassium	0.000402	0.006844	µg/m ³	V0
Calcium	0.013042	0.032610	µg/m ³	V0
Titanium	0.000031	0.001121	µg/m ³	V0
Vanadium	0.000018	0.000046	µg/m ³	V0
Chromium	0.000045	0.000671	µg/m ³	V0
Manganese	0.000028	0.000149	µg/m ³	V0
Iron	0.001585	0.008516	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000334	µg/m ³	V0
Copper	0.000027	0.000381	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000018	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000039	µg/m ³	V0
Niobium	0.000006	0.000135	µg/m ³	V0
Molybdenum	0.000025	0.000158	µg/m ³	V0
Palladium	0.000050	0.000075	µg/m ³	V0
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000055	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000571	µg/m ³	V0
Tungsten	0.000005	0.000209	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000023	µg/m ³	V0
Lead	0.000018	0.000030	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200652
Start Date:	2022-02-22 14:00	End Date:	2022-02-23 14:00	Duration:	24.0 hr

Notes

Sample ran from 14:00 to 14:00 instead of 00:00 to 00:00 due to filters not arriving in time.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		733.1	mmHg	
Particulate Matter	0.042	5.208	µg/m ³	V0
Lithium	0.000016	0.000103	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.129051	µg/m ³	V0
Magnesium	0.000279	0.030871	µg/m ³	V0
Aluminum	0.002800	0.054309	µg/m ³	V0
Silicon	0.010200	0.122651	µg/m ³	V0
Phosphorus	0.003480	0.074202	µg/m ³	V0
Potassium	0.000402	0.046589	µg/m ³	V0
Calcium	0.013042	0.083726	µg/m ³	V0
Titanium	0.000031	0.004126	µg/m ³	V0
Vanadium	0.000018	0.000452	µg/m ³	V0
Chromium	0.000045	0.001328	µg/m ³	V0
Manganese	0.000028	0.001461	µg/m ³	V0
Iron	0.001585	0.083621	µg/m ³	V0
Cobalt	0.000005	0.000077	µg/m ³	V0
Nickel	0.000015	0.000459	µg/m ³	V0
Copper	0.000027	0.001605	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000127	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000132	µg/m ³	V0
Strontium	0.000012	0.000503	µg/m ³	V0
Niobium	0.000006	0.000116	µg/m ³	V0
Molybdenum	0.000025	0.000283	µg/m ³	V0
Palladium	0.000050	0.000096	µg/m ³	V0
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	0.000032	µg/m ³	V0
Tin	0.000008	0.000402	µg/m ³	V0
Antimony	0.000016	0.000420	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.003969	µg/m ³	V0
Lanthanum	0.000004	0.000076	µg/m ³	V0
Cerium	0.000013	0.000120	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000033	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000519	µg/m ³	V0
Tungsten	0.000005	0.000197	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000882	µg/m ³	V0
Bismuth	0.000004	0.000033	µg/m ³	V0
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220200694
Start Date:	2022-02-24 12:10	End Date:	2022-02-24 12:11	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000074	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001930	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.017046	µg/m ³	V0
Phosphorus	0.003480	0.018442	µg/m ³	V0
Potassium	0.000402	0.025660	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000485	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000468	µg/m ³	V0
Manganese	0.000028	0.000139	µg/m ³	V0
Iron	0.001585	0.004506	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000172	µg/m ³	V0
Copper	0.000027	0.000042	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000019	µg/m ³	V0
Niobium	0.000006	0.000065	µg/m ³	V0
Molybdenum	0.000025	0.000345	µg/m ³	V0
Palladium	0.000050	0.000076	µg/m ³	V0
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000066	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000186	µg/m ³	V0
Tungsten	0.000005	0.000101	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200653
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		738.7	mmHg	
Particulate Matter	0.042	37.125	µg/m ³	V0
Lithium	0.000016	0.002409	µg/m ³	V0
Beryllium	0.000013	0.000066	µg/m ³	V0
Sodium	0.000777	0.194652	µg/m ³	V0
Magnesium	0.000279	0.178421	µg/m ³	V0
Aluminum	0.002800	1.303625	µg/m ³	V0
Silicon	0.010200	2.712946	µg/m ³	V0
Phosphorus	0.003480	0.039126	µg/m ³	V0
Potassium	0.000402	0.404296	µg/m ³	V0
Calcium	0.013042	0.461443	µg/m ³	V0
Titanium	0.000031	0.076933	µg/m ³	V0
Vanadium	0.000018	0.005696	µg/m ³	V0
Chromium	0.000045	0.003913	µg/m ³	V0
Manganese	0.000028	0.017740	µg/m ³	V0
Iron	0.001585	0.933034	µg/m ³	V0
Cobalt	0.000005	0.000937	µg/m ³	V0
Nickel	0.000015	0.001430	µg/m ³	V0
Copper	0.000027	0.001114	µg/m ³	V0
Zinc	0.000149	0.005355	µg/m ³	V0
Arsenic	0.000005	0.000627	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001970	µg/m ³	V0
Strontium	0.000012	0.003939	µg/m ³	V0
Niobium	0.000006	0.000437	µg/m ³	V0
Molybdenum	0.000025	0.000548	µg/m ³	V0
Palladium	0.000050	0.000245	µg/m ³	V0
Silver	0.000006	0.000053	µg/m ³	V0
Cadmium	0.000011	0.000083	µg/m ³	V0
Tin	0.000008	0.000194	µg/m ³	V0
Antimony	0.000016	0.000130	µg/m ³	V0
Cesium	0.000004	0.000122	µg/m ³	V0
Barium	0.000054	0.011593	µg/m ³	V0
Lanthanum	0.000004	0.000792	µg/m ³	V0
Cerium	0.000013	0.001756	µg/m ³	V0
Praseodymium	0.000002	0.000205	µg/m ³	V0
Neodymium	0.000005	0.000783	µg/m ³	V0
Samarium	0.000006	0.000148	µg/m ³	V0
Tantalum	0.000003	0.000527	µg/m ³	V0
Tungsten	0.000005	0.000994	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000079	µg/m ³	V0
Lead	0.000018	0.002320	µg/m ³	V0
Bismuth	0.000004	0.000053	µg/m ³	V0
Thorium	0.000002	0.000302	µg/m ³	V0
Uranium	0.000003	0.000086	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220200662
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		735.9	mmHg	
Particulate Matter	0.042	29.000	µg/m ³	V0
Lithium	0.000016	0.002870	µg/m ³	V0
Beryllium	0.000013	0.000068	µg/m ³	V0
Sodium	0.000777	0.263161	µg/m ³	V0
Magnesium	0.000279	0.287337	µg/m ³	V0
Aluminum	0.002800	2.093753	µg/m ³	V0
Silicon	0.010200	1.167596	µg/m ³	V0
Phosphorus	0.003480	0.068693	µg/m ³	V0
Potassium	0.000402	0.469554	µg/m ³	V0
Calcium	0.013042	0.759195	µg/m ³	V0
Titanium	0.000031	0.087698	µg/m ³	V0
Vanadium	0.000018	0.006600	µg/m ³	V0
Chromium	0.000045	0.002342	µg/m ³	V0
Manganese	0.000028	0.020591	µg/m ³	V0
Iron	0.001585	1.025686	µg/m ³	V0
Cobalt	0.000005	0.001109	µg/m ³	V0
Nickel	0.000015	0.001309	µg/m ³	V0
Copper	0.000027	0.001514	µg/m ³	V0
Zinc	0.000149	0.004903	µg/m ³	V0
Arsenic	0.000005	0.000564	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002490	µg/m ³	V0
Strontium	0.000012	0.005086	µg/m ³	V0
Niobium	0.000006	0.000316	µg/m ³	V0
Molybdenum	0.000025	0.000403	µg/m ³	V0
Palladium	0.000050	0.000206	µg/m ³	V0
Silver	0.000006	0.000033	µg/m ³	V0
Cadmium	0.000011	0.000082	µg/m ³	V0
Tin	0.000008	0.000320	µg/m ³	V0
Antimony	0.000016	0.000126	µg/m ³	V0
Cesium	0.000004	0.000145	µg/m ³	V0
Barium	0.000054	0.014595	µg/m ³	V0
Lanthanum	0.000004	0.001106	µg/m ³	V0
Cerium	0.000013	0.002464	µg/m ³	V0
Praseodymium	0.000002	0.000298	µg/m ³	V0
Neodymium	0.000005	0.001164	µg/m ³	V0
Samarium	0.000006	0.000229	µg/m ³	V0
Tantalum	0.000003	0.000289	µg/m ³	V0
Tungsten	0.000005	0.000774	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000042	µg/m ³	V0
Lead	0.000018	0.003269	µg/m ³	V0
Bismuth	0.000004	0.000054	µg/m ³	V0
Thorium	0.000002	0.000435	µg/m ³	V0
Uranium	0.000003	0.000103	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 220200665
Start Date:	2022-02-28 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2022-03-01 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	10.417	µg/m ³	V0
Lithium	0.000016	0.000261	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.099290	µg/m ³	V0
Magnesium	0.000279	0.035663	µg/m ³	V0
Aluminum	0.002800	0.132586	µg/m ³	V0
Silicon	0.010200	1.430306	µg/m ³	V0
Phosphorus	0.003480	0.024369	µg/m ³	V0
Potassium	0.000402	0.066149	µg/m ³	V0
Calcium	0.013042	0.074892	µg/m ³	V0
Titanium	0.000031	0.008011	µg/m ³	V0
Vanadium	0.000018	0.000578	µg/m ³	V0
Chromium	0.000045	0.000887	µg/m ³	V0
Manganese	0.000028	0.002393	µg/m ³	V0
Iron	0.001585	0.125470	µg/m ³	V0
Cobalt	0.000005	0.000156	µg/m ³	V0
Nickel	0.000015	0.000323	µg/m ³	V0
Copper	0.000027	0.000415	µg/m ³	V0
Zinc	0.000149	0.001577	µg/m ³	V0
Arsenic	0.000005	0.000195	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000250	µg/m ³	V0
Strontium	0.000012	0.000581	µg/m ³	V0
Niobium	0.000006	0.000108	µg/m ³	V0
Molybdenum	0.000025	0.000113	µg/m ³	V0
Palladium	0.000050	0.000084	µg/m ³	V0
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000036	µg/m ³	V0
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.001444	µg/m ³	V0
Lanthanum	0.000004	0.000082	µg/m ³	V0
Cerium	0.000013	0.000175	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000085	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000341	µg/m ³	V0
Tungsten	0.000005	0.000304	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000916	µg/m ³	V0
Bismuth	0.000004	0.000030	µg/m ³	V0
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200670
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		710.5	mmHg	
Particulate Matter	0.042	2.625	µg/m ³	V0
Lithium	0.000016	0.000153	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.067774	µg/m ³	V0
Magnesium	0.000279	0.018642	µg/m ³	V0
Aluminum	0.002800	0.022170	µg/m ³	V0
Silicon	0.010200	0.050882	µg/m ³	V0
Phosphorus	0.003480	0.024953	µg/m ³	V0
Potassium	0.000402	0.032578	µg/m ³	V0
Calcium	0.013042	0.039206	µg/m ³	V0
Titanium	0.000031	0.001630	µg/m ³	V0
Vanadium	0.000018	0.000172	µg/m ³	V0
Chromium	0.000045	0.001003	µg/m ³	V0
Manganese	0.000028	0.001018	µg/m ³	V0
Iron	0.001585	0.025425	µg/m ³	V0
Cobalt	0.000005	0.000120	µg/m ³	V0
Nickel	0.000015	0.000706	µg/m ³	V0
Copper	0.000027	0.000488	µg/m ³	V0
Zinc	0.000149	0.003594	µg/m ³	V0
Arsenic	0.000005	0.000501	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000126	µg/m ³	V0
Strontium	0.000012	0.000295	µg/m ³	V0
Niobium	0.000006	0.000399	µg/m ³	V0
Molybdenum	0.000025	0.000283	µg/m ³	V0
Palladium	0.000050	0.000401	µg/m ³	V0
Silver	0.000006	0.000088	µg/m ³	V0
Cadmium	0.000011	0.000069	µg/m ³	V0
Tin	0.000008	0.000256	µg/m ³	V0
Antimony	0.000016	0.000182	µg/m ³	V0
Cesium	0.000004	0.000041	µg/m ³	V0
Barium	0.000054	0.000415	µg/m ³	V0
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000044	µg/m ³	V0
Praseodymium	0.000002	0.000023	µg/m ³	V0
Neodymium	0.000005	0.000029	µg/m ³	V0
Samarium	0.000006	0.000022	µg/m ³	V0
Tantalum	0.000003	0.003302	µg/m ³	V0
Tungsten	0.000005	0.001563	µg/m ³	V0
Platinum	0.000004	0.000036	µg/m ³	V0
Thallium	0.000005	0.000230	µg/m ³	V0
Lead	0.000018	0.001144	µg/m ³	V0
Bismuth	0.000004	0.000098	µg/m ³	V0
Thorium	0.000002	0.000035	µg/m ³	V0
Uranium	0.000003	0.000021	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200678
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		714.2	mmHg	
Particulate Matter	0.042	2.833	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.073914	µg/m ³	V0
Magnesium	0.000279	0.024297	µg/m ³	V0
Aluminum	0.002800	0.026827	µg/m ³	V0
Silicon	0.010200	0.095827	µg/m ³	V0
Phosphorus	0.003480	0.024207	µg/m ³	V0
Potassium	0.000402	0.029679	µg/m ³	V0
Calcium	0.013042	0.037130	µg/m ³	V0
Titanium	0.000031	0.001490	µg/m ³	V0
Vanadium	0.000018	0.000081	µg/m ³	V0
Chromium	0.000045	0.000878	µg/m ³	V0
Manganese	0.000028	0.000731	µg/m ³	V0
Iron	0.001585	0.023862	µg/m ³	V0
Cobalt	0.000005	0.000046	µg/m ³	V0
Nickel	0.000015	0.000425	µg/m ³	V0
Copper	0.000027	0.000394	µg/m ³	V0
Zinc	0.000149	0.003012	µg/m ³	V0
Arsenic	0.000005	0.000177	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000069	µg/m ³	V0
Strontium	0.000012	0.000260	µg/m ³	V0
Niobium	0.000006	0.000095	µg/m ³	V0
Molybdenum	0.000025	0.000076	µg/m ³	V0
Palladium	0.000050	0.000067	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000048	µg/m ³	V0
Tin	0.000008	0.000161	µg/m ³	V0
Antimony	0.000016	0.000091	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000399	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000379	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000972	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: **PM10 Metal**
Location: **Fort Hills**
Start Date: **2022-02-28 00:00**

Deployment Information

Samp Use: **Exposure**
Loc ID: **FTHL**
End Date: **2022-03-01 00:00**

Set Index: **1**
WBEA ID: **220200682**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		734.3	mmHg	
Particulate Matter	0.042	14.583	µg/m ³	V0
Lithium	0.000016	0.000710	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.142166	µg/m ³	V0
Magnesium	0.000279	0.121466	µg/m ³	V0
Aluminum	0.002800	0.456843	µg/m ³	V0
Silicon	0.010200	0.740369	µg/m ³	V0
Phosphorus	0.003480	0.025688	µg/m ³	V0
Potassium	0.000402	0.137606	µg/m ³	V0
Calcium	0.013042	0.213800	µg/m ³	V0
Titanium	0.000031	0.017709	µg/m ³	V0
Vanadium	0.000018	0.001555	µg/m ³	V0
Chromium	0.000045	0.001259	µg/m ³	V0
Manganese	0.000028	0.005983	µg/m ³	V0
Iron	0.001585	0.323193	µg/m ³	V0
Cobalt	0.000005	0.000311	µg/m ³	V0
Nickel	0.000015	0.000578	µg/m ³	V0
Copper	0.000027	0.000612	µg/m ³	V0
Zinc	0.000149	0.004967	µg/m ³	V0
Arsenic	0.000005	0.000322	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000679	µg/m ³	V0
Strontium	0.000012	0.001585	µg/m ³	V0
Niobium	0.000006	0.000107	µg/m ³	V0
Molybdenum	0.000025	0.000267	µg/m ³	V0
Palladium	0.000050	0.000087	µg/m ³	V0
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	0.000057	µg/m ³	V0
Tin	0.000008	0.000129	µg/m ³	V0
Antimony	0.000016	0.000085	µg/m ³	V0
Cesium	0.000004	0.000043	µg/m ³	V0
Barium	0.000054	0.004556	µg/m ³	V0
Lanthanum	0.000004	0.000260	µg/m ³	V0
Cerium	0.000013	0.000574	µg/m ³	V0
Praseodymium	0.000002	0.000068	µg/m ³	V0
Neodymium	0.000005	0.000265	µg/m ³	V0
Samarium	0.000006	0.000050	µg/m ³	V0
Tantalum	0.000003	0.000213	µg/m ³	V0
Tungsten	0.000005	0.000398	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.001469	µg/m ³	V0
Bismuth	0.000004	0.000035	µg/m ³	V0
Thorium	0.000002	0.000096	µg/m ³	V0
Uranium	0.000003	0.000022	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200688
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		729.8	mmHg	
Particulate Matter	0.042	15.042	µg/m ³	V0
Lithium	0.000016	0.000627	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.188771	µg/m ³	V0
Magnesium	0.000279	0.108170	µg/m ³	V0
Aluminum	0.002800	0.446509	µg/m ³	V0
Silicon	0.010200	0.427415	µg/m ³	V0
Phosphorus	0.003480	0.052541	µg/m ³	V0
Potassium	0.000402	0.139711	µg/m ³	V0
Calcium	0.013042	0.308322	µg/m ³	V0
Titanium	0.000031	0.019668	µg/m ³	V0
Vanadium	0.000018	0.016175	µg/m ³	V0
Chromium	0.000045	0.001327	µg/m ³	V0
Manganese	0.000028	0.007115	µg/m ³	V0
Iron	0.001585	0.294756	µg/m ³	V0
Cobalt	0.000005	0.000322	µg/m ³	V0
Nickel	0.000015	0.002509	µg/m ³	V0
Copper	0.000027	0.001631	µg/m ³	V0
Zinc	0.000149	0.003991	µg/m ³	V0
Arsenic	0.000005	0.000527	µg/m ³	V0
Selenium	0.000133	0.000247	µg/m ³	V0
Rubidium	0.000003	0.000634	µg/m ³	V0
Strontium	0.000012	0.001712	µg/m ³	V0
Niobium	0.000006	0.000104	µg/m ³	V0
Molybdenum	0.000025	0.001582	µg/m ³	V0
Palladium	0.000050	0.000081	µg/m ³	V0
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	0.000096	µg/m ³	V0
Tin	0.000008	0.000369	µg/m ³	V0
Antimony	0.000016	0.001075	µg/m ³	V4
Cesium	0.000004	0.000044	µg/m ³	V0
Barium	0.000054	0.004154	µg/m ³	V0
Lanthanum	0.000004	0.000269	µg/m ³	V0
Cerium	0.000013	0.000594	µg/m ³	V0
Praseodymium	0.000002	0.000071	µg/m ³	V0
Neodymium	0.000005	0.000285	µg/m ³	V0
Samarium	0.000006	0.000056	µg/m ³	V0
Tantalum	0.000003	0.000226	µg/m ³	V0
Tungsten	0.000005	0.000334	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	0.003030	µg/m ³	V0
Bismuth	0.000004	0.000056	µg/m ³	V0
Thorium	0.000002	0.000103	µg/m ³	V0
Uranium	0.000003	0.000032	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200696
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		740.5	mmHg	
Particulate Matter	0.042	15.375	µg/m ³	V0
Lithium	0.000016	0.000373	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.179262	µg/m ³	V0
Magnesium	0.000279	0.071455	µg/m ³	V0
Aluminum	0.002800	0.191467	µg/m ³	V0
Silicon	0.010200	0.521756	µg/m ³	V0
Phosphorus	0.003480	0.030473	µg/m ³	V0
Potassium	0.000402	0.146525	µg/m ³	V0
Calcium	0.013042	0.207030	µg/m ³	V0
Titanium	0.000031	0.011850	µg/m ³	V0
Vanadium	0.000018	0.006158	µg/m ³	V0
Chromium	0.000045	0.000905	µg/m ³	V0
Manganese	0.000028	0.005820	µg/m ³	V0
Iron	0.001585	0.187273	µg/m ³	V0
Cobalt	0.000005	0.000192	µg/m ³	V0
Nickel	0.000015	0.001139	µg/m ³	V0
Copper	0.000027	0.001365	µg/m ³	V0
Zinc	0.000149	0.006927	µg/m ³	V0
Arsenic	0.000005	0.000373	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000480	µg/m ³	V0
Strontium	0.000012	0.001305	µg/m ³	V0
Niobium	0.000006	0.000139	µg/m ³	V0
Molybdenum	0.000025	0.000723	µg/m ³	V0
Palladium	0.000050	0.000126	µg/m ³	V0
Silver	0.000006	0.000031	µg/m ³	V0
Cadmium	0.000011	0.000072	µg/m ³	V0
Tin	0.000008	0.000205	µg/m ³	V0
Antimony	0.000016	0.000285	µg/m ³	V0
Cesium	0.000004	0.000029	µg/m ³	V0
Barium	0.000054	0.004586	µg/m ³	V0
Lanthanum	0.000004	0.000134	µg/m ³	V0
Cerium	0.000013	0.000296	µg/m ³	V0
Praseodymium	0.000002	0.000035	µg/m ³	V0
Neodymium	0.000005	0.000136	µg/m ³	V0
Samarium	0.000006	0.000024	µg/m ³	V0
Tantalum	0.000003	0.000299	µg/m ³	V0
Tungsten	0.000005	0.000293	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.001722	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	0.000049	µg/m ³	V0
Uranium	0.000003	0.000015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200703
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		716.4	mmHg	
Particulate Matter	0.042	5.333	µg/m ³	V0
Lithium	0.000016	0.000096	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.068951	µg/m ³	V0
Magnesium	0.000279	0.030582	µg/m ³	V0
Aluminum	0.002800	0.056764	µg/m ³	V0
Silicon	0.010200	0.226918	µg/m ³	V0
Phosphorus	0.003480	0.028160	µg/m ³	V0
Potassium	0.000402	0.033895	µg/m ³	V0
Calcium	0.013042	0.057427	µg/m ³	V0
Titanium	0.000031	0.003056	µg/m ³	V0
Vanadium	0.000018	0.000626	µg/m ³	V0
Chromium	0.000045	0.000516	µg/m ³	V0
Manganese	0.000028	0.001173	µg/m ³	V0
Iron	0.001585	0.036537	µg/m ³	V0
Cobalt	0.000005	0.000049	µg/m ³	V0
Nickel	0.000015	0.000419	µg/m ³	V0
Copper	0.000027	0.000562	µg/m ³	V0
Zinc	0.000149	0.005817	µg/m ³	V0
Arsenic	0.000005	0.000204	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000101	µg/m ³	V0
Strontium	0.000012	0.000320	µg/m ³	V0
Niobium	0.000006	0.000118	µg/m ³	V0
Molybdenum	0.000025	0.000155	µg/m ³	V0
Palladium	0.000050	0.000062	µg/m ³	V0
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000049	µg/m ³	V0
Tin	0.000008	0.000203	µg/m ³	V0
Antimony	0.000016	0.000065	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000623	µg/m ³	V0
Lanthanum	0.000004	0.000027	µg/m ³	V0
Cerium	0.000013	0.000056	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000023	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000598	µg/m ³	V0
Tungsten	0.000005	0.000336	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.001035	µg/m ³	V0
Bismuth	0.000004	0.000025	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220300809
Start Date:	2022-03-03 10:35	End Date:	2022-03-03 10:36	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000045	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004268	µg/m ³	V0
Magnesium	0.000279	0.010582	µg/m ³	V0
Aluminum	0.002800	0.022455	µg/m ³	V0
Silicon	0.010200	0.038116	µg/m ³	V0
Phosphorus	0.003480	0.056138	µg/m ³	V0
Potassium	0.000402	0.001789	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000494	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000690	µg/m ³	V0
Manganese	0.000028	0.000114	µg/m ³	V0
Iron	0.001585	0.008046	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000265	µg/m ³	V0
Copper	0.000027	0.000298	µg/m ³	V0
Zinc	0.000149	0.002710	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000011	µg/m ³	V0
Strontium	0.000012	0.000047	µg/m ³	V0
Niobium	0.000006	0.000112	µg/m ³	V0
Molybdenum	0.000025	0.000050	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000145	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000246	µg/m ³	V0
Tungsten	0.000005	0.000124	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000027	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort Chipewyan	Loc ID:	FTCH
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00
		Set Index:	1
		WBEA ID:	220300760
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.4	°C	
Pressure		736.5	mmHg	
Particulate Matter	0.042	2.208	µg/m ³	V0
Lithium	0.000016	0.000033	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018461	µg/m ³	V0
Magnesium	0.000279	0.005297	µg/m ³	V0
Aluminum	0.002800	0.011415	µg/m ³	V0
Silicon	0.010200	0.026515	µg/m ³	V0
Phosphorus	0.003480	0.081882	µg/m ³	V0
Potassium	0.000402	0.010484	µg/m ³	V0
Calcium	0.013042	0.016848	µg/m ³	V0
Titanium	0.000031	0.000695	µg/m ³	V0
Vanadium	0.000018	0.000026	µg/m ³	V0
Chromium	0.000045	0.000630	µg/m ³	V0
Manganese	0.000028	0.000241	µg/m ³	V0
Iron	0.001585	0.008499	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000259	µg/m ³	V0
Copper	0.000027	0.000259	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000017	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000020	µg/m ³	V0
Strontium	0.000012	0.000063	µg/m ³	V0
Niobium	0.000006	0.000078	µg/m ³	V0
Molybdenum	0.000025	0.000465	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.000210	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000088	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000395	µg/m ³	V0
Tungsten	0.000005	0.000074	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000248	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220300765
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.0	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	2.542	µg/m ³	V0
Lithium	0.000016	0.000089	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017066	µg/m ³	V0
Magnesium	0.000279	0.016713	µg/m ³	V0
Aluminum	0.002800	0.047342	µg/m ³	V0
Silicon	0.010200	0.155281	µg/m ³	V0
Phosphorus	0.003480	0.054939	µg/m ³	V0
Potassium	0.000402	0.019709	µg/m ³	V0
Calcium	0.013042	0.035726	µg/m ³	V0
Titanium	0.000031	0.002911	µg/m ³	V0
Vanadium	0.000018	0.000111	µg/m ³	V0
Chromium	0.000045	0.000474	µg/m ³	V0
Manganese	0.000028	0.000540	µg/m ³	V0
Iron	0.001585	0.031770	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000183	µg/m ³	V0
Copper	0.000027	0.000175	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000025	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000082	µg/m ³	V0
Strontium	0.000012	0.000178	µg/m ³	V0
Niobium	0.000006	0.000141	µg/m ³	V0
Molybdenum	0.000025	0.000091	µg/m ³	V0
Palladium	0.000050	0.000065	µg/m ³	V0
Silver	0.000006	0.000020	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000108	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.000451	µg/m ³	V0
Lanthanum	0.000004	0.000024	µg/m ³	V0
Cerium	0.000013	0.000048	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000027	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000335	µg/m ³	V0
Tungsten	0.000005	0.000233	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000162	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300768
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.0	°C	
Pressure		739.8	mmHg	
Particulate Matter	0.042	6.417	µg/m ³	V0
Lithium	0.000016	0.000299	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.064147	µg/m ³	V0
Magnesium	0.000279	0.052214	µg/m ³	V0
Aluminum	0.002800	0.193353	µg/m ³	V0
Silicon	0.010200	0.415436	µg/m ³	V0
Phosphorus	0.003480	0.055797	µg/m ³	V0
Potassium	0.000402	0.071247	µg/m ³	V0
Calcium	0.013042	0.120682	µg/m ³	V0
Titanium	0.000031	0.010428	µg/m ³	V0
Vanadium	0.000018	0.001302	µg/m ³	V0
Chromium	0.000045	0.000748	µg/m ³	V0
Manganese	0.000028	0.002590	µg/m ³	V0
Iron	0.001585	0.162291	µg/m ³	V0
Cobalt	0.000005	0.000160	µg/m ³	V0
Nickel	0.000015	0.000467	µg/m ³	V0
Copper	0.000027	0.001417	µg/m ³	V0
Zinc	0.000149	0.001517	µg/m ³	V0
Arsenic	0.000005	0.000048	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000313	µg/m ³	V0
Strontium	0.000012	0.000665	µg/m ³	V0
Niobium	0.000006	0.000060	µg/m ³	V0
Molybdenum	0.000025	0.000142	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000053	µg/m ³	V0
Tin	0.000008	0.000168	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.002108	µg/m ³	V0
Lanthanum	0.000004	0.000107	µg/m ³	V0
Cerium	0.000013	0.000250	µg/m ³	V0
Praseodymium	0.000002	0.000029	µg/m ³	V0
Neodymium	0.000005	0.000118	µg/m ³	V0
Samarium	0.000006	0.000022	µg/m ³	V0
Tantalum	0.000003	0.000093	µg/m ³	V0
Tungsten	0.000005	0.000100	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000373	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000039	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220300780
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.4	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	7.875	µg/m ³	V0
Lithium	0.000016	0.000391	µg/m ³	V0
Beryllium	0.000013	0.000016	µg/m ³	V0
Sodium	0.000777	0.037399	µg/m ³	V0
Magnesium	0.000279	0.065945	µg/m ³	V0
Aluminum	0.002800	0.253384	µg/m ³	V0
Silicon	0.010200	0.806979	µg/m ³	V0
Phosphorus	0.003480	0.040725	µg/m ³	V0
Potassium	0.000402	0.345816	µg/m ³	V0
Calcium	0.013042	0.138478	µg/m ³	V0
Titanium	0.000031	0.010856	µg/m ³	V0
Vanadium	0.000018	0.001223	µg/m ³	V0
Chromium	0.000045	0.001193	µg/m ³	V0
Manganese	0.000028	0.003483	µg/m ³	V0
Iron	0.001585	0.214934	µg/m ³	V0
Cobalt	0.000005	0.000205	µg/m ³	V0
Nickel	0.000015	0.000605	µg/m ³	V0
Copper	0.000027	0.000574	µg/m ³	V0
Zinc	0.000149	0.005269	µg/m ³	V0
Arsenic	0.000005	0.000686	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000398	µg/m ³	V0
Strontium	0.000012	0.000826	µg/m ³	V0
Niobium	0.000006	0.000521	µg/m ³	V0
Molybdenum	0.000025	0.000223	µg/m ³	V0
Palladium	0.000050	0.000135	µg/m ³	V0
Silver	0.000006	0.000060	µg/m ³	V0
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000163	µg/m ³	V0
Antimony	0.000016	0.000134	µg/m ³	V0
Cesium	0.000004	0.000026	µg/m ³	V0
Barium	0.000054	0.003005	µg/m ³	V0
Lanthanum	0.000004	0.000145	µg/m ³	V0
Cerium	0.000013	0.000319	µg/m ³	V0
Praseodymium	0.000002	0.000042	µg/m ³	V0
Neodymium	0.000005	0.000150	µg/m ³	V0
Samarium	0.000006	0.000035	µg/m ³	V0
Tantalum	0.000003	0.005139	µg/m ³	V0
Tungsten	0.000005	0.000878	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000119	µg/m ³	V0
Lead	0.000018	0.000302	µg/m ³	V0
Bismuth	0.000004	0.000051	µg/m ³	V0
Thorium	0.000002	0.000066	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300785
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.3	°C	
Pressure		734.1	mmHg	
Particulate Matter	0.042	4.292	µg/m ³	V0
Lithium	0.000016	0.000177	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.097166	µg/m ³	V0
Magnesium	0.000279	0.035670	µg/m ³	V0
Aluminum	0.002800	0.118059	µg/m ³	V0
Silicon	0.010200	0.289759	µg/m ³	V0
Phosphorus	0.003480	0.063579	µg/m ³	V0
Potassium	0.000402	0.041841	µg/m ³	V0
Calcium	0.013042	0.072311	µg/m ³	V0
Titanium	0.000031	0.005808	µg/m ³	V0
Vanadium	0.000018	0.000795	µg/m ³	V0
Chromium	0.000045	0.002166	µg/m ³	V0
Manganese	0.000028	0.001748	µg/m ³	V0
Iron	0.001585	0.111977	µg/m ³	V0
Cobalt	0.000005	0.000098	µg/m ³	V0
Nickel	0.000015	0.000370	µg/m ³	V0
Copper	0.000027	0.001172	µg/m ³	V0
Zinc	0.000149	0.001666	µg/m ³	V0
Arsenic	0.000005	0.000021	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000183	µg/m ³	V0
Strontium	0.000012	0.000431	µg/m ³	V0
Niobium	0.000006	0.000077	µg/m ³	V0
Molybdenum	0.000025	0.000264	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000124	µg/m ³	V0
Antimony	0.000016	0.000051	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001119	µg/m ³	V0
Lanthanum	0.000004	0.000059	µg/m ³	V0
Cerium	0.000013	0.000128	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000062	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000302	µg/m ³	V0
Tungsten	0.000005	0.000109	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000325	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000023	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300796
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.7	°C	
Pressure		714.3	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Lithium	0.000016	0.000054	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.028425	µg/m ³	V0
Magnesium	0.000279	0.013551	µg/m ³	V0
Aluminum	0.002800	0.039642	µg/m ³	V0
Silicon	0.010200	0.078273	µg/m ³	V0
Phosphorus	0.003480	0.069169	µg/m ³	V0
Potassium	0.000402	0.029989	µg/m ³	V0
Calcium	0.013042	0.040607	µg/m ³	V0
Titanium	0.000031	0.001523	µg/m ³	V0
Vanadium	0.000018	0.000689	µg/m ³	V0
Chromium	0.000045	0.006304	µg/m ³	V0
Manganese	0.000028	0.001398	µg/m ³	V0
Iron	0.001585	0.057920	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000468	µg/m ³	V0
Copper	0.000027	0.000326	µg/m ³	V0
Zinc	0.000149	0.000233	µg/m ³	V0
Arsenic	0.000005	0.000032	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000076	µg/m ³	V0
Strontium	0.000012	0.000259	µg/m ³	V0
Niobium	0.000006	0.000166	µg/m ³	V0
Molybdenum	0.000025	0.000305	µg/m ³	V0
Palladium	0.000050	0.000063	µg/m ³	V0
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000192	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000361	µg/m ³	V0
Lanthanum	0.000004	0.000057	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000479	µg/m ³	V0
Tungsten	0.000005	0.000252	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000023	µg/m ³	V0
Lead	0.000018	0.000252	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300803
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		717.5	mmHg	
Particulate Matter	0.042	2.208	µg/m ³	V0
Lithium	0.000016	0.000054	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.040480	µg/m ³	V0
Magnesium	0.000279	0.015125	µg/m ³	V0
Aluminum	0.002800	0.033444	µg/m ³	V0
Silicon	0.010200	0.085430	µg/m ³	V0
Phosphorus	0.003480	0.056502	µg/m ³	V0
Potassium	0.000402	0.013965	µg/m ³	V0
Calcium	0.013042	0.039497	µg/m ³	V0
Titanium	0.000031	0.001435	µg/m ³	V0
Vanadium	0.000018	0.000370	µg/m ³	V0
Chromium	0.000045	0.002662	µg/m ³	V0
Manganese	0.000028	0.000514	µg/m ³	V0
Iron	0.001585	0.033444	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000493	µg/m ³	V0
Copper	0.000027	0.000355	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000007	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000052	µg/m ³	V0
Strontium	0.000012	0.000164	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000224	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000110	µg/m ³	V0
Antimony	0.000016	0.000048	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000323	µg/m ³	V0
Lanthanum	0.000004	0.000054	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000189	µg/m ³	V0
Tungsten	0.000005	0.000054	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000649	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300813
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.3	°C	
Pressure		719.2	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Lithium	0.000016	0.000091	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.036565	µg/m ³	V0
Magnesium	0.000279	0.020585	µg/m ³	V0
Aluminum	0.002800	0.039942	µg/m ³	V0
Silicon	0.010200	0.044066	µg/m ³	V0
Phosphorus	0.003480	0.041727	µg/m ³	V0
Potassium	0.000402	0.022658	µg/m ³	V0
Calcium	0.013042	0.060378	µg/m ³	V0
Titanium	0.000031	0.001545	µg/m ³	V0
Vanadium	0.000018	0.000161	µg/m ³	V0
Chromium	0.000045	0.001226	µg/m ³	V0
Manganese	0.000028	0.000675	µg/m ³	V0
Iron	0.001585	0.024126	µg/m ³	V0
Cobalt	0.000005	0.000389	µg/m ³	V0
Nickel	0.000015	0.001996	µg/m ³	V0
Copper	0.000027	0.000128	µg/m ³	V0
Zinc	0.000149	0.002823	µg/m ³	V0
Arsenic	0.000005	0.000038	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000064	µg/m ³	V0
Strontium	0.000012	0.000191	µg/m ³	V0
Niobium	0.000006	0.000080	µg/m ³	V0
Molybdenum	0.000025	0.000122	µg/m ³	V0
Palladium	0.000050	0.000055	µg/m ³	V0
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000226	µg/m ³	V0
Antimony	0.000016	0.000051	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000313	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000029	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000108	µg/m ³	V0
Tungsten	0.000005	0.000163	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000205	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220300820
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.2	°C	
Pressure		741.4	mmHg	
Particulate Matter	0.042	8.375	µg/m ³	V0
Lithium	0.000016	0.000117	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.752478	µg/m ³	V0
Magnesium	0.000279	0.039816	µg/m ³	V0
Aluminum	0.002800	0.055437	µg/m ³	V0
Silicon	0.010200	0.116633	µg/m ³	V0
Phosphorus	0.003480	0.053447	µg/m ³	V0
Potassium	0.000402	0.072340	µg/m ³	V0
Calcium	0.013042	0.234719	µg/m ³	V0
Titanium	0.000031	0.004210	µg/m ³	V0
Vanadium	0.000018	0.000892	µg/m ³	V0
Chromium	0.000045	0.001208	µg/m ³	V0
Manganese	0.000028	0.001986	µg/m ³	V0
Iron	0.001585	0.093652	µg/m ³	V0
Cobalt	0.000005	0.000114	µg/m ³	V0
Nickel	0.000015	0.000394	µg/m ³	V0
Copper	0.000027	0.001222	µg/m ³	V0
Zinc	0.000149	0.002554	µg/m ³	V0
Arsenic	0.000005	0.000015	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000140	µg/m ³	V0
Strontium	0.000012	0.000745	µg/m ³	V0
Niobium	0.000006	0.000044	µg/m ³	V0
Molybdenum	0.000025	0.000226	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000317	µg/m ³	V0
Antimony	0.000016	0.000253	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.002947	µg/m ³	V0
Lanthanum	0.000004	0.000043	µg/m ³	V0
Cerium	0.000013	0.000099	µg/m ³	V0
Praseodymium	0.000002	0.000012	µg/m ³	V0
Neodymium	0.000005	0.000039	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000109	µg/m ³	V0
Tungsten	0.000005	0.000198	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000264	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300828
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.5	°C	
Pressure		731.1	mmHg	
Particulate Matter	0.042	3.333	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.081810	µg/m ³	V0
Magnesium	0.000279	0.016519	µg/m ³	V0
Aluminum	0.002800	0.038958	µg/m ³	V0
Silicon	0.010200	0.097198	µg/m ³	V0
Phosphorus	0.003480	0.057457	µg/m ³	V0
Potassium	0.000402	0.028846	µg/m ³	V0
Calcium	0.013042	0.033303	µg/m ³	V0
Titanium	0.000031	0.001945	µg/m ³	V0
Vanadium	0.000018	0.000486	µg/m ³	V0
Chromium	0.000045	0.001046	µg/m ³	V0
Manganese	0.000028	0.000688	µg/m ³	V0
Iron	0.001585	0.031901	µg/m ³	V0
Cobalt	0.000005	0.000049	µg/m ³	V0
Nickel	0.000015	0.000336	µg/m ³	V0
Copper	0.000027	0.000687	µg/m ³	V0
Zinc	0.000149	0.001535	µg/m ³	V0
Arsenic	0.000005	0.000013	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000073	µg/m ³	V0
Strontium	0.000012	0.000184	µg/m ³	V0
Niobium	0.000006	0.000066	µg/m ³	V0
Molybdenum	0.000025	0.000109	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000207	µg/m ³	V0
Antimony	0.000016	0.000068	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000589	µg/m ³	V0
Lanthanum	0.000004	0.000019	µg/m ³	V0
Cerium	0.000013	0.000042	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000207	µg/m ³	V0
Tungsten	0.000005	0.000106	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000270	µg/m ³	V0
Bismuth	0.000004	0.000044	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220300869
Start Date:	2022-03-10 16:15	End Date:	2022-03-10 16:16	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Lithium	0.000016	0.000033	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.007900	µg/m ³	V0
Aluminum	0.002800	0.013291	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.063553	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000431	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000893	µg/m ³	V0
Manganese	0.000028	0.000115	µg/m ³	V0
Iron	0.001585	0.006102	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000293	µg/m ³	V0
Copper	0.000027	0.000172	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000005	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000007	µg/m ³	V0
Strontium	0.000012	0.000017	µg/m ³	V0
Niobium	0.000006	0.000116	µg/m ³	V0
Molybdenum	0.000025	0.000066	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000085	µg/m ³	V0
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000408	µg/m ³	V0
Tungsten	0.000005	0.000142	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300832
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		724.6	mmHg	
Particulate Matter	0.042	13.000	µg/m ³	V0
Lithium	0.000016	0.000800	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.197428	µg/m ³	V0
Magnesium	0.000279	0.125267	µg/m ³	V0
Aluminum	0.002800	0.615499	µg/m ³	V0
Silicon	0.010200	1.196287	µg/m ³	V0
Phosphorus	0.003480	0.072638	µg/m ³	V0
Potassium	0.000402	0.178190	µg/m ³	V0
Calcium	0.013042	0.326182	µg/m ³	V0
Titanium	0.000031	0.026700	µg/m ³	V0
Vanadium	0.000018	0.003466	µg/m ³	V0
Chromium	0.000045	0.001212	µg/m ³	V0
Manganese	0.000028	0.006811	µg/m ³	V0
Iron	0.001585	0.379419	µg/m ³	V0
Cobalt	0.000005	0.000413	µg/m ³	V0
Nickel	0.000015	0.000648	µg/m ³	V0
Copper	0.000027	0.000791	µg/m ³	V0
Zinc	0.000149	0.001431	µg/m ³	V0
Arsenic	0.000005	0.000088	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000795	µg/m ³	V0
Strontium	0.000012	0.001947	µg/m ³	V0
Niobium	0.000006	0.000132	µg/m ³	V0
Molybdenum	0.000025	0.000354	µg/m ³	V0
Palladium	0.000050	0.000061	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000122	µg/m ³	V0
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	0.000045	µg/m ³	V0
Barium	0.000054	0.005359	µg/m ³	V0
Lanthanum	0.000004	0.000352	µg/m ³	V0
Cerium	0.000013	0.000734	µg/m ³	V0
Praseodymium	0.000002	0.000089	µg/m ³	V0
Neodymium	0.000005	0.000355	µg/m ³	V0
Samarium	0.000006	0.000070	µg/m ³	V0
Tantalum	0.000003	0.000274	µg/m ³	V0
Tungsten	0.000005	0.000365	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000461	µg/m ³	V0
Bismuth	0.000004	0.000026	µg/m ³	V0
Thorium	0.000002	0.000133	µg/m ³	V0
Uranium	0.000003	0.000034	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300838	
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.2	°C	
Pressure		728.9	mmHg	
Particulate Matter	0.042	12.083	µg/m ³	V0
Lithium	0.000016	0.000909	µg/m ³	V0
Beryllium	0.000013	0.000021	µg/m ³	V0
Sodium	0.000777	0.187954	µg/m ³	V0
Magnesium	0.000279	0.115100	µg/m ³	V0
Aluminum	0.002800	0.597947	µg/m ³	V0
Silicon	0.010200	1.237013	µg/m ³	V0
Phosphorus	0.003480	0.064122	µg/m ³	V0
Potassium	0.000402	0.149243	µg/m ³	V0
Calcium	0.013042	0.355162	µg/m ³	V0
Titanium	0.000031	0.026857	µg/m ³	V0
Vanadium	0.000018	0.003223	µg/m ³	V0
Chromium	0.000045	0.001320	µg/m ³	V0
Manganese	0.000028	0.007913	µg/m ³	V0
Iron	0.001585	0.373603	µg/m ³	V0
Cobalt	0.000005	0.000360	µg/m ³	V0
Nickel	0.000015	0.000796	µg/m ³	V0
Copper	0.000027	0.001023	µg/m ³	V0
Zinc	0.000149	0.002132	µg/m ³	V0
Arsenic	0.000005	0.000094	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000769	µg/m ³	V0
Strontium	0.000012	0.001789	µg/m ³	V0
Niobium	0.000006	0.000164	µg/m ³	V0
Molybdenum	0.000025	0.000242	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000152	µg/m ³	V0
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	0.000044	µg/m ³	V0
Barium	0.000054	0.004514	µg/m ³	V0
Lanthanum	0.000004	0.000332	µg/m ³	V0
Cerium	0.000013	0.000704	µg/m ³	V0
Praseodymium	0.000002	0.000085	µg/m ³	V0
Neodymium	0.000005	0.000347	µg/m ³	V0
Samarium	0.000006	0.000070	µg/m ³	V0
Tantalum	0.000003	0.000277	µg/m ³	V0
Tungsten	0.000005	0.000226	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000738	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000130	µg/m ³	V0
Uranium	0.000003	0.000035	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300852
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		728.3	mmHg	
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000057	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003412	µg/m ³	V0
Aluminum	0.002800	0.007625	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.064066	µg/m ³	V0
Potassium	0.000402	0.001759	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000754	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001594	µg/m ³	V0
Manganese	0.000028	0.000128	µg/m ³	V0
Iron	0.001585	0.017294	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000225	µg/m ³	V0
Copper	0.000027	0.000282	µg/m ³	V0
Zinc	0.000149	0.006940	µg/m ³	V0
Arsenic	0.000005	0.000115	µg/m ³	V0
Selenium	0.000133	0.000151	µg/m ³	V0
Rubidium	0.000003	0.000011	µg/m ³	V0
Strontium	0.000012	0.000025	µg/m ³	V0
Niobium	0.000006	0.000461	µg/m ³	V0
Molybdenum	0.000025	0.000204	µg/m ³	V0
Palladium	0.000050	0.000132	µg/m ³	V0
Silver	0.000006	0.000041	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000177	µg/m ³	V0
Antimony	0.000016	0.000089	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001646	µg/m ³	V0
Tungsten	0.000005	0.001736	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000089	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000034	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220300859
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.4	°C	
Pressure		726.8	mmHg	
Particulate Matter	0.042	8.375	µg/m ³	V0
Lithium	0.000016	0.000543	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.168448	µg/m ³	V0
Magnesium	0.000279	0.078554	µg/m ³	V0
Aluminum	0.002800	0.348972	µg/m ³	V0
Silicon	0.010200	0.668337	µg/m ³	V0
Phosphorus	0.003480	0.073480	µg/m ³	V0
Potassium	0.000402	0.108789	µg/m ³	V0
Calcium	0.013042	0.156165	µg/m ³	V0
Titanium	0.000031	0.015220	µg/m ³	V0
Vanadium	0.000018	0.001982	µg/m ³	V0
Chromium	0.000045	0.001110	µg/m ³	V0
Manganese	0.000028	0.004129	µg/m ³	V0
Iron	0.001585	0.229790	µg/m ³	V0
Cobalt	0.000005	0.000217	µg/m ³	V0
Nickel	0.000015	0.000584	µg/m ³	V0
Copper	0.000027	0.000440	µg/m ³	V0
Zinc	0.000149	0.001153	µg/m ³	V0
Arsenic	0.000005	0.000058	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000493	µg/m ³	V0
Strontium	0.000012	0.001105	µg/m ³	V0
Niobium	0.000006	0.000100	µg/m ³	V0
Molybdenum	0.000025	0.000188	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000136	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000027	µg/m ³	V0
Barium	0.000054	0.002998	µg/m ³	V0
Lanthanum	0.000004	0.000210	µg/m ³	V0
Cerium	0.000013	0.000417	µg/m ³	V0
Praseodymium	0.000002	0.000050	µg/m ³	V0
Neodymium	0.000005	0.000199	µg/m ³	V0
Samarium	0.000006	0.000040	µg/m ³	V0
Tantalum	0.000003	0.000257	µg/m ³	V0
Tungsten	0.000005	0.000180	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000377	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000075	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South		Loc ID:	FMCS	WBEA ID:	220300862
Start Date:	2022-03-12 00:00		End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		726.1	mmHg	
Particulate Matter	0.042	8.458	µg/m ³	V0
Lithium	0.000016	0.000453	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.136401	µg/m ³	V0
Magnesium	0.000279	0.087390	µg/m ³	V0
Aluminum	0.002800	0.296827	µg/m ³	V0
Silicon	0.010200	0.804278	µg/m ³	V0
Phosphorus	0.003480	0.068356	µg/m ³	V0
Potassium	0.000402	0.086663	µg/m ³	V0
Calcium	0.013042	0.225686	µg/m ³	V0
Titanium	0.000031	0.013938	µg/m ³	V0
Vanadium	0.000018	0.001694	µg/m ³	V0
Chromium	0.000045	0.001351	µg/m ³	V0
Manganese	0.000028	0.003656	µg/m ³	V0
Iron	0.001585	0.188417	µg/m ³	V0
Cobalt	0.000005	0.000204	µg/m ³	V0
Nickel	0.000015	0.000632	µg/m ³	V0
Copper	0.000027	0.000589	µg/m ³	V0
Zinc	0.000149	0.005082	µg/m ³	V0
Arsenic	0.000005	0.000159	µg/m ³	V0
Selenium	0.000133	0.000134	µg/m ³	V0
Rubidium	0.000003	0.000402	µg/m ³	V0
Strontium	0.000012	0.001016	µg/m ³	V0
Niobium	0.000006	0.000467	µg/m ³	V0
Molybdenum	0.000025	0.000364	µg/m ³	V0
Palladium	0.000050	0.000169	µg/m ³	V0
Silver	0.000006	0.000056	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000187	µg/m ³	V0
Antimony	0.000016	0.000113	µg/m ³	V0
Cesium	0.000004	0.000031	µg/m ³	V0
Barium	0.000054	0.002247	µg/m ³	V0
Lanthanum	0.000004	0.000160	µg/m ³	V0
Cerium	0.000013	0.000324	µg/m ³	V0
Praseodymium	0.000002	0.000043	µg/m ³	V0
Neodymium	0.000005	0.000157	µg/m ³	V0
Samarium	0.000006	0.000035	µg/m ³	V0
Tantalum	0.000003	0.001651	µg/m ³	V0
Tungsten	0.000005	0.001869	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000091	µg/m ³	V0
Lead	0.000018	0.000303	µg/m ³	V0
Bismuth	0.000004	0.000041	µg/m ³	V0
Thorium	0.000002	0.000070	µg/m ³	V0
Uranium	0.000003	0.000021	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300871
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.1	°C	
Pressure		701.8	mmHg	
Particulate Matter	0.042	3.750	µg/m ³	V0
Lithium	0.000016	0.000070	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.039707	µg/m ³	V0
Magnesium	0.000279	0.014510	µg/m ³	V0
Aluminum	0.002800	0.040861	µg/m ³	V0
Silicon	0.010200	0.195927	µg/m ³	V0
Phosphorus	0.003480	0.062726	µg/m ³	V0
Potassium	0.000402	0.015976	µg/m ³	V0
Calcium	0.013042	0.032011	µg/m ³	V0
Titanium	0.000031	0.001578	µg/m ³	V0
Vanadium	0.000018	0.000273	µg/m ³	V0
Chromium	0.000045	0.000806	µg/m ³	V0
Manganese	0.000028	0.000550	µg/m ³	V0
Iron	0.001585	0.023575	µg/m ³	V0
Cobalt	0.000005	0.000067	µg/m ³	V0
Nickel	0.000015	0.000393	µg/m ³	V0
Copper	0.000027	0.000159	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000021	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000054	µg/m ³	V0
Strontium	0.000012	0.000152	µg/m ³	V0
Niobium	0.000006	0.000093	µg/m ³	V0
Molybdenum	0.000025	0.000087	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000112	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000367	µg/m ³	V0
Lanthanum	0.000004	0.000060	µg/m ³	V0
Cerium	0.000013	0.000032	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000465	µg/m ³	V0
Tungsten	0.000005	0.000114	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000152	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300880
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.3	°C	
Pressure		704.9	mmHg	
Particulate Matter	0.042	4.833	µg/m ³	V0
Lithium	0.000016	0.000140	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.076042	µg/m ³	V0
Magnesium	0.000279	0.032919	µg/m ³	V0
Aluminum	0.002800	0.077425	µg/m ³	V0
Silicon	0.010200	0.254649	µg/m ³	V0
Phosphorus	0.003480	0.056010	µg/m ³	V0
Potassium	0.000402	0.034183	µg/m ³	V0
Calcium	0.013042	0.074077	µg/m ³	V0
Titanium	0.000031	0.003819	µg/m ³	V0
Vanadium	0.000018	0.001211	µg/m ³	V0
Chromium	0.000045	0.000848	µg/m ³	V0
Manganese	0.000028	0.001279	µg/m ³	V0
Iron	0.001585	0.051766	µg/m ³	V0
Cobalt	0.000005	0.000071	µg/m ³	V0
Nickel	0.000015	0.000403	µg/m ³	V0
Copper	0.000027	0.000294	µg/m ³	V0
Zinc	0.000149	0.000677	µg/m ³	V0
Arsenic	0.000005	0.000047	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000132	µg/m ³	V0
Strontium	0.000012	0.000355	µg/m ³	V0
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	0.000180	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000167	µg/m ³	V0
Antimony	0.000016	0.000069	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000954	µg/m ³	V0
Lanthanum	0.000004	0.000125	µg/m ³	V0
Cerium	0.000013	0.000086	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000037	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000220	µg/m ³	V0
Tungsten	0.000005	0.000130	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000337	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00
		Set Index:	1
		WBEA ID:	220300885
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		707.5	mmHg	
Particulate Matter	0.042	5.417	µg/m ³	V0
Lithium	0.000016	0.000183	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.085472	µg/m ³	V0
Magnesium	0.000279	0.040444	µg/m ³	V0
Aluminum	0.002800	0.103105	µg/m ³	V0
Silicon	0.010200	0.410769	µg/m ³	V0
Phosphorus	0.003480	0.071584	µg/m ³	V0
Potassium	0.000402	0.035580	µg/m ³	V0
Calcium	0.013042	0.106322	µg/m ³	V0
Titanium	0.000031	0.004020	µg/m ³	V0
Vanadium	0.000018	0.001179	µg/m ³	V0
Chromium	0.000045	0.001020	µg/m ³	V0
Manganese	0.000028	0.001471	µg/m ³	V0
Iron	0.001585	0.065059	µg/m ³	V0
Cobalt	0.000005	0.000120	µg/m ³	V0
Nickel	0.000015	0.000592	µg/m ³	V0
Copper	0.000027	0.000661	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000052	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000148	µg/m ³	V0
Strontium	0.000012	0.000442	µg/m ³	V0
Niobium	0.000006	0.000153	µg/m ³	V0
Molybdenum	0.000025	0.000394	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000105	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.000960	µg/m ³	V0
Lanthanum	0.000004	0.000087	µg/m ³	V0
Cerium	0.000013	0.000122	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000056	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.000568	µg/m ³	V0
Tungsten	0.000005	0.000141	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.000309	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000022	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220300891
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.5	°C	
Pressure		730.5	mmHg	
Particulate Matter	0.042	7.792	µg/m ³	V0
Lithium	0.000016	0.000185	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.110240	µg/m ³	V0
Magnesium	0.000279	0.042793	µg/m ³	V0
Aluminum	0.002800	0.104903	µg/m ³	V0
Silicon	0.010200	0.605276	µg/m ³	V0
Phosphorus	0.003480	0.063944	µg/m ³	V0
Potassium	0.000402	0.040184	µg/m ³	V0
Calcium	0.013042	0.138615	µg/m ³	V0
Titanium	0.000031	0.004531	µg/m ³	V0
Vanadium	0.000018	0.001173	µg/m ³	V0
Chromium	0.000045	0.001036	µg/m ³	V0
Manganese	0.000028	0.001639	µg/m ³	V0
Iron	0.001585	0.067948	µg/m ³	V0
Cobalt	0.000005	0.000121	µg/m ³	V0
Nickel	0.000015	0.000612	µg/m ³	V0
Copper	0.000027	0.000302	µg/m ³	V0
Zinc	0.000149	0.000377	µg/m ³	V0
Arsenic	0.000005	0.000044	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000169	µg/m ³	V0
Strontium	0.000012	0.000506	µg/m ³	V0
Niobium	0.000006	0.000117	µg/m ³	V0
Molybdenum	0.000025	0.000165	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000118	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.001290	µg/m ³	V0
Lanthanum	0.000004	0.000072	µg/m ³	V0
Cerium	0.000013	0.000126	µg/m ³	V0
Praseodymium	0.000002	0.000016	µg/m ³	V0
Neodymium	0.000005	0.000062	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000488	µg/m ³	V0
Tungsten	0.000005	0.000156	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000241	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300899
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.5	°C	
Pressure		720.2	mmHg	
Particulate Matter	0.042	7.500	µg/m ³	V0
Lithium	0.000016	0.000312	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.150603	µg/m ³	V0
Magnesium	0.000279	0.077155	µg/m ³	V0
Aluminum	0.002800	0.176342	µg/m ³	V0
Silicon	0.010200	0.210035	µg/m ³	V0
Phosphorus	0.003480	0.037387	µg/m ³	V0
Potassium	0.000402	0.066666	µg/m ³	V0
Calcium	0.013042	0.277856	µg/m ³	V0
Titanium	0.000031	0.009329	µg/m ³	V0
Vanadium	0.000018	0.002791	µg/m ³	V0
Chromium	0.000045	0.001671	µg/m ³	V0
Manganese	0.000028	0.002726	µg/m ³	V0
Iron	0.001585	0.120775	µg/m ³	V0
Cobalt	0.000005	0.000293	µg/m ³	V0
Nickel	0.000015	0.001445	µg/m ³	V0
Copper	0.000027	0.000714	µg/m ³	V0
Zinc	0.000149	0.006005	µg/m ³	V0
Arsenic	0.000005	0.000078	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000289	µg/m ³	V0
Strontium	0.000012	0.000893	µg/m ³	V0
Niobium	0.000006	0.000069	µg/m ³	V0
Molybdenum	0.000025	0.000364	µg/m ³	V0
Palladium	0.000050	0.000080	µg/m ³	V0
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000128	µg/m ³	V0
Antimony	0.000016	0.000075	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.001938	µg/m ³	V0
Lanthanum	0.000004	0.000138	µg/m ³	V0
Cerium	0.000013	0.000226	µg/m ³	V0
Praseodymium	0.000002	0.000027	µg/m ³	V0
Neodymium	0.000005	0.000103	µg/m ³	V0
Samarium	0.000006	0.000020	µg/m ³	V0
Tantalum	0.000003	0.000102	µg/m ³	V0
Tungsten	0.000005	0.000151	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000022	µg/m ³	V0
Lead	0.000018	0.000547	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000038	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220300903
Start Date:	2022-03-14 10:15	End Date:	2022-03-14 10:16	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.375	µg/m ³	V0
Lithium	0.000016	0.000074	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.013129	µg/m ³	V0
Aluminum	0.002800	0.021307	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.046073	µg/m ³	V0
Potassium	0.000402	0.005590	µg/m ³	V0
Calcium	0.013042	0.019051	µg/m ³	V0
Titanium	0.000031	0.000405	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000809	µg/m ³	V0
Manganese	0.000028	0.000139	µg/m ³	V0
Iron	0.001585	0.012784	µg/m ³	V0
Cobalt	0.000005	0.000070	µg/m ³	V0
Nickel	0.000015	0.000336	µg/m ³	V0
Copper	0.000027	0.000498	µg/m ³	V0
Zinc	0.000149	0.005562	µg/m ³	V0
Arsenic	0.000005	0.000013	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000011	µg/m ³	V0
Strontium	0.000012	0.000032	µg/m ³	V0
Niobium	0.000006	0.000061	µg/m ³	V0
Molybdenum	0.000025	0.000089	µg/m ³	V0
Palladium	0.000050	0.000090	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000152	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000137	µg/m ³	V0
Tungsten	0.000005	0.000111	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000028	µg/m ³	V0
Lead	0.000018	0.000042	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300907
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.0	°C	
Pressure		711.7	mmHg	
Particulate Matter	0.042	6.167	µg/m ³	V0
Lithium	0.000016	0.000192	µg/m ³	V0
Beryllium	0.000013	0.000025	µg/m ³	V0
Sodium	0.000777	0.062375	µg/m ³	V0
Magnesium	0.000279	0.067513	µg/m ³	V0
Aluminum	0.002800	0.057564	µg/m ³	V0
Silicon	0.010200	0.198008	µg/m ³	V0
Phosphorus	0.003480	0.057252	µg/m ³	V0
Potassium	0.000402	0.031221	µg/m ³	V0
Calcium	0.013042	0.100068	µg/m ³	V0
Titanium	0.000031	0.003468	µg/m ³	V0
Vanadium	0.000018	0.000257	µg/m ³	V0
Chromium	0.000045	0.000655	µg/m ³	V0
Manganese	0.000028	0.001625	µg/m ³	V0
Iron	0.001585	0.075615	µg/m ³	V0
Cobalt	0.000005	0.000186	µg/m ³	V0
Nickel	0.000015	0.000366	µg/m ³	V0
Copper	0.000027	0.000540	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000644	µg/m ³	V0
Selenium	0.000133	0.000152	µg/m ³	V0
Rubidium	0.000003	0.000167	µg/m ³	V0
Strontium	0.000012	0.000354	µg/m ³	V0
Niobium	0.000006	0.000396	µg/m ³	V0
Molybdenum	0.000025	0.000241	µg/m ³	V0
Palladium	0.000050	0.000345	µg/m ³	V0
Silver	0.000006	0.000080	µg/m ³	V0
Cadmium	0.000011	0.000049	µg/m ³	V0
Tin	0.000008	0.000281	µg/m ³	V0
Antimony	0.000016	0.000152	µg/m ³	V0
Cesium	0.000004	0.000038	µg/m ³	V0
Barium	0.000054	0.001018	µg/m ³	V0
Lanthanum	0.000004	0.000054	µg/m ³	V0
Cerium	0.000013	0.000100	µg/m ³	V0
Praseodymium	0.000002	0.000028	µg/m ³	V0
Neodymium	0.000005	0.000092	µg/m ³	V0
Samarium	0.000006	0.000065	µg/m ³	V0
Tantalum	0.000003	0.002282	µg/m ³	V0
Tungsten	0.000005	0.001539	µg/m ³	V0
Platinum	0.000004	0.000040	µg/m ³	V0
Thallium	0.000005	0.000270	µg/m ³	V0
Lead	0.000018	0.002519	µg/m ³	V0
Bismuth	0.000004	0.000088	µg/m ³	V0
Thorium	0.000002	0.000056	µg/m ³	V0
Uranium	0.000003	0.000034	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300917
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.0	°C	
Pressure		727.7	mmHg	
Particulate Matter	0.042	0.625	µg/m ³	V0
Lithium	0.000016	0.000022	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.010883	µg/m ³	V0
Aluminum	0.002800	0.018930	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.065089	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.031406	µg/m ³	V0
Titanium	0.000031	0.000348	µg/m ³	V0
Vanadium	0.000018	0.000371	µg/m ³	V0
Chromium	0.000045	0.005332	µg/m ³	V0
Manganese	0.000028	0.000289	µg/m ³	V0
Iron	0.001585	0.041799	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000362	µg/m ³	V0
Copper	0.000027	0.000097	µg/m ³	V0
Zinc	0.000149	0.002352	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000009	µg/m ³	V0
Strontium	0.000012	0.000061	µg/m ³	V0
Niobium	0.000006	0.000085	µg/m ³	V0
Molybdenum	0.000025	0.000259	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000088	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000437	µg/m ³	V0
Tungsten	0.000005	0.000074	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300922
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.9	°C	
Pressure		704.3	mmHg	
Particulate Matter	0.042	3.583	µg/m ³	V0
Lithium	0.000016	0.000142	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.085137	µg/m ³	V0
Magnesium	0.000279	0.055941	µg/m ³	V0
Aluminum	0.002800	0.072950	µg/m ³	V0
Silicon	0.010200	0.251603	µg/m ³	V0
Phosphorus	0.003480	0.053617	µg/m ³	V0
Potassium	0.000402	0.034796	µg/m ³	V0
Calcium	0.013042	0.120810	µg/m ³	V0
Titanium	0.000031	0.003906	µg/m ³	V0
Vanadium	0.000018	0.000221	µg/m ³	V0
Chromium	0.000045	0.000894	µg/m ³	V0
Manganese	0.000028	0.002127	µg/m ³	V0
Iron	0.001585	0.137734	µg/m ³	V0
Cobalt	0.000005	0.000154	µg/m ³	V0
Nickel	0.000015	0.000247	µg/m ³	V0
Copper	0.000027	0.000196	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000079	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000134	µg/m ³	V0
Strontium	0.000012	0.000418	µg/m ³	V0
Niobium	0.000006	0.000157	µg/m ³	V0
Molybdenum	0.000025	0.000128	µg/m ³	V0
Palladium	0.000050	0.000119	µg/m ³	V0
Silver	0.000006	0.000026	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000129	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000012	µg/m ³	V0
Barium	0.000054	0.001222	µg/m ³	V0
Lanthanum	0.000004	0.000054	µg/m ³	V0
Cerium	0.000013	0.000116	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000056	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000401	µg/m ³	V0
Tungsten	0.000005	0.000444	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000062	µg/m ³	V0
Lead	0.000018	0.000170	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000024	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00
		Set Index:	1
		WBEA ID:	220300927
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.7	°C	
Pressure		730.4	mmHg	
Particulate Matter	0.042	3.125	µg/m ³	V0
Lithium	0.000016	0.000164	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035491	µg/m ³	V0
Magnesium	0.000279	0.018265	µg/m ³	V0
Aluminum	0.002800	0.050664	µg/m ³	V0
Silicon	0.010200	0.170185	µg/m ³	V0
Phosphorus	0.003480	0.046404	µg/m ³	V0
Potassium	0.000402	0.022784	µg/m ³	V0
Calcium	0.013042	0.082161	µg/m ³	V0
Titanium	0.000031	0.002457	µg/m ³	V0
Vanadium	0.000018	0.000272	µg/m ³	V0
Chromium	0.000045	0.000816	µg/m ³	V0
Manganese	0.000028	0.000694	µg/m ³	V0
Iron	0.001585	0.036657	µg/m ³	V0
Cobalt	0.000005	0.000056	µg/m ³	V0
Nickel	0.000015	0.000257	µg/m ³	V0
Copper	0.000027	0.000793	µg/m ³	V0
Zinc	0.000149	0.002457	µg/m ³	V0
Arsenic	0.000005	0.000187	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000067	µg/m ³	V0
Strontium	0.000012	0.000216	µg/m ³	V0
Niobium	0.000006	0.000239	µg/m ³	V0
Molybdenum	0.000025	0.000148	µg/m ³	V0
Palladium	0.000050	0.000108	µg/m ³	V0
Silver	0.000006	0.000032	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000148	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001175	µg/m ³	V0
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000049	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000025	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.001066	µg/m ³	V0
Tungsten	0.000005	0.000258	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000080	µg/m ³	V0
Lead	0.000018	0.000104	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300932
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.7	°C	
Pressure		724.6	mmHg	
Particulate Matter	0.042	6.000	µg/m ³	V0
Lithium	0.000016	0.000207	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.034387	µg/m ³	V0
Magnesium	0.000279	0.041221	µg/m ³	V0
Aluminum	0.002800	0.148633	µg/m ³	V0
Silicon	0.010200	0.480385	µg/m ³	V0
Phosphorus	0.003480	0.087517	µg/m ³	V0
Potassium	0.000402	0.032699	µg/m ³	V0
Calcium	0.013042	0.062675	µg/m ³	V0
Titanium	0.000031	0.005862	µg/m ³	V0
Vanadium	0.000018	0.000348	µg/m ³	V0
Chromium	0.000045	0.000580	µg/m ³	V0
Manganese	0.000028	0.002605	µg/m ³	V0
Iron	0.001585	0.086543	µg/m ³	V0
Cobalt	0.000005	0.000107	µg/m ³	V0
Nickel	0.000015	0.000503	µg/m ³	V0
Copper	0.000027	0.000632	µg/m ³	V0
Zinc	0.000149	0.012369	µg/m ³	V0
Arsenic	0.000005	0.000016	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000182	µg/m ³	V0
Strontium	0.000012	0.000396	µg/m ³	V0
Niobium	0.000006	0.000134	µg/m ³	V0
Molybdenum	0.000025	0.000214	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000141	µg/m ³	V0
Antimony	0.000016	0.000042	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.001551	µg/m ³	V0
Lanthanum	0.000004	0.000295	µg/m ³	V0
Cerium	0.000013	0.000560	µg/m ³	V0
Praseodymium	0.000002	0.000018	µg/m ³	V0
Neodymium	0.000005	0.000069	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000405	µg/m ³	V0
Tungsten	0.000005	0.000279	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000120	µg/m ³	V0
Bismuth	0.000004	0.000058	µg/m ³	V0
Thorium	0.000002	0.000027	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300939	
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.8	°C	
Pressure		729.5	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Lithium	0.000016	0.000077	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.038665	µg/m ³	V0
Magnesium	0.000279	0.032811	µg/m ³	V0
Aluminum	0.002800	0.061990	µg/m ³	V0
Silicon	0.010200	0.161992	µg/m ³	V0
Phosphorus	0.003480	0.095349	µg/m ³	V0
Potassium	0.000402	0.025377	µg/m ³	V0
Calcium	0.013042	0.048364	µg/m ³	V0
Titanium	0.000031	0.002392	µg/m ³	V0
Vanadium	0.000018	0.000126	µg/m ³	V0
Chromium	0.000045	0.001285	µg/m ³	V0
Manganese	0.000028	0.001558	µg/m ³	V0
Iron	0.001585	0.051844	µg/m ³	V0
Cobalt	0.000005	0.000058	µg/m ³	V0
Nickel	0.000015	0.000581	µg/m ³	V0
Copper	0.000027	0.000505	µg/m ³	V0
Zinc	0.000149	0.011666	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000088	µg/m ³	V0
Strontium	0.000012	0.000208	µg/m ³	V0
Niobium	0.000006	0.000102	µg/m ³	V0
Molybdenum	0.000025	0.000138	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000101	µg/m ³	V0
Antimony	0.000016	0.000038	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000677	µg/m ³	V0
Lanthanum	0.000004	0.000019	µg/m ³	V0
Cerium	0.000013	0.000064	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000351	µg/m ³	V0
Tungsten	0.000005	0.000182	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000114	µg/m ³	V0
Bismuth	0.000004	0.000034	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220300959
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.9	°C	
Pressure		727.0	mmHg	
Particulate Matter	0.042	1.708	µg/m ³	V0
Lithium	0.000016	0.000043	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.037519	µg/m ³	V0
Magnesium	0.000279	0.010168	µg/m ³	V0
Aluminum	0.002800	0.032000	µg/m ³	V0
Silicon	0.010200	0.145082	µg/m ³	V0
Phosphorus	0.003480	0.067395	µg/m ³	V0
Potassium	0.000402	0.007408	µg/m ³	V0
Calcium	0.013042	0.026968	µg/m ³	V0
Titanium	0.000031	0.001112	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000603	µg/m ³	V0
Manganese	0.000028	0.000322	µg/m ³	V0
Iron	0.001585	0.019231	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000148	µg/m ³	V0
Copper	0.000027	0.000081	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000034	µg/m ³	V0
Strontium	0.000012	0.000099	µg/m ³	V0
Niobium	0.000006	0.000074	µg/m ³	V0
Molybdenum	0.000025	0.000040	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000060	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000154	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000328	µg/m ³	V0
Tungsten	0.000005	0.000108	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000045	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220300969
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.8	°C	
Pressure		721.3	mmHg	
Particulate Matter	0.042	3.333	µg/m ³	V0
Lithium	0.000016	0.000110	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.154689	µg/m ³	V0
Magnesium	0.000279	0.021187	µg/m ³	V0
Aluminum	0.002800	0.046917	µg/m ³	V0
Silicon	0.010200	0.087760	µg/m ³	V0
Phosphorus	0.003480	0.034958	µg/m ³	V0
Potassium	0.000402	0.030513	µg/m ³	V0
Calcium	0.013042	0.082219	µg/m ³	V0
Titanium	0.000031	0.002039	µg/m ³	V0
Vanadium	0.000018	0.000257	µg/m ³	V0
Chromium	0.000045	0.000706	µg/m ³	V0
Manganese	0.000028	0.001086	µg/m ³	V0
Iron	0.001585	0.058337	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000278	µg/m ³	V0
Copper	0.000027	0.004640	µg/m ³	V0
Zinc	0.000149	0.006950	µg/m ³	V0
Arsenic	0.000005	0.000073	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000067	µg/m ³	V0
Strontium	0.000012	0.000298	µg/m ³	V0
Niobium	0.000006	0.000110	µg/m ³	V0
Molybdenum	0.000025	0.000148	µg/m ³	V0
Palladium	0.000050	0.000084	µg/m ³	V0
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000376	µg/m ³	V0
Antimony	0.000016	0.000192	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001964	µg/m ³	V0
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	0.000077	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000024	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000530	µg/m ³	V0
Tungsten	0.000005	0.000191	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000045	µg/m ³	V0
Lead	0.000018	0.000310	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300976
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		710.1	mmHg	
Particulate Matter	0.042	1.625	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.025078	µg/m ³	V0
Magnesium	0.000279	0.017073	µg/m ³	V0
Aluminum	0.002800	0.034349	µg/m ³	V0
Silicon	0.010200	0.064891	µg/m ³	V0
Phosphorus	0.003480	0.083851	µg/m ³	V0
Potassium	0.000402	0.009969	µg/m ³	V0
Calcium	0.013042	0.022742	µg/m ³	V0
Titanium	0.000031	0.001053	µg/m ³	V0
Vanadium	0.000018	0.000084	µg/m ³	V0
Chromium	0.000045	0.000758	µg/m ³	V0
Manganese	0.000028	0.000379	µg/m ³	V0
Iron	0.001585	0.017903	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000334	µg/m ³	V0
Copper	0.000027	0.000299	µg/m ³	V0
Zinc	0.000149	0.002637	µg/m ³	V0
Arsenic	0.000005	0.000031	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000043	µg/m ³	V0
Strontium	0.000012	0.000118	µg/m ³	V0
Niobium	0.000006	0.000144	µg/m ³	V0
Molybdenum	0.000025	0.000122	µg/m ³	V0
Palladium	0.000050	0.000137	µg/m ³	V0
Silver	0.000006	0.000033	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000071	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.000200	µg/m ³	V0
Lanthanum	0.000004	0.000015	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000444	µg/m ³	V0
Tungsten	0.000005	0.000260	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000064	µg/m ³	V0
Lead	0.000018	0.000072	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220300982
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.0	°C	
Pressure		731.4	mmHg	
Particulate Matter	0.042	11.708	µg/m ³	V0
Lithium	0.000016	0.000128	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	1.374693	µg/m ³	V0
Magnesium	0.000279	0.037889	µg/m ³	V0
Aluminum	0.002800	0.052924	µg/m ³	V0
Silicon	0.010200	0.163604	µg/m ³	V0
Phosphorus	0.003480	0.031624	µg/m ³	V0
Potassium	0.000402	0.087736	µg/m ³	V0
Calcium	0.013042	0.156902	µg/m ³	V0
Titanium	0.000031	0.004501	µg/m ³	V0
Vanadium	0.000018	0.000507	µg/m ³	V0
Chromium	0.000045	0.001351	µg/m ³	V0
Manganese	0.000028	0.002332	µg/m ³	V0
Iron	0.001585	0.144396	µg/m ³	V0
Cobalt	0.000005	0.000185	µg/m ³	V0
Nickel	0.000015	0.000376	µg/m ³	V0
Copper	0.000027	0.002550	µg/m ³	V0
Zinc	0.000149	0.005153	µg/m ³	V0
Arsenic	0.000005	0.000058	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000122	µg/m ³	V0
Strontium	0.000012	0.001176	µg/m ³	V0
Niobium	0.000006	0.000068	µg/m ³	V0
Molybdenum	0.000025	0.000299	µg/m ³	V0
Palladium	0.000050	0.000073	µg/m ³	V0
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000376	µg/m ³	V0
Antimony	0.000016	0.000389	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.004885	µg/m ³	V0
Lanthanum	0.000004	0.000047	µg/m ³	V0
Cerium	0.000013	0.000127	µg/m ³	V0
Praseodymium	0.000002	0.000013	µg/m ³	V0
Neodymium	0.000005	0.000044	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000295	µg/m ³	V0
Tungsten	0.000005	0.000363	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000023	µg/m ³	V0
Lead	0.000018	0.000103	µg/m ³	V0
Bismuth	0.000004	0.001076	µg/m ³	V4
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220301015
Start Date:	2022-03-22 12:20	End Date:	2022-03-22 12:21	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000021	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.011972	µg/m ³	V0
Aluminum	0.002800	0.028943	µg/m ³	V0
Silicon	0.010200	0.017402	µg/m ³	V0
Phosphorus	0.003480	0.064214	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.037531	µg/m ³	V0
Titanium	0.000031	0.000483	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000877	µg/m ³	V0
Manganese	0.000028	0.000259	µg/m ³	V0
Iron	0.001585	0.010306	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000263	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001483	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000009	µg/m ³	V0
Strontium	0.000012	0.000065	µg/m ³	V0
Niobium	0.000006	0.000066	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000042	µg/m ³	V0
Tin	0.000008	0.000099	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000236	µg/m ³	V0
Tungsten	0.000005	0.000063	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300990
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.0	°C	
Pressure		739.9	mmHg	
Particulate Matter	0.042	3.458	µg/m ³	V0
Lithium	0.000016	0.000081	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.141603	µg/m ³	V0
Magnesium	0.000279	0.036226	µg/m ³	V0
Aluminum	0.002800	0.042070	µg/m ³	V0
Silicon	0.010200	0.202899	µg/m ³	V0
Phosphorus	0.003480	0.073667	µg/m ³	V0
Potassium	0.000402	0.016901	µg/m ³	V0
Calcium	0.013042	0.046185	µg/m ³	V0
Titanium	0.000031	0.002044	µg/m ³	V0
Vanadium	0.000018	0.000026	µg/m ³	V0
Chromium	0.000045	0.000755	µg/m ³	V0
Manganese	0.000028	0.000457	µg/m ³	V0
Iron	0.001585	0.021776	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000285	µg/m ³	V0
Copper	0.000027	0.000145	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000005	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000056	µg/m ³	V0
Strontium	0.000012	0.000397	µg/m ³	V0
Niobium	0.000006	0.000077	µg/m ³	V0
Molybdenum	0.000025	0.000038	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000079	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000388	µg/m ³	V0
Lanthanum	0.000004	0.000030	µg/m ³	V0
Cerium	0.000013	0.000061	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000026	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000402	µg/m ³	V0
Tungsten	0.000005	0.000091	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000212	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000010	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220300994
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.9	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	18.500	µg/m ³	V0
Lithium	0.000016	0.000972	µg/m ³	V0
Beryllium	0.000013	0.000034	µg/m ³	V0
Sodium	0.000777	0.240186	µg/m ³	V0
Magnesium	0.000279	0.243665	µg/m ³	V0
Aluminum	0.002800	0.772279	µg/m ³	V0
Silicon	0.010200	0.712605	µg/m ³	V0
Phosphorus	0.003480	0.073841	µg/m ³	V0
Potassium	0.000402	0.214902	µg/m ³	V0
Calcium	0.013042	0.930350	µg/m ³	V0
Titanium	0.000031	0.034102	µg/m ³	V0
Vanadium	0.000018	0.003119	µg/m ³	V0
Chromium	0.000045	0.001241	µg/m ³	V0
Manganese	0.000028	0.017859	µg/m ³	V0
Iron	0.001585	1.132147	µg/m ³	V0
Cobalt	0.000005	0.000566	µg/m ³	V0
Nickel	0.000015	0.000689	µg/m ³	V0
Copper	0.000027	0.000791	µg/m ³	V0
Zinc	0.000149	0.000262	µg/m ³	V0
Arsenic	0.000005	0.000191	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001107	µg/m ³	V0
Strontium	0.000012	0.003824	µg/m ³	V0
Niobium	0.000006	0.000184	µg/m ³	V0
Molybdenum	0.000025	0.000150	µg/m ³	V0
Palladium	0.000050	0.000084	µg/m ³	V0
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000194	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	0.000056	µg/m ³	V0
Barium	0.000054	0.008529	µg/m ³	V0
Lanthanum	0.000004	0.000489	µg/m ³	V0
Cerium	0.000013	0.001082	µg/m ³	V0
Praseodymium	0.000002	0.000131	µg/m ³	V0
Neodymium	0.000005	0.000508	µg/m ³	V0
Samarium	0.000006	0.000102	µg/m ³	V0
Tantalum	0.000003	0.000293	µg/m ³	V0
Tungsten	0.000005	0.000345	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000695	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000189	µg/m ³	V0
Uranium	0.000003	0.000049	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220300997
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.9	°C	
Pressure		741.5	mmHg	
Particulate Matter	0.042	11.000	µg/m ³	V0
Lithium	0.000016	0.000727	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.177992	µg/m ³	V0
Magnesium	0.000279	0.102994	µg/m ³	V0
Aluminum	0.002800	0.468431	µg/m ³	V0
Silicon	0.010200	1.132383	µg/m ³	V0
Phosphorus	0.003480	0.077051	µg/m ³	V0
Potassium	0.000402	0.134500	µg/m ³	V0
Calcium	0.013042	0.355090	µg/m ³	V0
Titanium	0.000031	0.022303	µg/m ³	V0
Vanadium	0.000018	0.001828	µg/m ³	V0
Chromium	0.000045	0.001318	µg/m ³	V0
Manganese	0.000028	0.006470	µg/m ³	V0
Iron	0.001585	0.358398	µg/m ³	V0
Cobalt	0.000005	0.000320	µg/m ³	V0
Nickel	0.000015	0.000689	µg/m ³	V0
Copper	0.000027	0.000410	µg/m ³	V0
Zinc	0.000149	0.001116	µg/m ³	V0
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000675	µg/m ³	V0
Strontium	0.000012	0.001770	µg/m ³	V0
Niobium	0.000006	0.000135	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	0.000062	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000169	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000037	µg/m ³	V0
Barium	0.000054	0.003785	µg/m ³	V0
Lanthanum	0.000004	0.000254	µg/m ³	V0
Cerium	0.000013	0.000570	µg/m ³	V0
Praseodymium	0.000002	0.000070	µg/m ³	V0
Neodymium	0.000005	0.000276	µg/m ³	V0
Samarium	0.000006	0.000054	µg/m ³	V0
Tantalum	0.000003	0.000323	µg/m ³	V0
Tungsten	0.000005	0.000137	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000488	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000102	µg/m ³	V0
Uranium	0.000003	0.000030	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220301001
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.0	°C	
Pressure		711.5	mmHg	
Particulate Matter	0.042	2.000	µg/m ³	V0
Lithium	0.000016	0.000109	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.029690	µg/m ³	V0
Magnesium	0.000279	0.008835	µg/m ³	V0
Aluminum	0.002800	0.015319	µg/m ³	V0
Silicon	0.010200	0.069463	µg/m ³	V0
Phosphorus	0.003480	0.035501	µg/m ³	V0
Potassium	0.000402	0.014765	µg/m ³	V0
Calcium	0.013042	0.026280	µg/m ³	V0
Titanium	0.000031	0.000905	µg/m ³	V0
Vanadium	0.000018	0.000273	µg/m ³	V0
Chromium	0.000045	0.000399	µg/m ³	V0
Manganese	0.000028	0.000322	µg/m ³	V0
Iron	0.001585	0.019693	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000206	µg/m ³	V0
Copper	0.000027	0.000041	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000103	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000029	µg/m ³	V0
Strontium	0.000012	0.000122	µg/m ³	V0
Niobium	0.000006	0.000144	µg/m ³	V0
Molybdenum	0.000025	0.000085	µg/m ³	V0
Palladium	0.000050	0.000076	µg/m ³	V0
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000083	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000193	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000740	µg/m ³	V0
Tungsten	0.000005	0.000179	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000057	µg/m ³	V0
Lead	0.000018	0.000078	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220301010
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.7	°C	
Pressure		738.1	mmHg	
Particulate Matter	0.042	4.958	µg/m ³	V0
Lithium	0.000016	0.000206	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.149355	µg/m ³	V0
Magnesium	0.000279	0.066509	µg/m ³	V0
Aluminum	0.002800	0.133836	µg/m ³	V0
Silicon	0.010200	0.427179	µg/m ³	V0
Phosphorus	0.003480	0.073874	µg/m ³	V0
Potassium	0.000402	0.043925	µg/m ³	V0
Calcium	0.013042	0.104987	µg/m ³	V0
Titanium	0.000031	0.006088	µg/m ³	V0
Vanadium	0.000018	0.000564	µg/m ³	V0
Chromium	0.000045	0.001561	µg/m ³	V0
Manganese	0.000028	0.002314	µg/m ³	V0
Iron	0.001585	0.157531	µg/m ³	V0
Cobalt	0.000005	0.000112	µg/m ³	V0
Nickel	0.000015	0.000389	µg/m ³	V0
Copper	0.000027	0.000359	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000043	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000201	µg/m ³	V0
Strontium	0.000012	0.000756	µg/m ³	V0
Niobium	0.000006	0.000104	µg/m ³	V0
Molybdenum	0.000025	0.000111	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000119	µg/m ³	V0
Antimony	0.000016	0.000024	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.001352	µg/m ³	V0
Lanthanum	0.000004	0.000071	µg/m ³	V0
Cerium	0.000013	0.000155	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000072	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000330	µg/m ³	V0
Tungsten	0.000005	0.000128	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000316	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301020	
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.0	°C	
Pressure		740.5	mmHg	
Particulate Matter	0.042	15.042	µg/m ³	V0
Lithium	0.000016	0.001237	µg/m ³	V0
Beryllium	0.000013	0.000033	µg/m ³	V0
Sodium	0.000777	0.225150	µg/m ³	V0
Magnesium	0.000279	0.169501	µg/m ³	V0
Aluminum	0.002800	0.876593	µg/m ³	V0
Silicon	0.010200	0.978225	µg/m ³	V0
Phosphorus	0.003480	0.087729	µg/m ³	V0
Potassium	0.000402	0.235075	µg/m ³	V0
Calcium	0.013042	0.432013	µg/m ³	V0
Titanium	0.000031	0.035735	µg/m ³	V0
Vanadium	0.000018	0.003134	µg/m ³	V0
Chromium	0.000045	0.001423	µg/m ³	V0
Manganese	0.000028	0.009989	µg/m ³	V0
Iron	0.001585	0.551498	µg/m ³	V0
Cobalt	0.000005	0.000500	µg/m ³	V0
Nickel	0.000015	0.000819	µg/m ³	V0
Copper	0.000027	0.000634	µg/m ³	V0
Zinc	0.000149	0.011957	µg/m ³	V0
Arsenic	0.000005	0.000156	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001140	µg/m ³	V0
Strontium	0.000012	0.002708	µg/m ³	V0
Niobium	0.000006	0.000160	µg/m ³	V0
Molybdenum	0.000025	0.000117	µg/m ³	V0
Palladium	0.000050	0.000079	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000128	µg/m ³	V0
Antimony	0.000016	0.000037	µg/m ³	V0
Cesium	0.000004	0.000063	µg/m ³	V0
Barium	0.000054	0.008652	µg/m ³	V0
Lanthanum	0.000004	0.000415	µg/m ³	V0
Cerium	0.000013	0.000945	µg/m ³	V0
Praseodymium	0.000002	0.000115	µg/m ³	V0
Neodymium	0.000005	0.000461	µg/m ³	V0
Samarium	0.000006	0.000095	µg/m ³	V0
Tantalum	0.000003	0.000233	µg/m ³	V0
Tungsten	0.000005	0.000183	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000682	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000168	µg/m ³	V0
Uranium	0.000003	0.000046	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301033
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.9	°C	
Pressure		719.7	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Lithium	0.000016	0.000134	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.070241	µg/m ³	V0
Magnesium	0.000279	0.032842	µg/m ³	V0
Aluminum	0.002800	0.057645	µg/m ³	V0
Silicon	0.010200	0.090443	µg/m ³	V0
Phosphorus	0.003480	0.020958	µg/m ³	V0
Potassium	0.000402	0.030666	µg/m ³	V0
Calcium	0.013042	0.096022	µg/m ³	V0
Titanium	0.000031	0.002842	µg/m ³	V0
Vanadium	0.000018	0.001319	µg/m ³	V0
Chromium	0.000045	0.002071	µg/m ³	V0
Manganese	0.000028	0.001288	µg/m ³	V0
Iron	0.001585	0.062330	µg/m ³	V0
Cobalt	0.000005	0.000066	µg/m ³	V0
Nickel	0.000015	0.000437	µg/m ³	V0
Copper	0.000027	0.000232	µg/m ³	V0
Zinc	0.000149	0.000209	µg/m ³	V0
Arsenic	0.000005	0.000075	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000098	µg/m ³	V0
Strontium	0.000012	0.000393	µg/m ³	V0
Niobium	0.000006	0.000047	µg/m ³	V0
Molybdenum	0.000025	0.000220	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000105	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000787	µg/m ³	V0
Lanthanum	0.000004	0.000039	µg/m ³	V0
Cerium	0.000013	0.000097	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000042	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000183	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000210	µg/m ³	V0
Bismuth	0.000004	0.000041	µg/m ³	V0
Thorium	0.000002	0.000018	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301056
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.8	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	11.875	µg/m ³	V0
Lithium	0.000016	0.000436	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.212353	µg/m ³	V0
Magnesium	0.000279	0.078494	µg/m ³	V0
Aluminum	0.002800	0.298585	µg/m ³	V0
Silicon	0.010200	0.657712	µg/m ³	V0
Phosphorus	0.003480	0.036275	µg/m ³	V0
Potassium	0.000402	0.105455	µg/m ³	V0
Calcium	0.013042	0.586973	µg/m ³	V0
Titanium	0.000031	0.011438	µg/m ³	V0
Vanadium	0.000018	0.004627	µg/m ³	V0
Chromium	0.000045	0.001262	µg/m ³	V0
Manganese	0.000028	0.003643	µg/m ³	V0
Iron	0.001585	0.191638	µg/m ³	V0
Cobalt	0.000005	0.000256	µg/m ³	V0
Nickel	0.000015	0.000823	µg/m ³	V0
Copper	0.000027	0.000681	µg/m ³	V0
Zinc	0.000149	0.002398	µg/m ³	V0
Arsenic	0.000005	0.000147	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000494	µg/m ³	V0
Strontium	0.000012	0.001642	µg/m ³	V0
Niobium	0.000006	0.000131	µg/m ³	V0
Molybdenum	0.000025	0.000464	µg/m ³	V0
Palladium	0.000050	0.000111	µg/m ³	V0
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000156	µg/m ³	V0
Antimony	0.000016	0.000098	µg/m ³	V0
Cesium	0.000004	0.000026	µg/m ³	V0
Barium	0.000054	0.003286	µg/m ³	V0
Lanthanum	0.000004	0.000172	µg/m ³	V0
Cerium	0.000013	0.000387	µg/m ³	V0
Praseodymium	0.000002	0.000047	µg/m ³	V0
Neodymium	0.000005	0.000184	µg/m ³	V0
Samarium	0.000006	0.000035	µg/m ³	V0
Tantalum	0.000003	0.000449	µg/m ³	V0
Tungsten	0.000005	0.000230	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000035	µg/m ³	V0
Lead	0.000018	0.000405	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000063	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301063
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

Short sampling duration and low sample volume due to power failure.(85560/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.8	m ³	V6
Temperature		-7.0	°C	
Pressure		718.7	mmHg	
Particulate Matter	0.042	6.807	µg/m ³	V0
Lithium	0.000016	0.000208	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.068550	µg/m ³	V0
Magnesium	0.000279	0.037987	µg/m ³	V0
Aluminum	0.002800	0.097867	µg/m ³	V0
Silicon	0.010200	0.479581	µg/m ³	V0
Phosphorus	0.003480	0.042331	µg/m ³	V0
Potassium	0.000402	0.041355	µg/m ³	V0
Calcium	0.013042	0.157721	µg/m ³	V0
Titanium	0.000031	0.004788	µg/m ³	V0
Vanadium	0.000018	0.001750	µg/m ³	V0
Chromium	0.000045	0.000882	µg/m ³	V0
Manganese	0.000028	0.001528	µg/m ³	V0
Iron	0.001585	0.094181	µg/m ³	V0
Cobalt	0.000005	0.000118	µg/m ³	V0
Nickel	0.000015	0.000520	µg/m ³	V0
Copper	0.000027	0.000315	µg/m ³	V0
Zinc	0.000149	0.004447	µg/m ³	V0
Arsenic	0.000005	0.000103	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000172	µg/m ³	V0
Strontium	0.000012	0.000540	µg/m ³	V0
Niobium	0.000006	0.000119	µg/m ³	V0
Molybdenum	0.000025	0.000254	µg/m ³	V0
Palladium	0.000050	0.000071	µg/m ³	V0
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000076	µg/m ³	V0
Antimony	0.000016	0.000030	µg/m ³	V0
Cesium	0.000004	0.000012	µg/m ³	V0
Barium	0.000054	0.000939	µg/m ³	V0
Lanthanum	0.000004	0.000057	µg/m ³	V0
Cerium	0.000013	0.000136	µg/m ³	V0
Praseodymium	0.000002	0.000016	µg/m ³	V0
Neodymium	0.000005	0.000056	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000513	µg/m ³	V0
Tungsten	0.000005	0.000134	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000041	µg/m ³	V0
Lead	0.000018	0.000208	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000021	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220301067
Start Date:	2022-03-24 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-03-25 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.5	°C	
Pressure		741.9	mmHg	
Particulate Matter	0.042	11.375	µg/m ³	V0
Lithium	0.000016	0.000546	µg/m ³	V0
Beryllium	0.000013	0.000082	µg/m ³	V0
Sodium	0.000777	0.176508	µg/m ³	V0
Magnesium	0.000279	0.082700	µg/m ³	V0
Aluminum	0.002800	0.338166	µg/m ³	V0
Silicon	0.010200	0.961700	µg/m ³	V0
Phosphorus	0.003480	0.075366	µg/m ³	V0
Potassium	0.000402	0.124984	µg/m ³	V0
Calcium	0.013042	0.380909	µg/m ³	V0
Titanium	0.000031	0.014436	µg/m ³	V0
Vanadium	0.000018	0.003660	µg/m ³	V0
Chromium	0.000045	0.001768	µg/m ³	V0
Manganese	0.000028	0.004427	µg/m ³	V0
Iron	0.001585	0.203108	µg/m ³	V0
Cobalt	0.000005	0.000295	µg/m ³	V0
Nickel	0.000015	0.000784	µg/m ³	V0
Copper	0.000027	0.000688	µg/m ³	V0
Zinc	0.000149	0.006204	µg/m ³	V0
Arsenic	0.000005	0.000290	µg/m ³	V0
Selenium	0.000133	0.000203	µg/m ³	V0
Rubidium	0.000003	0.000601	µg/m ³	V0
Strontium	0.000012	0.001412	µg/m ³	V0
Niobium	0.000006	0.000452	µg/m ³	V0
Molybdenum	0.000025	0.000558	µg/m ³	V0
Palladium	0.000050	0.000370	µg/m ³	V0
Silver	0.000006	0.000096	µg/m ³	V0
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000211	µg/m ³	V0
Antimony	0.000016	0.000139	µg/m ³	V0
Cesium	0.000004	0.000062	µg/m ³	V0
Barium	0.000054	0.003038	µg/m ³	V0
Lanthanum	0.000004	0.000176	µg/m ³	V0
Cerium	0.000013	0.000376	µg/m ³	V0
Praseodymium	0.000002	0.000086	µg/m ³	V0
Neodymium	0.000005	0.000263	µg/m ³	V0
Samarium	0.000006	0.000107	µg/m ³	V0
Tantalum	0.000003	0.003063	µg/m ³	V0
Tungsten	0.000005	0.001712	µg/m ³	V0
Platinum	0.000004	0.000067	µg/m ³	V0
Thallium	0.000005	0.000316	µg/m ³	V0
Lead	0.000018	0.000469	µg/m ³	V0
Bismuth	0.000004	0.000130	µg/m ³	V0
Thorium	0.000002	0.000129	µg/m ³	V0
Uranium	0.000003	0.000076	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220301077
Start Date:	2022-03-25 08:02	End Date:	2022-03-25 08:03	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.012520	µg/m ³	V0
Aluminum	0.002800	0.022241	µg/m ³	V0
Silicon	0.010200	0.011357	µg/m ³	V0
Phosphorus	0.003480	0.096180	µg/m ³	V0
Potassium	0.000402	0.001540	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000548	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000686	µg/m ³	V0
Manganese	0.000028	0.000090	µg/m ³	V0
Iron	0.001585	0.015914	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000281	µg/m ³	V0
Copper	0.000027	0.000156	µg/m ³	V0
Zinc	0.000149	0.000674	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000009	µg/m ³	V0
Strontium	0.000012	0.000022	µg/m ³	V0
Niobium	0.000006	0.000066	µg/m ³	V0
Molybdenum	0.000025	0.000036	µg/m ³	V0
Palladium	0.000050	0.000095	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000045	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000265	µg/m ³	V0
Tungsten	0.000005	0.000056	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000021	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301083
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.8	°C	
Pressure		720.9	mmHg	
Particulate Matter	0.042	28.208	µg/m ³	V0
Lithium	0.000016	0.001559	µg/m ³	V0
Beryllium	0.000013	0.000042	µg/m ³	V0
Sodium	0.000777	0.173674	µg/m ³	V0
Magnesium	0.000279	0.190017	µg/m ³	V0
Aluminum	0.002800	0.896087	µg/m ³	V0
Silicon	0.010200	1.195857	µg/m ³	V0
Phosphorus	0.003480	0.054559	µg/m ³	V0
Potassium	0.000402	0.291037	µg/m ³	V0
Calcium	0.013042	1.167696	µg/m ³	V0
Titanium	0.000031	0.050673	µg/m ³	V0
Vanadium	0.000018	0.008236	µg/m ³	V0
Chromium	0.000045	0.001710	µg/m ³	V0
Manganese	0.000028	0.014491	µg/m ³	V0
Iron	0.001585	0.657383	µg/m ³	V0
Cobalt	0.000005	0.000735	µg/m ³	V0
Nickel	0.000015	0.001841	µg/m ³	V0
Copper	0.000027	0.001688	µg/m ³	V0
Zinc	0.000149	0.005517	µg/m ³	V0
Arsenic	0.000005	0.000197	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001578	µg/m ³	V0
Strontium	0.000012	0.004039	µg/m ³	V0
Niobium	0.000006	0.000187	µg/m ³	V0
Molybdenum	0.000025	0.000510	µg/m ³	V0
Palladium	0.000050	0.000090	µg/m ³	V0
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000329	µg/m ³	V0
Antimony	0.000016	0.000374	µg/m ³	V0
Cesium	0.000004	0.000084	µg/m ³	V0
Barium	0.000054	0.009824	µg/m ³	V0
Lanthanum	0.000004	0.000803	µg/m ³	V0
Cerium	0.000013	0.001288	µg/m ³	V0
Praseodymium	0.000002	0.000153	µg/m ³	V0
Neodymium	0.000005	0.000588	µg/m ³	V0
Samarium	0.000006	0.000115	µg/m ³	V0
Tantalum	0.000003	0.000137	µg/m ³	V0
Tungsten	0.000005	0.000478	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000844	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000194	µg/m ³	V0
Uranium	0.000003	0.000064	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301090
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.5	°C	
Pressure		709.4	mmHg	
Particulate Matter	0.042	12.333	µg/m ³	V0
Lithium	0.000016	0.000554	µg/m ³	V0
Beryllium	0.000013	0.000023	µg/m ³	V0
Sodium	0.000777	0.063889	µg/m ³	V0
Magnesium	0.000279	0.080295	µg/m ³	V0
Aluminum	0.002800	0.352357	µg/m ³	V0
Silicon	0.010200	0.959625	µg/m ³	V0
Phosphorus	0.003480	0.081559	µg/m ³	V0
Potassium	0.000402	0.118357	µg/m ³	V0
Calcium	0.013042	0.467444	µg/m ³	V0
Titanium	0.000031	0.015565	µg/m ³	V0
Vanadium	0.000018	0.001759	µg/m ³	V0
Chromium	0.000045	0.001854	µg/m ³	V0
Manganese	0.000028	0.004555	µg/m ³	V0
Iron	0.001585	0.204112	µg/m ³	V0
Cobalt	0.000005	0.000261	µg/m ³	V0
Nickel	0.000015	0.000682	µg/m ³	V0
Copper	0.000027	0.000558	µg/m ³	V0
Zinc	0.000149	0.002404	µg/m ³	V0
Arsenic	0.000005	0.000098	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000572	µg/m ³	V0
Strontium	0.000012	0.001486	µg/m ³	V0
Niobium	0.000006	0.000216	µg/m ³	V0
Molybdenum	0.000025	0.000230	µg/m ³	V0
Palladium	0.000050	0.000157	µg/m ³	V0
Silver	0.000006	0.000034	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000111	µg/m ³	V0
Antimony	0.000016	0.000097	µg/m ³	V0
Cesium	0.000004	0.000034	µg/m ³	V0
Barium	0.000054	0.002867	µg/m ³	V0
Lanthanum	0.000004	0.000285	µg/m ³	V0
Cerium	0.000013	0.000365	µg/m ³	V0
Praseodymium	0.000002	0.000048	µg/m ³	V0
Neodymium	0.000005	0.000177	µg/m ³	V0
Samarium	0.000006	0.000035	µg/m ³	V0
Tantalum	0.000003	0.000527	µg/m ³	V0
Tungsten	0.000005	0.000416	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000065	µg/m ³	V0
Lead	0.000018	0.000365	µg/m ³	V0
Bismuth	0.000004	0.000022	µg/m ³	V0
Thorium	0.000002	0.000072	µg/m ³	V0
Uranium	0.000003	0.000024	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: **PM10 Metal**
Location: **Ells River**
Start Date: **2022-03-30 00:00**

Deployment Information

Samp Use: **Exposure**
Loc ID: **ELSR**
End Date: **2022-03-31 00:00**

Set Index: **1**
WBEA ID: **220301093**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.8	°C	
Pressure		727.2	mmHg	
Particulate Matter	0.042	17.542	µg/m ³	V0
Lithium	0.000016	0.001068	µg/m ³	V0
Beryllium	0.000013	0.000035	µg/m ³	V0
Sodium	0.000777	0.148424	µg/m ³	V0
Magnesium	0.000279	0.176781	µg/m ³	V0
Aluminum	0.002800	0.785703	µg/m ³	V0
Silicon	0.010200	0.965244	µg/m ³	V0
Phosphorus	0.003480	0.066426	µg/m ³	V0
Potassium	0.000402	0.212847	µg/m ³	V0
Calcium	0.013042	0.585867	µg/m ³	V0
Titanium	0.000031	0.027909	µg/m ³	V0
Vanadium	0.000018	0.003256	µg/m ³	V0
Chromium	0.000045	0.001469	µg/m ³	V0
Manganese	0.000028	0.011002	µg/m ³	V0
Iron	0.001585	0.704982	µg/m ³	V0
Cobalt	0.000005	0.000479	µg/m ³	V0
Nickel	0.000015	0.000834	µg/m ³	V0
Copper	0.000027	0.000798	µg/m ³	V0
Zinc	0.000149	0.003895	µg/m ³	V0
Arsenic	0.000005	0.000177	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001121	µg/m ³	V0
Strontium	0.000012	0.002858	µg/m ³	V0
Niobium	0.000006	0.000164	µg/m ³	V0
Molybdenum	0.000025	0.000201	µg/m ³	V0
Palladium	0.000050	0.000108	µg/m ³	V0
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000118	µg/m ³	V0
Antimony	0.000016	0.000079	µg/m ³	V0
Cesium	0.000004	0.000067	µg/m ³	V0
Barium	0.000054	0.007876	µg/m ³	V0
Lanthanum	0.000004	0.000429	µg/m ³	V0
Cerium	0.000013	0.000852	µg/m ³	V0
Praseodymium	0.000002	0.000107	µg/m ³	V0
Neodymium	0.000005	0.000417	µg/m ³	V0
Samarium	0.000006	0.000084	µg/m ³	V0
Tantalum	0.000003	0.000313	µg/m ³	V0
Tungsten	0.000005	0.000289	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	0.000711	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000154	µg/m ³	V0
Uranium	0.000003	0.000045	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00
		Set Index:	1
		WBEA ID:	220301096
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.9	°C	
Pressure		730.4	mmHg	
Particulate Matter	0.042	38.292	µg/m ³	V0
Lithium	0.000016	0.002139	µg/m ³	V0
Beryllium	0.000013	0.000050	µg/m ³	V0
Sodium	0.000777	0.093505	µg/m ³	V0
Magnesium	0.000279	0.174742	µg/m ³	V0
Aluminum	0.002800	1.135780	µg/m ³	V0
Silicon	0.010200	0.850661	µg/m ³	V0
Phosphorus	0.003480	0.074191	µg/m ³	V0
Potassium	0.000402	0.327214	µg/m ³	V0
Calcium	0.013042	0.846737	µg/m ³	V0
Titanium	0.000031	0.045205	µg/m ³	V0
Vanadium	0.000018	0.003804	µg/m ³	V0
Chromium	0.000045	0.002040	µg/m ³	V0
Manganese	0.000028	0.015224	µg/m ³	V0
Iron	0.001585	0.668816	µg/m ³	V0
Cobalt	0.000005	0.000587	µg/m ³	V0
Nickel	0.000015	0.000904	µg/m ³	V0
Copper	0.000027	0.001207	µg/m ³	V0
Zinc	0.000149	0.001032	µg/m ³	V0
Arsenic	0.000005	0.000132	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001734	µg/m ³	V0
Strontium	0.000012	0.003510	µg/m ³	V0
Niobium	0.000006	0.000174	µg/m ³	V0
Molybdenum	0.000025	0.000209	µg/m ³	V0
Palladium	0.000050	0.000116	µg/m ³	V0
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000145	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	0.000106	µg/m ³	V0
Barium	0.000054	0.008182	µg/m ³	V0
Lanthanum	0.000004	0.000578	µg/m ³	V0
Cerium	0.000013	0.001265	µg/m ³	V0
Praseodymium	0.000002	0.000152	µg/m ³	V0
Neodymium	0.000005	0.000599	µg/m ³	V0
Samarium	0.000006	0.000117	µg/m ³	V0
Tantalum	0.000003	0.000154	µg/m ³	V0
Tungsten	0.000005	0.000181	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000029	µg/m ³	V0
Lead	0.000018	0.000556	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000223	µg/m ³	V0
Uranium	0.000003	0.000062	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220301101
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.3	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	31.667	µg/m ³	V0
Lithium	0.000016	0.001337	µg/m ³	V0
Beryllium	0.000013	0.000050	µg/m ³	V0
Sodium	0.000777	0.372509	µg/m ³	V0
Magnesium	0.000279	0.216402	µg/m ³	V0
Aluminum	0.002800	0.812013	µg/m ³	V0
Silicon	0.010200	0.813272	µg/m ³	V0
Phosphorus	0.003480	0.084023	µg/m ³	V0
Potassium	0.000402	0.329500	µg/m ³	V0
Calcium	0.013042	1.850088	µg/m ³	V0
Titanium	0.000031	0.045019	µg/m ³	V0
Vanadium	0.000018	0.007054	µg/m ³	V0
Chromium	0.000045	0.002808	µg/m ³	V0
Manganese	0.000028	0.016351	µg/m ³	V0
Iron	0.001585	0.762389	µg/m ³	V0
Cobalt	0.000005	0.000857	µg/m ³	V0
Nickel	0.000015	0.001912	µg/m ³	V0
Copper	0.000027	0.002565	µg/m ³	V0
Zinc	0.000149	0.006012	µg/m ³	V0
Arsenic	0.000005	0.000383	µg/m ³	V0
Selenium	0.000133	0.000283	µg/m ³	V0
Rubidium	0.000003	0.001606	µg/m ³	V0
Strontium	0.000012	0.004971	µg/m ³	V0
Niobium	0.000006	0.000526	µg/m ³	V0
Molybdenum	0.000025	0.000734	µg/m ³	V0
Palladium	0.000050	0.000406	µg/m ³	V0
Silver	0.000006	0.000091	µg/m ³	V0
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000438	µg/m ³	V0
Antimony	0.000016	0.000607	µg/m ³	V0
Cesium	0.000004	0.000102	µg/m ³	V0
Barium	0.000054	0.011884	µg/m ³	V0
Lanthanum	0.000004	0.000636	µg/m ³	V0
Cerium	0.000013	0.001068	µg/m ³	V0
Praseodymium	0.000002	0.000135	µg/m ³	V0
Neodymium	0.000005	0.000509	µg/m ³	V0
Samarium	0.000006	0.000109	µg/m ³	V0
Tantalum	0.000003	0.003019	µg/m ³	V0
Tungsten	0.000005	0.002418	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000247	µg/m ³	V0
Lead	0.000018	0.000744	µg/m ³	V0
Bismuth	0.000004	0.000088	µg/m ³	V0
Thorium	0.000002	0.000188	µg/m ³	V0
Uranium	0.000003	0.000072	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301107	
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.7	°C	
Pressure		729.6	mmHg	
Particulate Matter	0.042	47.125	µg/m ³	V0
Lithium	0.000016	0.003235	µg/m ³	V0
Beryllium	0.000013	0.000084	µg/m ³	V0
Sodium	0.000777	0.143104	µg/m ³	V0
Magnesium	0.000279	0.278486	µg/m ³	V0
Aluminum	0.002800	1.561115	µg/m ³	V0
Silicon	0.010200	0.987192	µg/m ³	V0
Phosphorus	0.003480	0.041575	µg/m ³	V0
Potassium	0.000402	0.511697	µg/m ³	V0
Calcium	0.013042	1.957523	µg/m ³	V0
Titanium	0.000031	0.091352	µg/m ³	V0
Vanadium	0.000018	0.010235	µg/m ³	V0
Chromium	0.000045	0.003655	µg/m ³	V0
Manganese	0.000028	0.029910	µg/m ³	V0
Iron	0.001585	1.377780	µg/m ³	V0
Cobalt	0.000005	0.001237	µg/m ³	V0
Nickel	0.000015	0.002049	µg/m ³	V0
Copper	0.000027	0.001347	µg/m ³	V0
Zinc	0.000149	0.006026	µg/m ³	V0
Arsenic	0.000005	0.000370	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002919	µg/m ³	V0
Strontium	0.000012	0.007342	µg/m ³	V0
Niobium	0.000006	0.000371	µg/m ³	V0
Molybdenum	0.000025	0.000414	µg/m ³	V0
Palladium	0.000050	0.000189	µg/m ³	V0
Silver	0.000006	0.000027	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000347	µg/m ³	V0
Antimony	0.000016	0.000095	µg/m ³	V0
Cesium	0.000004	0.000171	µg/m ³	V0
Barium	0.000054	0.016181	µg/m ³	V0
Lanthanum	0.000004	0.001163	µg/m ³	V0
Cerium	0.000013	0.002456	µg/m ³	V0
Praseodymium	0.000002	0.000286	µg/m ³	V0
Neodymium	0.000005	0.001140	µg/m ³	V0
Samarium	0.000006	0.000217	µg/m ³	V0
Tantalum	0.000003	0.000337	µg/m ³	V0
Tungsten	0.000005	0.000307	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000050	µg/m ³	V0
Lead	0.000018	0.000994	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000352	µg/m ³	V0
Uranium	0.000003	0.000113	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220301138
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.9	°C	
Pressure		724.9	mmHg	
Particulate Matter	0.042	29.083	µg/m ³	V0
Lithium	0.000016	0.000961	µg/m ³	V0
Beryllium	0.000013	0.000044	µg/m ³	V0
Sodium	0.000777	0.175459	µg/m ³	V0
Magnesium	0.000279	0.223829	µg/m ³	V0
Aluminum	0.002800	0.663046	µg/m ³	V0
Silicon	0.010200	0.551706	µg/m ³	V0
Phosphorus	0.003480	0.070432	µg/m ³	V0
Potassium	0.000402	0.230305	µg/m ³	V0
Calcium	0.013042	1.231490	µg/m ³	V0
Titanium	0.000031	0.032104	µg/m ³	V0
Vanadium	0.000018	0.004557	µg/m ³	V0
Chromium	0.000045	0.001548	µg/m ³	V0
Manganese	0.000028	0.019978	µg/m ³	V0
Iron	0.001585	1.137146	µg/m ³	V0
Cobalt	0.000005	0.000520	µg/m ³	V0
Nickel	0.000015	0.001091	µg/m ³	V0
Copper	0.000027	0.000714	µg/m ³	V0
Zinc	0.000149	0.003459	µg/m ³	V0
Arsenic	0.000005	0.000180	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001115	µg/m ³	V0
Strontium	0.000012	0.004145	µg/m ³	V0
Niobium	0.000006	0.000180	µg/m ³	V0
Molybdenum	0.000025	0.000277	µg/m ³	V0
Palladium	0.000050	0.000135	µg/m ³	V0
Silver	0.000006	0.000022	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000135	µg/m ³	V0
Antimony	0.000016	0.000078	µg/m ³	V0
Cesium	0.000004	0.000055	µg/m ³	V0
Barium	0.000054	0.008473	µg/m ³	V0
Lanthanum	0.000004	0.000473	µg/m ³	V0
Cerium	0.000013	0.000958	µg/m ³	V0
Praseodymium	0.000002	0.000120	µg/m ³	V0
Neodymium	0.000005	0.000469	µg/m ³	V0
Samarium	0.000006	0.000092	µg/m ³	V0
Tantalum	0.000003	0.000268	µg/m ³	V0
Tungsten	0.000005	0.000357	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000044	µg/m ³	V0
Lead	0.000018	0.000531	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000162	µg/m ³	V0
Uranium	0.000003	0.000048	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220301149
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.5	°C	
Pressure		702.8	mmHg	
Particulate Matter	0.042	22.250	µg/m ³	V0
Lithium	0.000016	0.000397	µg/m ³	V0
Beryllium	0.000013	0.000021	µg/m ³	V0
Sodium	0.000777	0.197348	µg/m ³	V0
Magnesium	0.000279	0.182501	µg/m ³	V0
Aluminum	0.002800	0.318686	µg/m ³	V0
Silicon	0.010200	0.995872	µg/m ³	V0
Phosphorus	0.003480	0.073239	µg/m ³	V0
Potassium	0.000402	0.142463	µg/m ³	V0
Calcium	0.013042	0.613298	µg/m ³	V0
Titanium	0.000031	0.017400	µg/m ³	V0
Vanadium	0.000018	0.001523	µg/m ³	V0
Chromium	0.000045	0.001742	µg/m ³	V0
Manganese	0.000028	0.009976	µg/m ³	V0
Iron	0.001585	0.451463	µg/m ³	V0
Cobalt	0.000005	0.000408	µg/m ³	V0
Nickel	0.000015	0.000566	µg/m ³	V0
Copper	0.000027	0.000857	µg/m ³	V0
Zinc	0.000149	0.000989	µg/m ³	V0
Arsenic	0.000005	0.000096	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000586	µg/m ³	V0
Strontium	0.000012	0.002286	µg/m ³	V0
Niobium	0.000006	0.000116	µg/m ³	V0
Molybdenum	0.000025	0.000299	µg/m ³	V0
Palladium	0.000050	0.000077	µg/m ³	V0
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000178	µg/m ³	V0
Antimony	0.000016	0.000088	µg/m ³	V0
Cesium	0.000004	0.000025	µg/m ³	V0
Barium	0.000054	0.005448	µg/m ³	V0
Lanthanum	0.000004	0.000315	µg/m ³	V0
Cerium	0.000013	0.000594	µg/m ³	V0
Praseodymium	0.000002	0.000073	µg/m ³	V0
Neodymium	0.000005	0.000271	µg/m ³	V0
Samarium	0.000006	0.000052	µg/m ³	V0
Tantalum	0.000003	0.000219	µg/m ³	V0
Tungsten	0.000005	0.000563	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000409	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000100	µg/m ³	V0
Uranium	0.000003	0.000030	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301155
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.0	°C	
Pressure		710.7	mmHg	
Particulate Matter	0.042	7.375	µg/m ³	V0
Lithium	0.000016	0.000217	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.052122	µg/m ³	V0
Magnesium	0.000279	0.087637	µg/m ³	V0
Aluminum	0.002800	0.154011	µg/m ³	V0
Silicon	0.010200	0.529416	µg/m ³	V0
Phosphorus	0.003480	0.079712	µg/m ³	V0
Potassium	0.000402	0.059792	µg/m ³	V0
Calcium	0.013042	0.204202	µg/m ³	V0
Titanium	0.000031	0.007554	µg/m ³	V0
Vanadium	0.000018	0.000512	µg/m ³	V0
Chromium	0.000045	0.000633	µg/m ³	V0
Manganese	0.000028	0.003346	µg/m ³	V0
Iron	0.001585	0.141160	µg/m ³	V0
Cobalt	0.000005	0.000173	µg/m ³	V0
Nickel	0.000015	0.000412	µg/m ³	V0
Copper	0.000027	0.000812	µg/m ³	V0
Zinc	0.000149	0.003420	µg/m ³	V0
Arsenic	0.000005	0.000056	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000246	µg/m ³	V0
Strontium	0.000012	0.000826	µg/m ³	V0
Niobium	0.000006	0.000111	µg/m ³	V0
Molybdenum	0.000025	0.000092	µg/m ³	V0
Palladium	0.000050	0.000087	µg/m ³	V0
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000198	µg/m ³	V0
Antimony	0.000016	0.000108	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.002333	µg/m ³	V0
Lanthanum	0.000004	0.000149	µg/m ³	V0
Cerium	0.000013	0.000228	µg/m ³	V0
Praseodymium	0.000002	0.000028	µg/m ³	V0
Neodymium	0.000005	0.000106	µg/m ³	V0
Samarium	0.000006	0.000022	µg/m ³	V0
Tantalum	0.000003	0.000290	µg/m ³	V0
Tungsten	0.000005	0.000311	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	0.000033	µg/m ³	V0
Lead	0.000018	0.000278	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000041	µg/m ³	V0
Uranium	0.000003	0.000015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220301134
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	
Temperature		5.1	°C	
Pressure		728.9	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	
Lithium	0.000016	0.000222	µg/m ³	
Beryllium	0.000013	0.000014	µg/m ³	
Sodium	0.000777	0.083179	µg/m ³	
Magnesium	0.000279	0.032572	µg/m ³	
Aluminum	0.002800	0.094296	µg/m ³	
Silicon	0.010200	0.396544	µg/m ³	
Phosphorus	0.003480	0.021012	µg/m ³	
Potassium	0.000402	0.045940	µg/m ³	
Calcium	0.013042	0.121809	µg/m ³	
Titanium	0.000031	0.005291	µg/m ³	
Vanadium	0.000018	0.000058	µg/m ³	
Chromium	0.000045	0.000448	µg/m ³	
Manganese	0.000028	0.001315	µg/m ³	
Iron	0.001585	0.059933	µg/m ³	
Cobalt	0.000005	0.000077	µg/m ³	
Nickel	0.000015	0.000447	µg/m ³	
Copper	0.000027	0.000241	µg/m ³	
Zinc	0.000149	0.000000	µg/m ³	
Arsenic	0.000005	0.000192	µg/m ³	
Selenium	0.000133	0.000158	µg/m ³	
Rubidium	0.000003	0.000201	µg/m ³	
Strontium	0.000012	0.000548	µg/m ³	
Niobium	0.000006	0.000078	µg/m ³	
Molybdenum	0.000025	0.000052	µg/m ³	
Palladium	0.000050	0.000382	µg/m ³	
Silver	0.000006	0.000000	µg/m ³	
Cadmium	0.000011	0.000015	µg/m ³	
Tin	0.000008	0.000184	µg/m ³	
Antimony	0.000016	0.000025	µg/m ³	
Cesium	0.000004	0.000029	µg/m ³	
Barium	0.000054	0.000853	µg/m ³	
Lanthanum	0.000004	0.000078	µg/m ³	
Cerium	0.000013	0.000144	µg/m ³	
Praseodymium	0.000002	0.000023	µg/m ³	
Neodymium	0.000005	0.000073	µg/m ³	
Samarium	0.000006	0.000017	µg/m ³	
Tantalum	0.000003	0.000641	µg/m ³	
Tungsten	0.000005	0.000101	µg/m ³	
Platinum	0.000004	0.000000	µg/m ³	
Thallium	0.000005	0.000238	µg/m ³	
Lead	0.000018	0.000204	µg/m ³	
Bismuth	0.000004	0.000085	µg/m ³	
Thorium	0.000002	0.000052	µg/m ³	
Uranium	0.000003	0.000016	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley		Loc ID:	ATHV	WBEA ID:	220301200
Start Date:	2022-03-31 11:22		End Date:	2022-03-31 11:23	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.019920	µg/m ³	V0
Potassium	0.000402	0.008186	µg/m ³	V0
Calcium	0.013042	0.022539	µg/m ³	V0
Titanium	0.000031	0.000442	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000506	µg/m ³	V0
Manganese	0.000028	0.000068	µg/m ³	V0
Iron	0.001585	0.004639	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000216	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000051	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000127	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000373	µg/m ³	V0
Tungsten	0.000005	0.000068	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301185
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.6	°C	
Pressure		718.4	mmHg	
Particulate Matter	0.042	5.375	µg/m ³	V0
Lithium	0.000016	0.000029	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.056741	µg/m ³	V0
Magnesium	0.000279	0.026719	µg/m ³	V0
Aluminum	0.002800	0.043661	µg/m ³	V0
Silicon	0.010200	0.364956	µg/m ³	V0
Phosphorus	0.003480	0.016545	µg/m ³	V0
Potassium	0.000402	0.028202	µg/m ³	V0
Calcium	0.013042	0.129510	µg/m ³	V0
Titanium	0.000031	0.003193	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000565	µg/m ³	V0
Manganese	0.000028	0.001574	µg/m ³	V0
Iron	0.001585	0.072978	µg/m ³	V0
Cobalt	0.000005	0.000071	µg/m ³	V0
Nickel	0.000015	0.000235	µg/m ³	V0
Copper	0.000027	0.000248	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000086	µg/m ³	V0
Strontium	0.000012	0.000378	µg/m ³	V0
Niobium	0.000006	0.000050	µg/m ³	V0
Molybdenum	0.000025	0.000065	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000134	µg/m ³	V0
Antimony	0.000016	0.000091	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001012	µg/m ³	V0
Lanthanum	0.000004	0.000039	µg/m ³	V0
Cerium	0.000013	0.000078	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000036	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000331	µg/m ³	V0
Tungsten	0.000005	0.000101	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000170	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000010	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301193
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.8	°C	
Pressure		706.8	mmHg	
Particulate Matter	0.042	2.958	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016317	µg/m ³	V0
Magnesium	0.000279	0.011349	µg/m ³	V0
Aluminum	0.002800	0.014697	µg/m ³	V0
Silicon	0.010200	0.161275	µg/m ³	V0
Phosphorus	0.003480	0.019649	µg/m ³	V0
Potassium	0.000402	0.016396	µg/m ³	V0
Calcium	0.013042	0.056415	µg/m ³	V0
Titanium	0.000031	0.001708	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001031	µg/m ³	V0
Manganese	0.000028	0.000827	µg/m ³	V0
Iron	0.001585	0.032841	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000438	µg/m ³	V0
Copper	0.000027	0.000101	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	0.000135	µg/m ³	V0
Rubidium	0.000003	0.000043	µg/m ³	V0
Strontium	0.000012	0.000200	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000156	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000083	µg/m ³	V0
Antimony	0.000016	0.000045	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000374	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000033	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000014	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000387	µg/m ³	V0
Tungsten	0.000005	0.000036	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000201	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00
		Set Index:	1
		WBEA ID:	220301204
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.7	°C	
Pressure		728.6	mmHg	
Particulate Matter	0.042	6.458	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.139189	µg/m ³	V0
Magnesium	0.000279	0.031480	µg/m ³	V0
Aluminum	0.002800	0.066540	µg/m ³	V0
Silicon	0.010200	0.385375	µg/m ³	V0
Phosphorus	0.003480	0.018929	µg/m ³	V0
Potassium	0.000402	0.039886	µg/m ³	V0
Calcium	0.013042	0.147357	µg/m ³	V0
Titanium	0.000031	0.004464	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000630	µg/m ³	V0
Manganese	0.000028	0.001791	µg/m ³	V0
Iron	0.001585	0.086286	µg/m ³	V0
Cobalt	0.000005	0.000087	µg/m ³	V0
Nickel	0.000015	0.000341	µg/m ³	V0
Copper	0.000027	0.000420	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000128	µg/m ³	V0
Strontium	0.000012	0.000485	µg/m ³	V0
Niobium	0.000006	0.000049	µg/m ³	V0
Molybdenum	0.000025	0.000084	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000209	µg/m ³	V0
Antimony	0.000016	0.000169	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001832	µg/m ³	V0
Lanthanum	0.000004	0.000046	µg/m ³	V0
Cerium	0.000013	0.000094	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000043	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000315	µg/m ³	V0
Tungsten	0.000005	0.000115	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000193	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00
		Set Index:	1
		WBEA ID:	220401213
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.4	°C	
Pressure		725.0	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Lithium	0.000016	0.000096	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.066296	µg/m ³	V0
Magnesium	0.000279	0.033172	µg/m ³	V0
Aluminum	0.002800	0.102675	µg/m ³	V0
Silicon	0.010200	0.384794	µg/m ³	V0
Phosphorus	0.003480	0.018797	µg/m ³	V0
Potassium	0.000402	0.040094	µg/m ³	V0
Calcium	0.013042	0.173203	µg/m ³	V0
Titanium	0.000031	0.005955	µg/m ³	V0
Vanadium	0.000018	0.000066	µg/m ³	V0
Chromium	0.000045	0.000675	µg/m ³	V0
Manganese	0.000028	0.001754	µg/m ³	V0
Iron	0.001585	0.084452	µg/m ³	V0
Cobalt	0.000005	0.000083	µg/m ³	V0
Nickel	0.000015	0.000400	µg/m ³	V0
Copper	0.000027	0.000230	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000159	µg/m ³	V0
Strontium	0.000012	0.000554	µg/m ³	V0
Niobium	0.000006	0.000046	µg/m ³	V0
Molybdenum	0.000025	0.000091	µg/m ³	V0
Palladium	0.000050	0.000061	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000081	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000996	µg/m ³	V0
Lanthanum	0.000004	0.000064	µg/m ³	V0
Cerium	0.000013	0.000132	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000056	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000220	µg/m ³	V0
Tungsten	0.000005	0.000050	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000228	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000018	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort McKay South	Samp Use: Exposure	WBEA ID: 220401216
Start Date:	2022-04-05 00:00	Loc ID: FMCS	Duration: 24.0 hr
		End Date: 2022-04-06 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.8	°C	
Pressure		727.8	mmHg	
Particulate Matter	0.042	6.625	µg/m ³	V0
Lithium	0.000016	0.000181	µg/m ³	V0
Beryllium	0.000013	0.000018	µg/m ³	V0
Sodium	0.000777	0.041653	µg/m ³	V0
Magnesium	0.000279	0.024328	µg/m ³	V0
Aluminum	0.002800	0.102274	µg/m ³	V0
Silicon	0.010200	0.419936	µg/m ³	V0
Phosphorus	0.003480	0.020567	µg/m ³	V0
Potassium	0.000402	0.043518	µg/m ³	V0
Calcium	0.013042	0.228204	µg/m ³	V0
Titanium	0.000031	0.005156	µg/m ³	V0
Vanadium	0.000018	0.000550	µg/m ³	V0
Chromium	0.000045	0.001520	µg/m ³	V0
Manganese	0.000028	0.001447	µg/m ³	V0
Iron	0.001585	0.074921	µg/m ³	V0
Cobalt	0.000005	0.000086	µg/m ³	V0
Nickel	0.000015	0.000627	µg/m ³	V0
Copper	0.000027	0.000332	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000164	µg/m ³	V0
Selenium	0.000133	0.000183	µg/m ³	V0
Rubidium	0.000003	0.000219	µg/m ³	V0
Strontium	0.000012	0.000590	µg/m ³	V0
Niobium	0.000006	0.000045	µg/m ³	V0
Molybdenum	0.000025	0.000153	µg/m ³	V0
Palladium	0.000050	0.000416	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000066	µg/m ³	V0
Antimony	0.000016	0.000031	µg/m ³	V0
Cesium	0.000004	0.000036	µg/m ³	V0
Barium	0.000054	0.000961	µg/m ³	V0
Lanthanum	0.000004	0.000061	µg/m ³	V0
Cerium	0.000013	0.000116	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000059	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000438	µg/m ³	V0
Tungsten	0.000005	0.000077	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000237	µg/m ³	V0
Lead	0.000018	0.000200	µg/m ³	V0
Bismuth	0.000004	0.000081	µg/m ³	V0
Thorium	0.000002	0.000043	µg/m ³	V0
Uranium	0.000003	0.000017	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401223
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction and resulted in long sampling duration and high sample volume.(87300/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V6
Temperature		8.5	°C	
Pressure		727.1	mmHg	
Particulate Matter	0.042	7.901	µg/m ³	V0
Lithium	0.000016	0.000259	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.045092	µg/m ³	V0
Magnesium	0.000279	0.040200	µg/m ³	V0
Aluminum	0.002800	0.126280	µg/m ³	V0
Silicon	0.010200	0.564670	µg/m ³	V0
Phosphorus	0.003480	0.017764	µg/m ³	V0
Potassium	0.000402	0.060425	µg/m ³	V0
Calcium	0.013042	0.219886	µg/m ³	V0
Titanium	0.000031	0.008653	µg/m ³	V0
Vanadium	0.000018	0.000301	µg/m ³	V0
Chromium	0.000045	0.001347	µg/m ³	V0
Manganese	0.000028	0.003276	µg/m ³	V0
Iron	0.001585	0.139008	µg/m ³	V0
Cobalt	0.000005	0.000124	µg/m ³	V0
Nickel	0.000015	0.000638	µg/m ³	V0
Copper	0.000027	0.000278	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000242	µg/m ³	V0
Strontium	0.000012	0.000738	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000447	µg/m ³	V0
Palladium	0.000050	0.000086	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000067	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.001352	µg/m ³	V0
Lanthanum	0.000004	0.000087	µg/m ³	V0
Cerium	0.000013	0.000194	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000084	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000226	µg/m ³	V0
Tungsten	0.000005	0.000039	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000213	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000028	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401237
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.5	°C	
Pressure		725.5	mmHg	
Particulate Matter	0.042	2.125	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015372	µg/m ³	V0
Magnesium	0.000279	0.009940	µg/m ³	V0
Aluminum	0.002800	0.011552	µg/m ³	V0
Silicon	0.010200	0.088830	µg/m ³	V0
Phosphorus	0.003480	0.014578	µg/m ³	V0
Potassium	0.000402	0.020976	µg/m ³	V0
Calcium	0.013042	0.045167	µg/m ³	V0
Titanium	0.000031	0.001769	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.003017	µg/m ³	V0
Manganese	0.000028	0.000574	µg/m ³	V0
Iron	0.001585	0.037395	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000277	µg/m ³	V0
Copper	0.000027	0.000053	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000048	µg/m ³	V0
Strontium	0.000012	0.000196	µg/m ³	V0
Niobium	0.000006	0.000045	µg/m ³	V0
Molybdenum	0.000025	0.000112	µg/m ³	V0
Palladium	0.000050	0.000092	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000091	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000308	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000034	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000283	µg/m ³	V0
Tungsten	0.000005	0.000015	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000171	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00
		Set Index:	1
		WBEA ID:	220401245
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.0	°C	
Pressure		700.3	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003827	µg/m ³	V0
Magnesium	0.000279	0.003432	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.071413	µg/m ³	V0
Phosphorus	0.003480	0.015671	µg/m ³	V0
Potassium	0.000402	0.014927	µg/m ³	V0
Calcium	0.013042	0.030729	µg/m ³	V0
Titanium	0.000031	0.002037	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000578	µg/m ³	V0
Manganese	0.000028	0.000535	µg/m ³	V0
Iron	0.001585	0.017139	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000271	µg/m ³	V0
Copper	0.000027	0.000056	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000027	µg/m ³	V0
Strontium	0.000012	0.000115	µg/m ³	V0
Niobium	0.000006	0.000048	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000185	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000169	µg/m ³	V0
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000323	µg/m ³	V0
Tungsten	0.000005	0.000039	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000127	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401249
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.3	°C	
Pressure		722.2	mmHg	
Particulate Matter	0.042	23.792	µg/m ³	V0
Lithium	0.000016	0.002032	µg/m ³	V0
Beryllium	0.000013	0.000049	µg/m ³	V0
Sodium	0.000777	0.090282	µg/m ³	V0
Magnesium	0.000279	0.163021	µg/m ³	V0
Aluminum	0.002800	1.102776	µg/m ³	V0
Silicon	0.010200	1.887620	µg/m ³	V0
Phosphorus	0.003480	0.026701	µg/m ³	V0
Potassium	0.000402	0.322524	µg/m ³	V0
Calcium	0.013042	0.564007	µg/m ³	V0
Titanium	0.000031	0.067565	µg/m ³	V0
Vanadium	0.000018	0.003774	µg/m ³	V0
Chromium	0.000045	0.001677	µg/m ³	V0
Manganese	0.000028	0.013167	µg/m ³	V0
Iron	0.001585	0.763996	µg/m ³	V0
Cobalt	0.000005	0.000579	µg/m ³	V0
Nickel	0.000015	0.001008	µg/m ³	V0
Copper	0.000027	0.000677	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001710	µg/m ³	V0
Strontium	0.000012	0.003688	µg/m ³	V0
Niobium	0.000006	0.000224	µg/m ³	V0
Molybdenum	0.000025	0.000266	µg/m ³	V0
Palladium	0.000050	0.000103	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000175	µg/m ³	V0
Antimony	0.000016	0.000062	µg/m ³	V0
Cesium	0.000004	0.000090	µg/m ³	V0
Barium	0.000054	0.009394	µg/m ³	V0
Lanthanum	0.000004	0.000659	µg/m ³	V0
Cerium	0.000013	0.001418	µg/m ³	V0
Praseodymium	0.000002	0.000171	µg/m ³	V0
Neodymium	0.000005	0.000666	µg/m ³	V0
Samarium	0.000006	0.000119	µg/m ³	V0
Tantalum	0.000003	0.000191	µg/m ³	V0
Tungsten	0.000005	0.000111	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000674	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000239	µg/m ³	V0
Uranium	0.000003	0.000067	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401257
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.8	°C	
Pressure		708.1	mmHg	
Particulate Matter	0.042	3.917	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009213	µg/m ³	V0
Magnesium	0.000279	0.009066	µg/m ³	V0
Aluminum	0.002800	0.009308	µg/m ³	V0
Silicon	0.010200	0.148524	µg/m ³	V0
Phosphorus	0.003480	0.018634	µg/m ³	V0
Potassium	0.000402	0.015094	µg/m ³	V0
Calcium	0.013042	0.040328	µg/m ³	V0
Titanium	0.000031	0.001530	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000867	µg/m ³	V0
Manganese	0.000028	0.000718	µg/m ³	V0
Iron	0.001585	0.022741	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000361	µg/m ³	V0
Copper	0.000027	0.000090	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	0.000137	µg/m ³	V0
Rubidium	0.000003	0.000032	µg/m ³	V0
Strontium	0.000012	0.000141	µg/m ³	V0
Niobium	0.000006	0.000050	µg/m ³	V0
Molybdenum	0.000025	0.000047	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000242	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000290	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000025	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000393	µg/m ³	V0
Tungsten	0.000005	0.000039	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000182	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220401266
Start Date:	2022-04-06 00:00	End Date:	2022-04-06 00:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.012889	µg/m ³	V0
Phosphorus	0.003480	0.016324	µg/m ³	V0
Potassium	0.000402	0.006057	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000361	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000792	µg/m ³	V0
Manganese	0.000028	0.000131	µg/m ³	V0
Iron	0.001585	0.005099	µg/m ³	V0
Cobalt	0.000005	0.000097	µg/m ³	V0
Nickel	0.000015	0.000471	µg/m ³	V0
Copper	0.000027	0.000068	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000045	µg/m ³	V0
Molybdenum	0.000025	0.000035	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000238	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000446	µg/m ³	V0
Tungsten	0.000005	0.000042	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401270
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.5	°C	
Pressure		739.3	mmHg	
Particulate Matter	0.042	2.750	µg/m ³	V0
Lithium	0.000016	0.000040	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.016275	µg/m ³	V0
Potassium	0.000402	0.009290	µg/m ³	V0
Calcium	0.013042	0.020079	µg/m ³	V0
Titanium	0.000031	0.000505	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000375	µg/m ³	V0
Manganese	0.000028	0.000185	µg/m ³	V0
Iron	0.001585	0.002711	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000210	µg/m ³	V0
Copper	0.000027	0.000095	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000009	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000049	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000209	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000041	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000594	µg/m ³	V0
Tungsten	0.000005	0.000090	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000093	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000051	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401273
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.2	°C	
Pressure		734.6	mmHg	
Particulate Matter	0.042	9.208	µg/m ³	V0
Lithium	0.000016	0.000337	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.059408	µg/m ³	V0
Magnesium	0.000279	0.079258	µg/m ³	V0
Aluminum	0.002800	0.272621	µg/m ³	V0
Silicon	0.010200	1.099623	µg/m ³	V0
Phosphorus	0.003480	0.022634	µg/m ³	V0
Potassium	0.000402	0.087308	µg/m ³	V0
Calcium	0.013042	0.275275	µg/m ³	V0
Titanium	0.000031	0.012314	µg/m ³	V0
Vanadium	0.000018	0.000377	µg/m ³	V0
Chromium	0.000045	0.001408	µg/m ³	V0
Manganese	0.000028	0.004885	µg/m ³	V0
Iron	0.001585	0.305679	µg/m ³	V0
Cobalt	0.000005	0.000194	µg/m ³	V0
Nickel	0.000015	0.000639	µg/m ³	V0
Copper	0.000027	0.000339	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000434	µg/m ³	V0
Strontium	0.000012	0.001187	µg/m ³	V0
Niobium	0.000006	0.000071	µg/m ³	V0
Molybdenum	0.000025	0.000059	µg/m ³	V0
Palladium	0.000050	0.000060	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000116	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	0.000020	µg/m ³	V0
Barium	0.000054	0.003055	µg/m ³	V0
Lanthanum	0.000004	0.000160	µg/m ³	V0
Cerium	0.000013	0.000350	µg/m ³	V0
Praseodymium	0.000002	0.000041	µg/m ³	V0
Neodymium	0.000005	0.000157	µg/m ³	V0
Samarium	0.000006	0.000028	µg/m ³	V0
Tantalum	0.000003	0.000287	µg/m ³	V0
Tungsten	0.000005	0.000127	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000290	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000057	µg/m ³	V0
Uranium	0.000003	0.000015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401279
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.6	°C	
Pressure		709.7	mmHg	
Particulate Matter	0.042	7.875	µg/m ³	V0
Lithium	0.000016	0.000374	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.054023	µg/m ³	V0
Magnesium	0.000279	0.035751	µg/m ³	V0
Aluminum	0.002800	0.228048	µg/m ³	V0
Silicon	0.010200	0.895460	µg/m ³	V0
Phosphorus	0.003480	0.018779	µg/m ³	V0
Potassium	0.000402	0.086693	µg/m ³	V0
Calcium	0.013042	0.115950	µg/m ³	V0
Titanium	0.000031	0.012799	µg/m ³	V0
Vanadium	0.000018	0.000547	µg/m ³	V0
Chromium	0.000045	0.000937	µg/m ³	V0
Manganese	0.000028	0.002910	µg/m ³	V0
Iron	0.001585	0.139760	µg/m ³	V0
Cobalt	0.000005	0.000154	µg/m ³	V0
Nickel	0.000015	0.000483	µg/m ³	V0
Copper	0.000027	0.001720	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000360	µg/m ³	V0
Strontium	0.000012	0.000722	µg/m ³	V0
Niobium	0.000006	0.000065	µg/m ³	V0
Molybdenum	0.000025	0.000632	µg/m ³	V0
Palladium	0.000050	0.000063	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000058	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.001864	µg/m ³	V0
Lanthanum	0.000004	0.000116	µg/m ³	V0
Cerium	0.000013	0.000259	µg/m ³	V0
Praseodymium	0.000002	0.000031	µg/m ³	V0
Neodymium	0.000005	0.000124	µg/m ³	V0
Samarium	0.000006	0.000021	µg/m ³	V0
Tantalum	0.000003	0.000225	µg/m ³	V0
Tungsten	0.000005	0.000044	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000396	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000038	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401288
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.2	°C	
Pressure		717.6	mmHg	
Particulate Matter	0.042	6.417	µg/m ³	V0
Lithium	0.000016	0.000288	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.036891	µg/m ³	V0
Magnesium	0.000279	0.025064	µg/m ³	V0
Aluminum	0.002800	0.173985	µg/m ³	V0
Silicon	0.010200	0.654492	µg/m ³	V0
Phosphorus	0.003480	0.015945	µg/m ³	V0
Potassium	0.000402	0.064780	µg/m ³	V0
Calcium	0.013042	0.084178	µg/m ³	V0
Titanium	0.000031	0.009565	µg/m ³	V0
Vanadium	0.000018	0.001550	µg/m ³	V0
Chromium	0.000045	0.000794	µg/m ³	V0
Manganese	0.000028	0.001831	µg/m ³	V0
Iron	0.001585	0.093701	µg/m ³	V0
Cobalt	0.000005	0.000124	µg/m ³	V0
Nickel	0.000015	0.000534	µg/m ³	V0
Copper	0.000027	0.000083	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000290	µg/m ³	V0
Strontium	0.000012	0.000587	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000179	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000073	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.001466	µg/m ³	V0
Lanthanum	0.000004	0.000108	µg/m ³	V0
Cerium	0.000013	0.000235	µg/m ³	V0
Praseodymium	0.000002	0.000028	µg/m ³	V0
Neodymium	0.000005	0.000110	µg/m ³	V0
Samarium	0.000006	0.000020	µg/m ³	V0
Tantalum	0.000003	0.000218	µg/m ³	V0
Tungsten	0.000005	0.000059	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000241	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401304
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

Sample was dropped in the snow (minimal) upon collection

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		716.7	mmHg	
Particulate Matter	0.042	5.875	µg/m ³	V0
Lithium	0.000016	0.000284	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.026850	µg/m ³	V0
Magnesium	0.000279	0.021983	µg/m ³	V0
Aluminum	0.002800	0.197786	µg/m ³	V0
Silicon	0.010200	0.708769	µg/m ³	V0
Phosphorus	0.003480	0.016284	µg/m ³	V0
Potassium	0.000402	0.059068	µg/m ³	V0
Calcium	0.013042	0.079086	µg/m ³	V0
Titanium	0.000031	0.008087	µg/m ³	V0
Vanadium	0.000018	0.000166	µg/m ³	V0
Chromium	0.000045	0.001655	µg/m ³	V0
Manganese	0.000028	0.001722	µg/m ³	V0
Iron	0.001585	0.109047	µg/m ³	V0
Cobalt	0.000005	0.000115	µg/m ³	V0
Nickel	0.000015	0.000362	µg/m ³	V0
Copper	0.000027	0.000116	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000275	µg/m ³	V0
Strontium	0.000012	0.000507	µg/m ³	V0
Niobium	0.000006	0.000053	µg/m ³	V0
Molybdenum	0.000025	0.000106	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000088	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.001274	µg/m ³	V0
Lanthanum	0.000004	0.000096	µg/m ³	V0
Cerium	0.000013	0.000210	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000099	µg/m ³	V0
Samarium	0.000006	0.000018	µg/m ³	V0
Tantalum	0.000003	0.000231	µg/m ³	V0
Tungsten	0.000005	0.000016	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000196	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220401315
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.0	°C	
Pressure		736.7	mmHg	
Particulate Matter	0.042	7.417	µg/m ³	V0
Lithium	0.000016	0.000459	µg/m ³	V0
Beryllium	0.000013	0.000028	µg/m ³	V0
Sodium	0.000777	0.057559	µg/m ³	V0
Magnesium	0.000279	0.065223	µg/m ³	V0
Aluminum	0.002800	0.254054	µg/m ³	V0
Silicon	0.010200	0.800352	µg/m ³	V0
Phosphorus	0.003480	0.018408	µg/m ³	V0
Potassium	0.000402	0.085743	µg/m ³	V0
Calcium	0.013042	0.197710	µg/m ³	V0
Titanium	0.000031	0.013077	µg/m ³	V0
Vanadium	0.000018	0.000705	µg/m ³	V0
Chromium	0.000045	0.001186	µg/m ³	V0
Manganese	0.000028	0.002283	µg/m ³	V0
Iron	0.001585	0.158882	µg/m ³	V0
Cobalt	0.000005	0.000132	µg/m ³	V0
Nickel	0.000015	0.000520	µg/m ³	V0
Copper	0.000027	0.000377	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000103	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000428	µg/m ³	V0
Strontium	0.000012	0.001155	µg/m ³	V0
Niobium	0.000006	0.000070	µg/m ³	V0
Molybdenum	0.000025	0.000099	µg/m ³	V0
Palladium	0.000050	0.000213	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000075	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000036	µg/m ³	V0
Barium	0.000054	0.002345	µg/m ³	V0
Lanthanum	0.000004	0.000185	µg/m ³	V0
Cerium	0.000013	0.000383	µg/m ³	V0
Praseodymium	0.000002	0.000059	µg/m ³	V0
Neodymium	0.000005	0.000179	µg/m ³	V0
Samarium	0.000006	0.000041	µg/m ³	V0
Tantalum	0.000003	0.000431	µg/m ³	V0
Tungsten	0.000005	0.000068	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000103	µg/m ³	V0
Lead	0.000018	0.000359	µg/m ³	V0
Bismuth	0.000004	0.000062	µg/m ³	V0
Thorium	0.000002	0.000083	µg/m ³	V0
Uranium	0.000003	0.000026	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220401318
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.8	°C	
Pressure		740.1	mmHg	
Particulate Matter	0.042	22.167	µg/m ³	V0
Lithium	0.000016	0.001207	µg/m ³	V0
Beryllium	0.000013	0.000035	µg/m ³	V0
Sodium	0.000777	0.078595	µg/m ³	V0
Magnesium	0.000279	0.147455	µg/m ³	V0
Aluminum	0.002800	0.763761	µg/m ³	V0
Silicon	0.010200	2.019498	µg/m ³	V0
Phosphorus	0.003480	0.021512	µg/m ³	V0
Potassium	0.000402	0.229731	µg/m ³	V0
Calcium	0.013042	0.373653	µg/m ³	V0
Titanium	0.000031	0.039905	µg/m ³	V0
Vanadium	0.000018	0.002183	µg/m ³	V0
Chromium	0.000045	0.001263	µg/m ³	V0
Manganese	0.000028	0.010386	µg/m ³	V0
Iron	0.001585	0.541694	µg/m ³	V0
Cobalt	0.000005	0.000429	µg/m ³	V0
Nickel	0.000015	0.000777	µg/m ³	V0
Copper	0.000027	0.000466	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000081	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001161	µg/m ³	V0
Strontium	0.000012	0.002440	µg/m ³	V0
Niobium	0.000006	0.000142	µg/m ³	V0
Molybdenum	0.000025	0.000172	µg/m ³	V0
Palladium	0.000050	0.000125	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000135	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000062	µg/m ³	V0
Barium	0.000054	0.006722	µg/m ³	V0
Lanthanum	0.000004	0.000488	µg/m ³	V0
Cerium	0.000013	0.001048	µg/m ³	V0
Praseodymium	0.000002	0.000124	µg/m ³	V0
Neodymium	0.000005	0.000479	µg/m ³	V0
Samarium	0.000006	0.000087	µg/m ³	V0
Tantalum	0.000003	0.000206	µg/m ³	V0
Tungsten	0.000005	0.000173	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000025	µg/m ³	V0
Lead	0.000018	0.000573	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000182	µg/m ³	V0
Uranium	0.000003	0.000047	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401324	
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.8	°C	
Pressure		739.0	mmHg	
Particulate Matter	0.042	23.458	µg/m ³	V0
Lithium	0.000016	0.001029	µg/m ³	V0
Beryllium	0.000013	0.000032	µg/m ³	V0
Sodium	0.000777	0.074939	µg/m ³	V0
Magnesium	0.000279	0.119664	µg/m ³	V0
Aluminum	0.002800	0.613597	µg/m ³	V0
Silicon	0.010200	2.314548	µg/m ³	V0
Phosphorus	0.003480	0.023503	µg/m ³	V0
Potassium	0.000402	0.231183	µg/m ³	V0
Calcium	0.013042	0.376283	µg/m ³	V0
Titanium	0.000031	0.042303	µg/m ³	V0
Vanadium	0.000018	0.002542	µg/m ³	V0
Chromium	0.000045	0.002209	µg/m ³	V0
Manganese	0.000028	0.011371	µg/m ³	V0
Iron	0.001585	0.644494	µg/m ³	V0
Cobalt	0.000005	0.000503	µg/m ³	V0
Nickel	0.000015	0.000971	µg/m ³	V0
Copper	0.000027	0.000449	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000078	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000966	µg/m ³	V0
Strontium	0.000012	0.002302	µg/m ³	V0
Niobium	0.000006	0.000154	µg/m ³	V0
Molybdenum	0.000025	0.000179	µg/m ³	V0
Palladium	0.000050	0.000062	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000087	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000051	µg/m ³	V0
Barium	0.000054	0.006630	µg/m ³	V0
Lanthanum	0.000004	0.000347	µg/m ³	V0
Cerium	0.000013	0.000764	µg/m ³	V0
Praseodymium	0.000002	0.000094	µg/m ³	V0
Neodymium	0.000005	0.000363	µg/m ³	V0
Samarium	0.000006	0.000065	µg/m ³	V0
Tantalum	0.000003	0.000222	µg/m ³	V0
Tungsten	0.000005	0.000097	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000531	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000131	µg/m ³	V0
Uranium	0.000003	0.000047	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401339
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.4	°C	
Pressure		740.4	mmHg	
Particulate Matter	0.042	23.708	µg/m ³	V0
Lithium	0.000016	0.001370	µg/m ³	V0
Beryllium	0.000013	0.000044	µg/m ³	V0
Sodium	0.000777	0.078644	µg/m ³	V0
Magnesium	0.000279	0.125397	µg/m ³	V0
Aluminum	0.002800	0.991662	µg/m ³	V0
Silicon	0.010200	2.840556	µg/m ³	V0
Phosphorus	0.003480	0.023945	µg/m ³	V0
Potassium	0.000402	0.272490	µg/m ³	V0
Calcium	0.013042	0.351400	µg/m ³	V0
Titanium	0.000031	0.049879	µg/m ³	V0
Vanadium	0.000018	0.006637	µg/m ³	V0
Chromium	0.000045	0.002105	µg/m ³	V0
Manganese	0.000028	0.008346	µg/m ³	V0
Iron	0.001585	0.486025	µg/m ³	V0
Cobalt	0.000005	0.000526	µg/m ³	V0
Nickel	0.000015	0.001447	µg/m ³	V0
Copper	0.000027	0.000475	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000078	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001442	µg/m ³	V0
Strontium	0.000012	0.002572	µg/m ³	V0
Niobium	0.000006	0.000188	µg/m ³	V0
Molybdenum	0.000025	0.000450	µg/m ³	V0
Palladium	0.000050	0.000080	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000115	µg/m ³	V0
Antimony	0.000016	0.000031	µg/m ³	V0
Cesium	0.000004	0.000073	µg/m ³	V0
Barium	0.000054	0.007638	µg/m ³	V0
Lanthanum	0.000004	0.000568	µg/m ³	V0
Cerium	0.000013	0.001234	µg/m ³	V0
Praseodymium	0.000002	0.000148	µg/m ³	V0
Neodymium	0.000005	0.000577	µg/m ³	V0
Samarium	0.000006	0.000101	µg/m ³	V0
Tantalum	0.000003	0.000292	µg/m ³	V0
Tungsten	0.000005	0.000141	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000616	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000193	µg/m ³	V0
Uranium	0.000003	0.000052	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401342
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.8	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	29.167	µg/m ³	V0
Lithium	0.000016	0.001161	µg/m ³	V0
Beryllium	0.000013	0.000032	µg/m ³	V0
Sodium	0.000777	0.074331	µg/m ³	V0
Magnesium	0.000279	0.100210	µg/m ³	V0
Aluminum	0.002800	0.679372	µg/m ³	V0
Silicon	0.010200	1.216842	µg/m ³	V0
Phosphorus	0.003480	0.018719	µg/m ³	V0
Potassium	0.000402	0.237602	µg/m ³	V0
Calcium	0.013042	0.292478	µg/m ³	V0
Titanium	0.000031	0.042833	µg/m ³	V0
Vanadium	0.000018	0.008869	µg/m ³	V0
Chromium	0.000045	0.002191	µg/m ³	V0
Manganese	0.000028	0.009176	µg/m ³	V0
Iron	0.001585	0.511139	µg/m ³	V0
Cobalt	0.000005	0.000491	µg/m ³	V0
Nickel	0.000015	0.002112	µg/m ³	V0
Copper	0.000027	0.000437	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000046	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001023	µg/m ³	V0
Strontium	0.000012	0.002130	µg/m ³	V0
Niobium	0.000006	0.000151	µg/m ³	V0
Molybdenum	0.000025	0.000371	µg/m ³	V0
Palladium	0.000050	0.000136	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	0.000237	µg/m ³	V0
Cesium	0.000004	0.000053	µg/m ³	V0
Barium	0.000054	0.006271	µg/m ³	V0
Lanthanum	0.000004	0.000394	µg/m ³	V0
Cerium	0.000013	0.000881	µg/m ³	V0
Praseodymium	0.000002	0.000103	µg/m ³	V0
Neodymium	0.000005	0.000416	µg/m ³	V0
Samarium	0.000006	0.000075	µg/m ³	V0
Tantalum	0.000003	0.000126	µg/m ³	V0
Tungsten	0.000005	0.000072	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000700	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000131	µg/m ³	V0
Uranium	0.000003	0.000043	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220401421
Start Date:	2022-04-14 08:17	End Date:	2022-04-14 08:18	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002344	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.014977	µg/m ³	V0
Potassium	0.000402	0.005296	µg/m ³	V0
Calcium	0.013042	0.021646	µg/m ³	V0
Titanium	0.000031	0.000486	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000452	µg/m ³	V0
Manganese	0.000028	0.000137	µg/m ³	V0
Iron	0.001585	0.005210	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000215	µg/m ³	V0
Copper	0.000027	0.000048	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000020	µg/m ³	V0
Niobium	0.000006	0.000038	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000058	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000090	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000304	µg/m ³	V0
Tungsten	0.000005	0.000029	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401355
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.3	°C	
Pressure		714.8	mmHg	
Particulate Matter	0.042	25.875	µg/m ³	V0
Lithium	0.000016	0.000531	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.202769	µg/m ³	V0
Magnesium	0.000279	0.176915	µg/m ³	V0
Aluminum	0.002800	0.357855	µg/m ³	V0
Silicon	0.010200	2.108899	µg/m ³	V0
Phosphorus	0.003480	0.023626	µg/m ³	V0
Potassium	0.000402	0.188608	µg/m ³	V0
Calcium	0.013042	0.660848	µg/m ³	V0
Titanium	0.000031	0.022260	µg/m ³	V0
Vanadium	0.000018	0.001238	µg/m ³	V0
Chromium	0.000045	0.001441	µg/m ³	V0
Manganese	0.000028	0.012594	µg/m ³	V0
Iron	0.001585	0.639373	µg/m ³	V0
Cobalt	0.000005	0.000348	µg/m ³	V0
Nickel	0.000015	0.000949	µg/m ³	V0
Copper	0.000027	0.000924	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000056	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000864	µg/m ³	V0
Strontium	0.000012	0.002464	µg/m ³	V0
Niobium	0.000006	0.000110	µg/m ³	V0
Molybdenum	0.000025	0.000138	µg/m ³	V0
Palladium	0.000050	0.000116	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000094	µg/m ³	V0
Antimony	0.000016	0.000089	µg/m ³	V0
Cesium	0.000004	0.000035	µg/m ³	V0
Barium	0.000054	0.006984	µg/m ³	V0
Lanthanum	0.000004	0.000330	µg/m ³	V0
Cerium	0.000013	0.000693	µg/m ³	V0
Praseodymium	0.000002	0.000086	µg/m ³	V0
Neodymium	0.000005	0.000306	µg/m ³	V0
Samarium	0.000006	0.000053	µg/m ³	V0
Tantalum	0.000003	0.000294	µg/m ³	V0
Tungsten	0.000005	0.000435	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000031	µg/m ³	V0
Lead	0.000018	0.000505	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000114	µg/m ³	V0
Uranium	0.000003	0.000030	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401363
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.3	°C	
Pressure		722.9	mmHg	
Particulate Matter	0.042	6.000	µg/m ³	V0
Lithium	0.000016	0.000162	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.051521	µg/m ³	V0
Magnesium	0.000279	0.035199	µg/m ³	V0
Aluminum	0.002800	0.086946	µg/m ³	V0
Silicon	0.010200	0.573843	µg/m ³	V0
Phosphorus	0.003480	0.019973	µg/m ³	V0
Potassium	0.000402	0.048495	µg/m ³	V0
Calcium	0.013042	0.120738	µg/m ³	V0
Titanium	0.000031	0.004745	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000611	µg/m ³	V0
Manganese	0.000028	0.001750	µg/m ³	V0
Iron	0.001585	0.078349	µg/m ³	V0
Cobalt	0.000005	0.000100	µg/m ³	V0
Nickel	0.000015	0.000357	µg/m ³	V0
Copper	0.000027	0.000162	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000164	µg/m ³	V0
Strontium	0.000012	0.000536	µg/m ³	V0
Niobium	0.000006	0.000055	µg/m ³	V0
Molybdenum	0.000025	0.000047	µg/m ³	V0
Palladium	0.000050	0.000151	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000065	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	0.000034	µg/m ³	V0
Barium	0.000054	0.001047	µg/m ³	V0
Lanthanum	0.000004	0.000082	µg/m ³	V0
Cerium	0.000013	0.000140	µg/m ³	V0
Praseodymium	0.000002	0.000033	µg/m ³	V0
Neodymium	0.000005	0.000069	µg/m ³	V0
Samarium	0.000006	0.000024	µg/m ³	V0
Tantalum	0.000003	0.000318	µg/m ³	V0
Tungsten	0.000005	0.000112	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000061	µg/m ³	V0
Lead	0.000018	0.000214	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000026	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401367
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.7	°C	
Pressure		738.1	mmHg	
Particulate Matter	0.042	79.958	µg/m ³	V0
Lithium	0.000016	0.001945	µg/m ³	V0
Beryllium	0.000013	0.000083	µg/m ³	V0
Sodium	0.000777	0.315143	µg/m ³	V0
Magnesium	0.000279	0.459711	µg/m ³	V0
Aluminum	0.002800	1.220464	µg/m ³	V0
Silicon	0.010200	3.759734	µg/m ³	V0
Phosphorus	0.003480	0.038163	µg/m ³	V0
Potassium	0.000402	0.639692	µg/m ³	V0
Calcium	0.013042	2.738170	µg/m ³	V0
Titanium	0.000031	0.080876	µg/m ³	V0
Vanadium	0.000018	0.006084	µg/m ³	V0
Chromium	0.000045	0.002511	µg/m ³	V0
Manganese	0.000028	0.052277	µg/m ³	V0
Iron	0.001585	2.838464	µg/m ³	V0
Cobalt	0.000005	0.001240	µg/m ³	V0
Nickel	0.000015	0.001672	µg/m ³	V0
Copper	0.000027	0.001064	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000381	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.003063	µg/m ³	V0
Strontium	0.000012	0.010755	µg/m ³	V0
Niobium	0.000006	0.000267	µg/m ³	V0
Molybdenum	0.000025	0.000276	µg/m ³	V0
Palladium	0.000050	0.000107	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000163	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	0.000120	µg/m ³	V0
Barium	0.000054	0.020648	µg/m ³	V0
Lanthanum	0.000004	0.001078	µg/m ³	V0
Cerium	0.000013	0.002245	µg/m ³	V0
Praseodymium	0.000002	0.000273	µg/m ³	V0
Neodymium	0.000005	0.001055	µg/m ³	V0
Samarium	0.000006	0.000188	µg/m ³	V0
Tantalum	0.000003	0.000177	µg/m ³	V0
Tungsten	0.000005	0.000643	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000029	µg/m ³	V0
Lead	0.000018	0.001148	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000306	µg/m ³	V0
Uranium	0.000003	0.000106	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220401373
Start Date:	2022-04-17 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-04-18 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.1	°C	
Pressure		743.4	mmHg	
Particulate Matter	0.042	65.667	µg/m ³	V0
Lithium	0.000016	0.003880	µg/m ³	V0
Beryllium	0.000013	0.000108	µg/m ³	V0
Sodium	0.000777	0.204368	µg/m ³	V0
Magnesium	0.000279	0.337266	µg/m ³	V0
Aluminum	0.002800	2.179684	µg/m ³	V0
Silicon	0.010200	4.720246	µg/m ³	V0
Phosphorus	0.003480	0.039042	µg/m ³	V0
Potassium	0.000402	0.727588	µg/m ³	V0
Calcium	0.013042	1.418520	µg/m ³	V0
Titanium	0.000031	0.136945	µg/m ³	V0
Vanadium	0.000018	0.009054	µg/m ³	V0
Chromium	0.000045	0.003507	µg/m ³	V0
Manganese	0.000028	0.037176	µg/m ³	V0
Iron	0.001585	1.945828	µg/m ³	V0
Cobalt	0.000005	0.001439	µg/m ³	V0
Nickel	0.000015	0.002143	µg/m ³	V0
Copper	0.000027	0.001038	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000380	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.003762	µg/m ³	V0
Strontium	0.000012	0.008738	µg/m ³	V0
Niobium	0.000006	0.000463	µg/m ³	V0
Molybdenum	0.000025	0.000367	µg/m ³	V0
Palladium	0.000050	0.000149	µg/m ³	V0
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000212	µg/m ³	V0
Antimony	0.000016	0.000065	µg/m ³	V0
Cesium	0.000004	0.000213	µg/m ³	V0
Barium	0.000054	0.021735	µg/m ³	V0
Lanthanum	0.000004	0.001328	µg/m ³	V0
Cerium	0.000013	0.002943	µg/m ³	V0
Praseodymium	0.000002	0.000350	µg/m ³	V0
Neodymium	0.000005	0.001375	µg/m ³	V0
Samarium	0.000006	0.000247	µg/m ³	V0
Tantalum	0.000003	0.000298	µg/m ³	V0
Tungsten	0.000005	0.000276	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000032	µg/m ³	V0
Lead	0.000018	0.001374	µg/m ³	V0
Bismuth	0.000004	0.000026	µg/m ³	V0
Thorium	0.000002	0.000481	µg/m ³	V0
Uranium	0.000003	0.000150	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 220401386
Start Date:	2022-04-17 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2022-04-18 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.1	°C	
Pressure		740.2	mmHg	
Particulate Matter	0.042	19.083	µg/m ³	V0
Lithium	0.000016	0.000983	µg/m ³	V0
Beryllium	0.000013	0.000032	µg/m ³	V0
Sodium	0.000777	0.098967	µg/m ³	V0
Magnesium	0.000279	0.144147	µg/m ³	V0
Aluminum	0.002800	0.646159	µg/m ³	V0
Silicon	0.010200	1.936650	µg/m ³	V0
Phosphorus	0.003480	0.026906	µg/m ³	V0
Potassium	0.000402	0.217933	µg/m ³	V0
Calcium	0.013042	0.682117	µg/m ³	V0
Titanium	0.000031	0.036672	µg/m ³	V0
Vanadium	0.000018	0.001997	µg/m ³	V0
Chromium	0.000045	0.001435	µg/m ³	V0
Manganese	0.000028	0.013122	µg/m ³	V0
Iron	0.001585	0.784318	µg/m ³	V0
Cobalt	0.000005	0.000395	µg/m ³	V0
Nickel	0.000015	0.000724	µg/m ³	V0
Copper	0.000027	0.000543	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000046	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001170	µg/m ³	V0
Strontium	0.000012	0.003259	µg/m ³	V0
Niobium	0.000006	0.000144	µg/m ³	V0
Molybdenum	0.000025	0.000178	µg/m ³	V0
Palladium	0.000050	0.000097	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000131	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	0.000058	µg/m ³	V0
Barium	0.000054	0.007045	µg/m ³	V0
Lanthanum	0.000004	0.000440	µg/m ³	V0
Cerium	0.000013	0.000949	µg/m ³	V0
Praseodymium	0.000002	0.000110	µg/m ³	V0
Neodymium	0.000005	0.000428	µg/m ³	V0
Samarium	0.000006	0.000076	µg/m ³	V0
Tantalum	0.000003	0.000261	µg/m ³	V0
Tungsten	0.000005	0.000109	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000601	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000140	µg/m ³	V0
Uranium	0.000003	0.000039	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220401389
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.3	°C	
Pressure		743.6	mmHg	
Particulate Matter	0.042	57.833	µg/m ³	V0
Lithium	0.000016	0.003194	µg/m ³	V0
Beryllium	0.000013	0.000092	µg/m ³	V0
Sodium	0.000777	0.184767	µg/m ³	V0
Magnesium	0.000279	0.286062	µg/m ³	V0
Aluminum	0.002800	1.868401	µg/m ³	V0
Silicon	0.010200	2.763235	µg/m ³	V0
Phosphorus	0.003480	0.033421	µg/m ³	V0
Potassium	0.000402	0.563939	µg/m ³	V0
Calcium	0.013042	0.988307	µg/m ³	V0
Titanium	0.000031	0.115709	µg/m ³	V0
Vanadium	0.000018	0.007340	µg/m ³	V0
Chromium	0.000045	0.002893	µg/m ³	V0
Manganese	0.000028	0.025352	µg/m ³	V0
Iron	0.001585	1.367417	µg/m ³	V0
Cobalt	0.000005	0.001081	µg/m ³	V0
Nickel	0.000015	0.001504	µg/m ³	V0
Copper	0.000027	0.000744	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000287	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002941	µg/m ³	V0
Strontium	0.000012	0.006655	µg/m ³	V0
Niobium	0.000006	0.000367	µg/m ³	V0
Molybdenum	0.000025	0.000344	µg/m ³	V0
Palladium	0.000050	0.000118	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000188	µg/m ³	V0
Antimony	0.000016	0.000048	µg/m ³	V0
Cesium	0.000004	0.000156	µg/m ³	V0
Barium	0.000054	0.016955	µg/m ³	V0
Lanthanum	0.000004	0.001050	µg/m ³	V0
Cerium	0.000013	0.002330	µg/m ³	V0
Praseodymium	0.000002	0.000278	µg/m ³	V0
Neodymium	0.000005	0.001093	µg/m ³	V0
Samarium	0.000006	0.000199	µg/m ³	V0
Tantalum	0.000003	0.000147	µg/m ³	V0
Tungsten	0.000005	0.000162	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.001079	µg/m ³	V0
Bismuth	0.000004	0.000040	µg/m ³	V0
Thorium	0.000002	0.000378	µg/m ³	V0
Uranium	0.000003	0.000120	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401394
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.2	°C	
Pressure		743.9	mmHg	
Particulate Matter	0.042	22.875	µg/m ³	V0
Lithium	0.000016	0.001049	µg/m ³	V0
Beryllium	0.000013	0.000038	µg/m ³	V0
Sodium	0.000777	0.221078	µg/m ³	V0
Magnesium	0.000279	0.158183	µg/m ³	V0
Aluminum	0.002800	0.821712	µg/m ³	V0
Silicon	0.010200	2.032184	µg/m ³	V0
Phosphorus	0.003480	0.022804	µg/m ³	V0
Potassium	0.000402	0.271401	µg/m ³	V0
Calcium	0.013042	1.317382	µg/m ³	V0
Titanium	0.000031	0.039765	µg/m ³	V0
Vanadium	0.000018	0.003501	µg/m ³	V0
Chromium	0.000045	0.001985	µg/m ³	V0
Manganese	0.000028	0.009585	µg/m ³	V0
Iron	0.001585	0.506976	µg/m ³	V0
Cobalt	0.000005	0.000530	µg/m ³	V0
Nickel	0.000015	0.001184	µg/m ³	V0
Copper	0.000027	0.000986	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000067	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001421	µg/m ³	V0
Strontium	0.000012	0.003973	µg/m ³	V0
Niobium	0.000006	0.000170	µg/m ³	V0
Molybdenum	0.000025	0.000368	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000449	µg/m ³	V0
Antimony	0.000016	0.000210	µg/m ³	V0
Cesium	0.000004	0.000068	µg/m ³	V0
Barium	0.000054	0.008617	µg/m ³	V0
Lanthanum	0.000004	0.000506	µg/m ³	V0
Cerium	0.000013	0.001102	µg/m ³	V0
Praseodymium	0.000002	0.000131	µg/m ³	V0
Neodymium	0.000005	0.000510	µg/m ³	V0
Samarium	0.000006	0.000093	µg/m ³	V0
Tantalum	0.000003	0.000359	µg/m ³	V0
Tungsten	0.000005	0.000465	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000727	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000165	µg/m ³	V0
Uranium	0.000003	0.000046	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401398
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

Field Flag: 'V', Invalid sample (Void).
Field Flag: 'M', Sampler malfunction.
Short sample duration and no volume due to power failure.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2
Temperature		-12.0	°C	
Pressure		742.7	mmHg	



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401404
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.9	°C	
Pressure		733.8	mmHg	
Particulate Matter	0.042	17.458	µg/m ³	V0
Lithium	0.000016	0.000697	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.195620	µg/m ³	V0
Magnesium	0.000279	0.157001	µg/m ³	V0
Aluminum	0.002800	0.500869	µg/m ³	V0
Silicon	0.010200	1.588139	µg/m ³	V0
Phosphorus	0.003480	0.025207	µg/m ³	V0
Potassium	0.000402	0.191040	µg/m ³	V0
Calcium	0.013042	0.832265	µg/m ³	V0
Titanium	0.000031	0.024464	µg/m ³	V0
Vanadium	0.000018	0.002821	µg/m ³	V0
Chromium	0.000045	0.002195	µg/m ³	V0
Manganese	0.000028	0.007705	µg/m ³	V0
Iron	0.001585	0.398306	µg/m ³	V0
Cobalt	0.000005	0.000365	µg/m ³	V0
Nickel	0.000015	0.000855	µg/m ³	V0
Copper	0.000027	0.001775	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000873	µg/m ³	V0
Strontium	0.000012	0.002559	µg/m ³	V0
Niobium	0.000006	0.000123	µg/m ³	V0
Molybdenum	0.000025	0.000325	µg/m ³	V0
Palladium	0.000050	0.000055	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000350	µg/m ³	V0
Antimony	0.000016	0.000176	µg/m ³	V0
Cesium	0.000004	0.000042	µg/m ³	V0
Barium	0.000054	0.005175	µg/m ³	V0
Lanthanum	0.000004	0.000302	µg/m ³	V0
Cerium	0.000013	0.000655	µg/m ³	V0
Praseodymium	0.000002	0.000077	µg/m ³	V0
Neodymium	0.000005	0.000317	µg/m ³	V0
Samarium	0.000006	0.000056	µg/m ³	V0
Tantalum	0.000003	0.000350	µg/m ³	V0
Tungsten	0.000005	0.000440	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000627	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000104	µg/m ³	V0
Uranium	0.000003	0.000029	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401419
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.4	°C	
Pressure		721.7	mmHg	
Particulate Matter	0.042	11.000	µg/m ³	V0
Lithium	0.000016	0.000753	µg/m ³	V0
Beryllium	0.000013	0.000026	µg/m ³	V0
Sodium	0.000777	0.075669	µg/m ³	V0
Magnesium	0.000279	0.108765	µg/m ³	V0
Aluminum	0.002800	0.547779	µg/m ³	V0
Silicon	0.010200	1.464825	µg/m ³	V0
Phosphorus	0.003480	0.019532	µg/m ³	V0
Potassium	0.000402	0.160005	µg/m ³	V0
Calcium	0.013042	0.409388	µg/m ³	V0
Titanium	0.000031	0.025519	µg/m ³	V0
Vanadium	0.000018	0.001560	µg/m ³	V0
Chromium	0.000045	0.001027	µg/m ³	V0
Manganese	0.000028	0.005260	µg/m ³	V0
Iron	0.001585	0.283898	µg/m ³	V0
Cobalt	0.000005	0.000331	µg/m ³	V0
Nickel	0.000015	0.000577	µg/m ³	V0
Copper	0.000027	0.000563	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000005	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000833	µg/m ³	V0
Strontium	0.000012	0.001909	µg/m ³	V0
Niobium	0.000006	0.000119	µg/m ³	V0
Molybdenum	0.000025	0.000098	µg/m ³	V0
Palladium	0.000050	0.000092	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000035	µg/m ³	V0
Tin	0.000008	0.000163	µg/m ³	V0
Antimony	0.000016	0.000047	µg/m ³	V0
Cesium	0.000004	0.000046	µg/m ³	V0
Barium	0.000054	0.004418	µg/m ³	V0
Lanthanum	0.000004	0.000300	µg/m ³	V0
Cerium	0.000013	0.000651	µg/m ³	V0
Praseodymium	0.000002	0.000076	µg/m ³	V0
Neodymium	0.000005	0.000281	µg/m ³	V0
Samarium	0.000006	0.000052	µg/m ³	V0
Tantalum	0.000003	0.000336	µg/m ³	V0
Tungsten	0.000005	0.000171	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000599	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000104	µg/m ³	V0
Uranium	0.000003	0.000031	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220401856
Start Date:	2022-04-20 14:25	End Date:	2022-04-20 14:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.016720	µg/m ³	V0
Potassium	0.000402	0.003236	µg/m ³	V0
Calcium	0.013042	0.025704	µg/m ³	V0
Titanium	0.000031	0.000561	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001457	µg/m ³	V0
Manganese	0.000028	0.000145	µg/m ³	V0
Iron	0.001585	0.012473	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000236	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000020	µg/m ³	V0
Niobium	0.000006	0.000031	µg/m ³	V0
Molybdenum	0.000025	0.000043	µg/m ³	V0
Palladium	0.000050	0.000063	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000097	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000232	µg/m ³	V0
Tungsten	0.000005	0.000011	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401426
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.4	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	54.000	µg/m ³	V0
Lithium	0.000016	0.002588	µg/m ³	V0
Beryllium	0.000013	0.000096	µg/m ³	V0
Sodium	0.000777	0.212372	µg/m ³	V0
Magnesium	0.000279	0.591822	µg/m ³	V0
Aluminum	0.002800	1.739866	µg/m ³	V0
Silicon	0.010200	2.540341	µg/m ³	V0
Phosphorus	0.003480	0.045081	µg/m ³	V0
Potassium	0.000402	0.593623	µg/m ³	V0
Calcium	0.013042	3.846965	µg/m ³	V0
Titanium	0.000031	0.102768	µg/m ³	V0
Vanadium	0.000018	0.006527	µg/m ³	V0
Chromium	0.000045	0.003440	µg/m ³	V0
Manganese	0.000028	0.051346	µg/m ³	V0
Iron	0.001585	3.017048	µg/m ³	V0
Cobalt	0.000005	0.001314	µg/m ³	V0
Nickel	0.000015	0.001798	µg/m ³	V0
Copper	0.000027	0.001211	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000433	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002898	µg/m ³	V0
Strontium	0.000012	0.011826	µg/m ³	V0
Niobium	0.000006	0.000311	µg/m ³	V0
Molybdenum	0.000025	0.000470	µg/m ³	V0
Palladium	0.000050	0.000123	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000287	µg/m ³	V0
Antimony	0.000016	0.000082	µg/m ³	V0
Cesium	0.000004	0.000132	µg/m ³	V0
Barium	0.000054	0.022763	µg/m ³	V0
Lanthanum	0.000004	0.001375	µg/m ³	V0
Cerium	0.000013	0.002837	µg/m ³	V0
Praseodymium	0.000002	0.000338	µg/m ³	V0
Neodymium	0.000005	0.001287	µg/m ³	V0
Samarium	0.000006	0.000231	µg/m ³	V0
Tantalum	0.000003	0.000145	µg/m ³	V0
Tungsten	0.000005	0.001037	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000027	µg/m ³	V0
Lead	0.000018	0.001207	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000435	µg/m ³	V0
Uranium	0.000003	0.000118	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220401434
Start Date:	2022-04-23 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-04-24 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.3	°C	
Pressure		741.0	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Lithium	0.000016	0.000049	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027476	µg/m ³	V0
Magnesium	0.000279	0.017139	µg/m ³	V0
Aluminum	0.002800	0.066243	µg/m ³	V0
Silicon	0.010200	0.594657	µg/m ³	V0
Phosphorus	0.003480	0.013997	µg/m ³	V0
Potassium	0.000402	0.034185	µg/m ³	V0
Calcium	0.013042	0.057075	µg/m ³	V0
Titanium	0.000031	0.004472	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001002	µg/m ³	V0
Manganese	0.000028	0.001012	µg/m ³	V0
Iron	0.001585	0.047909	µg/m ³	V0
Cobalt	0.000005	0.000070	µg/m ³	V0
Nickel	0.000015	0.000480	µg/m ³	V0
Copper	0.000027	0.000168	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000117	µg/m ³	V0
Strontium	0.000012	0.000364	µg/m ³	V0
Niobium	0.000006	0.000143	µg/m ³	V0
Molybdenum	0.000025	0.000057	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000072	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000766	µg/m ³	V0
Lanthanum	0.000004	0.000061	µg/m ³	V0
Cerium	0.000013	0.000116	µg/m ³	V0
Praseodymium	0.000002	0.000013	µg/m ³	V0
Neodymium	0.000005	0.000049	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.001185	µg/m ³	V0
Tungsten	0.000005	0.000076	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000248	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401863
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.8	°C	
Pressure		714.1	mmHg	
Particulate Matter	0.042	9.958	µg/m ³	V0
Lithium	0.000016	0.000110	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.037908	µg/m ³	V0
Magnesium	0.000279	0.061154	µg/m ³	V0
Aluminum	0.002800	0.101481	µg/m ³	V0
Silicon	0.010200	0.873539	µg/m ³	V0
Phosphorus	0.003480	0.020596	µg/m ³	V0
Potassium	0.000402	0.057466	µg/m ³	V0
Calcium	0.013042	0.256507	µg/m ³	V0
Titanium	0.000031	0.006762	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000751	µg/m ³	V0
Manganese	0.000028	0.002517	µg/m ³	V0
Iron	0.001585	0.118482	µg/m ³	V0
Cobalt	0.000005	0.000103	µg/m ³	V0
Nickel	0.000015	0.000448	µg/m ³	V0
Copper	0.000027	0.000058	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000234	µg/m ³	V0
Strontium	0.000012	0.000734	µg/m ³	V0
Niobium	0.000006	0.000076	µg/m ³	V0
Molybdenum	0.000025	0.000089	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000115	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.001494	µg/m ³	V0
Lanthanum	0.000004	0.000088	µg/m ³	V0
Cerium	0.000013	0.000177	µg/m ³	V0
Praseodymium	0.000002	0.000021	µg/m ³	V0
Neodymium	0.000005	0.000083	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000276	µg/m ³	V0
Tungsten	0.000005	0.000155	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000190	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401875
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.6	°C	
Pressure		721.9	mmHg	
Particulate Matter	0.042	14.583	µg/m ³	V0
Lithium	0.000016	0.000387	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.076019	µg/m ³	V0
Magnesium	0.000279	0.113728	µg/m ³	V0
Aluminum	0.002800	0.297705	µg/m ³	V0
Silicon	0.010200	1.620492	µg/m ³	V0
Phosphorus	0.003480	0.025347	µg/m ³	V0
Potassium	0.000402	0.134040	µg/m ³	V0
Calcium	0.013042	0.350440	µg/m ³	V0
Titanium	0.000031	0.018493	µg/m ³	V0
Vanadium	0.000018	0.000790	µg/m ³	V0
Chromium	0.000045	0.001000	µg/m ³	V0
Manganese	0.000028	0.006253	µg/m ³	V0
Iron	0.001585	0.247555	µg/m ³	V0
Cobalt	0.000005	0.000213	µg/m ³	V0
Nickel	0.000015	0.000576	µg/m ³	V0
Copper	0.000027	0.001100	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000033	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000587	µg/m ³	V0
Strontium	0.000012	0.001571	µg/m ³	V0
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	0.000149	µg/m ³	V0
Palladium	0.000050	0.000160	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.000501	µg/m ³	V0
Antimony	0.000016	0.000734	µg/m ³	V0
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	0.003941	µg/m ³	V0
Lanthanum	0.000004	0.000313	µg/m ³	V0
Cerium	0.000013	0.000579	µg/m ³	V0
Praseodymium	0.000002	0.000054	µg/m ³	V0
Neodymium	0.000005	0.000221	µg/m ³	V0
Samarium	0.000006	0.000036	µg/m ³	V0
Tantalum	0.000003	0.000225	µg/m ³	V0
Tungsten	0.000005	0.000195	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000658	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000070	µg/m ³	V0
Uranium	0.000003	0.000024	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: **PM10 Metal**
Location: **Ells River**
Start Date: **2022-04-23 00:00**

Deployment Information

Samp Use: **Exposure**
Loc ID: **ELSR**
End Date: **2022-04-24 00:00**

Set Index: **1**
WBEA ID: **220401882**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.5	°C	
Pressure		738.9	mmHg	
Particulate Matter	0.042	9.583	µg/m ³	V0
Lithium	0.000016	0.000397	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.054863	µg/m ³	V0
Magnesium	0.000279	0.069608	µg/m ³	V0
Aluminum	0.002800	0.269293	µg/m ³	V0
Silicon	0.010200	0.850754	µg/m ³	V0
Phosphorus	0.003480	0.021161	µg/m ³	V0
Potassium	0.000402	0.095124	µg/m ³	V0
Calcium	0.013042	0.232472	µg/m ³	V0
Titanium	0.000031	0.015076	µg/m ³	V0
Vanadium	0.000018	0.000506	µg/m ³	V0
Chromium	0.000045	0.001218	µg/m ³	V0
Manganese	0.000028	0.004613	µg/m ³	V0
Iron	0.001585	0.275865	µg/m ³	V0
Cobalt	0.000005	0.000173	µg/m ³	V0
Nickel	0.000015	0.000482	µg/m ³	V0
Copper	0.000027	0.000201	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000452	µg/m ³	V0
Strontium	0.000012	0.001171	µg/m ³	V0
Niobium	0.000006	0.000083	µg/m ³	V0
Molybdenum	0.000025	0.000090	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000197	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	0.002711	µg/m ³	V0
Lanthanum	0.000004	0.000181	µg/m ³	V0
Cerium	0.000013	0.000361	µg/m ³	V0
Praseodymium	0.000002	0.000043	µg/m ³	V0
Neodymium	0.000005	0.000173	µg/m ³	V0
Samarium	0.000006	0.000030	µg/m ³	V0
Tantalum	0.000003	0.000246	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000361	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000062	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220401885
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.3	°C	
Pressure		742.2	mmHg	
Particulate Matter	0.042	24.875	µg/m ³	V0
Lithium	0.000016	0.001790	µg/m ³	V0
Beryllium	0.000013	0.000045	µg/m ³	V0
Sodium	0.000777	0.107364	µg/m ³	V0
Magnesium	0.000279	0.161976	µg/m ³	V0
Aluminum	0.002800	1.124777	µg/m ³	V0
Silicon	0.010200	3.013246	µg/m ³	V0
Phosphorus	0.003480	0.028304	µg/m ³	V0
Potassium	0.000402	0.306355	µg/m ³	V0
Calcium	0.013042	0.691755	µg/m ³	V0
Titanium	0.000031	0.070585	µg/m ³	V0
Vanadium	0.000018	0.003617	µg/m ³	V0
Chromium	0.000045	0.002000	µg/m ³	V0
Manganese	0.000028	0.013707	µg/m ³	V0
Iron	0.001585	0.695121	µg/m ³	V0
Cobalt	0.000005	0.000612	µg/m ³	V0
Nickel	0.000015	0.001174	µg/m ³	V0
Copper	0.000027	0.000846	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000082	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001726	µg/m ³	V0
Strontium	0.000012	0.003816	µg/m ³	V0
Niobium	0.000006	0.000344	µg/m ³	V0
Molybdenum	0.000025	0.000223	µg/m ³	V0
Palladium	0.000050	0.000077	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000275	µg/m ³	V0
Antimony	0.000016	0.000116	µg/m ³	V0
Cesium	0.000004	0.000095	µg/m ³	V0
Barium	0.000054	0.010329	µg/m ³	V0
Lanthanum	0.000004	0.000639	µg/m ³	V0
Cerium	0.000013	0.001363	µg/m ³	V0
Praseodymium	0.000002	0.000163	µg/m ³	V0
Neodymium	0.000005	0.000642	µg/m ³	V0
Samarium	0.000006	0.000115	µg/m ³	V0
Tantalum	0.000003	0.001036	µg/m ³	V0
Tungsten	0.000005	0.000235	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000911	µg/m ³	V0
Bismuth	0.000004	0.000111	µg/m ³	V0
Thorium	0.000002	0.000234	µg/m ³	V0
Uranium	0.000003	0.000068	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220401891
Start Date:	2022-04-23 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-04-24 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.2	°C	
Pressure		741.4	mmHg	
Particulate Matter	0.042	32.042	µg/m ³	V0
Lithium	0.000016	0.001515	µg/m ³	V0
Beryllium	0.000013	0.000042	µg/m ³	V0
Sodium	0.000777	0.082668	µg/m ³	V0
Magnesium	0.000279	0.142523	µg/m ³	V0
Aluminum	0.002800	0.787984	µg/m ³	V0
Silicon	0.010200	1.995418	µg/m ³	V0
Phosphorus	0.003480	0.024659	µg/m ³	V0
Potassium	0.000402	0.266760	µg/m ³	V0
Calcium	0.013042	0.946442	µg/m ³	V0
Titanium	0.000031	0.050194	µg/m ³	V0
Vanadium	0.000018	0.002800	µg/m ³	V0
Chromium	0.000045	0.001929	µg/m ³	V0
Manganese	0.000028	0.013288	µg/m ³	V0
Iron	0.001585	0.648501	µg/m ³	V0
Cobalt	0.000005	0.000484	µg/m ³	V0
Nickel	0.000015	0.000874	µg/m ³	V0
Copper	0.000027	0.000570	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000043	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001384	µg/m ³	V0
Strontium	0.000012	0.003739	µg/m ³	V0
Niobium	0.000006	0.000177	µg/m ³	V0
Molybdenum	0.000025	0.000176	µg/m ³	V0
Palladium	0.000050	0.000150	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000177	µg/m ³	V0
Antimony	0.000016	0.000105	µg/m ³	V0
Cesium	0.000004	0.000072	µg/m ³	V0
Barium	0.000054	0.007980	µg/m ³	V0
Lanthanum	0.000004	0.000536	µg/m ³	V0
Cerium	0.000013	0.001136	µg/m ³	V0
Praseodymium	0.000002	0.000134	µg/m ³	V0
Neodymium	0.000005	0.000533	µg/m ³	V0
Samarium	0.000006	0.000094	µg/m ³	V0
Tantalum	0.000003	0.000127	µg/m ³	V0
Tungsten	0.000005	0.000105	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000562	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000160	µg/m ³	V0
Uranium	0.000003	0.000052	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401914
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.1	°C	
Pressure		721.0	mmHg	
Particulate Matter	0.042	12.958	µg/m ³	V0
Lithium	0.000016	0.000432	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.050676	µg/m ³	V0
Magnesium	0.000279	0.063725	µg/m ³	V0
Aluminum	0.002800	0.263074	µg/m ³	V0
Silicon	0.010200	1.320100	µg/m ³	V0
Phosphorus	0.003480	0.017508	µg/m ³	V0
Potassium	0.000402	0.098453	µg/m ³	V0
Calcium	0.013042	0.268360	µg/m ³	V0
Titanium	0.000031	0.013232	µg/m ³	V0
Vanadium	0.000018	0.000954	µg/m ³	V0
Chromium	0.000045	0.002491	µg/m ³	V0
Manganese	0.000028	0.003616	µg/m ³	V0
Iron	0.001585	0.199767	µg/m ³	V0
Cobalt	0.000005	0.000174	µg/m ³	V0
Nickel	0.000015	0.000654	µg/m ³	V0
Copper	0.000027	0.000685	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000483	µg/m ³	V0
Strontium	0.000012	0.001158	µg/m ³	V0
Niobium	0.000006	0.000487	µg/m ³	V0
Molybdenum	0.000025	0.000840	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000206	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000228	µg/m ³	V0
Antimony	0.000016	0.000211	µg/m ³	V0
Cesium	0.000004	0.000024	µg/m ³	V0
Barium	0.000054	0.002460	µg/m ³	V0
Lanthanum	0.000004	0.000150	µg/m ³	V0
Cerium	0.000013	0.000316	µg/m ³	V0
Praseodymium	0.000002	0.000038	µg/m ³	V0
Neodymium	0.000005	0.000140	µg/m ³	V0
Samarium	0.000006	0.000028	µg/m ³	V0
Tantalum	0.000003	0.005713	µg/m ³	V0
Tungsten	0.000005	0.005068	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000312	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000054	µg/m ³	V0
Uranium	0.000003	0.000015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401920
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.1	°C	
Pressure		742.6	mmHg	
Particulate Matter	0.042	36.417	µg/m ³	V0
Lithium	0.000016	0.000913	µg/m ³	V0
Beryllium	0.000013	0.000030	µg/m ³	V0
Sodium	0.000777	0.130939	µg/m ³	V0
Magnesium	0.000279	0.149455	µg/m ³	V0
Aluminum	0.002800	0.540023	µg/m ³	V0
Silicon	0.010200	2.093860	µg/m ³	V0
Phosphorus	0.003480	0.026032	µg/m ³	V0
Potassium	0.000402	0.252609	µg/m ³	V0
Calcium	0.013042	1.085448	µg/m ³	V0
Titanium	0.000031	0.032812	µg/m ³	V0
Vanadium	0.000018	0.002819	µg/m ³	V0
Chromium	0.000045	0.002718	µg/m ³	V0
Manganese	0.000028	0.009088	µg/m ³	V0
Iron	0.001585	0.477854	µg/m ³	V0
Cobalt	0.000005	0.000450	µg/m ³	V0
Nickel	0.000015	0.000990	µg/m ³	V0
Copper	0.000027	0.000812	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001223	µg/m ³	V0
Strontium	0.000012	0.003392	µg/m ³	V0
Niobium	0.000006	0.000168	µg/m ³	V0
Molybdenum	0.000025	0.000369	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000028	µg/m ³	V0
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000267	µg/m ³	V0
Antimony	0.000016	0.000162	µg/m ³	V0
Cesium	0.000004	0.000056	µg/m ³	V0
Barium	0.000054	0.006825	µg/m ³	V0
Lanthanum	0.000004	0.000374	µg/m ³	V0
Cerium	0.000013	0.000759	µg/m ³	V0
Praseodymium	0.000002	0.000089	µg/m ³	V0
Neodymium	0.000005	0.000363	µg/m ³	V0
Samarium	0.000006	0.000063	µg/m ³	V0
Tantalum	0.000003	0.000316	µg/m ³	V0
Tungsten	0.000005	0.000653	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000444	µg/m ³	V0
Bismuth	0.000004	0.000032	µg/m ³	V0
Thorium	0.000002	0.000114	µg/m ³	V0
Uranium	0.000003	0.000037	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401928
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.8	°C	
Pressure		732.7	mmHg	
Particulate Matter	0.042	30.167	µg/m ³	V0
Lithium	0.000016	0.001427	µg/m ³	V0
Beryllium	0.000013	0.000045	µg/m ³	V0
Sodium	0.000777	0.234524	µg/m ³	V0
Magnesium	0.000279	0.249661	µg/m ³	V0
Aluminum	0.002800	0.940325	µg/m ³	V0
Silicon	0.010200	2.150254	µg/m ³	V0
Phosphorus	0.003480	0.029085	µg/m ³	V0
Potassium	0.000402	0.326876	µg/m ³	V0
Calcium	0.013042	1.668542	µg/m ³	V0
Titanium	0.000031	0.048404	µg/m ³	V0
Vanadium	0.000018	0.005041	µg/m ³	V0
Chromium	0.000045	0.001852	µg/m ³	V0
Manganese	0.000028	0.015172	µg/m ³	V0
Iron	0.001585	0.843953	µg/m ³	V0
Cobalt	0.000005	0.000710	µg/m ³	V0
Nickel	0.000015	0.001141	µg/m ³	V0
Copper	0.000027	0.001116	µg/m ³	V0
Zinc	0.000149	0.000578	µg/m ³	V0
Arsenic	0.000005	0.000154	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001679	µg/m ³	V0
Strontium	0.000012	0.005406	µg/m ³	V0
Niobium	0.000006	0.000275	µg/m ³	V0
Molybdenum	0.000025	0.000569	µg/m ³	V0
Palladium	0.000050	0.000066	µg/m ³	V0
Silver	0.000006	0.000055	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000405	µg/m ³	V0
Antimony	0.000016	0.000342	µg/m ³	V0
Cesium	0.000004	0.000079	µg/m ³	V0
Barium	0.000054	0.010716	µg/m ³	V0
Lanthanum	0.000004	0.000621	µg/m ³	V0
Cerium	0.000013	0.001312	µg/m ³	V0
Praseodymium	0.000002	0.000157	µg/m ³	V0
Neodymium	0.000005	0.000598	µg/m ³	V0
Samarium	0.000006	0.000107	µg/m ³	V0
Tantalum	0.000003	0.000516	µg/m ³	V0
Tungsten	0.000005	0.001346	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000830	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000203	µg/m ³	V0
Uranium	0.000003	0.000059	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220401973
Start Date:	2022-04-26 14:10	End Date:	2022-04-26 14:11	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.019955	µg/m ³	V0
Potassium	0.000402	0.004915	µg/m ³	V0
Calcium	0.013042	0.017362	µg/m ³	V0
Titanium	0.000031	0.000784	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000495	µg/m ³	V0
Manganese	0.000028	0.000098	µg/m ³	V0
Iron	0.001585	0.005471	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000233	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000024	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000095	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000181	µg/m ³	V0
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220401958
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.9	°C	
Pressure		733.9	mmHg	
Particulate Matter	0.042	16.250	µg/m ³	V0
Lithium	0.000016	0.000666	µg/m ³	V0
Beryllium	0.000013	0.000030	µg/m ³	V0
Sodium	0.000777	0.071922	µg/m ³	V0
Magnesium	0.000279	0.139674	µg/m ³	V0
Aluminum	0.002800	0.494033	µg/m ³	V0
Silicon	0.010200	1.523197	µg/m ³	V0
Phosphorus	0.003480	0.025824	µg/m ³	V0
Potassium	0.000402	0.152875	µg/m ³	V0
Calcium	0.013042	0.592919	µg/m ³	V0
Titanium	0.000031	0.023932	µg/m ³	V0
Vanadium	0.000018	0.001200	µg/m ³	V0
Chromium	0.000045	0.001246	µg/m ³	V0
Manganese	0.000028	0.010535	µg/m ³	V0
Iron	0.001585	0.638992	µg/m ³	V0
Cobalt	0.000005	0.000313	µg/m ³	V0
Nickel	0.000015	0.000665	µg/m ³	V0
Copper	0.000027	0.000326	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000797	µg/m ³	V0
Strontium	0.000012	0.002424	µg/m ³	V0
Niobium	0.000006	0.000118	µg/m ³	V0
Molybdenum	0.000025	0.000148	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000154	µg/m ³	V0
Antimony	0.000016	0.000051	µg/m ³	V0
Cesium	0.000004	0.000036	µg/m ³	V0
Barium	0.000054	0.005354	µg/m ³	V0
Lanthanum	0.000004	0.000313	µg/m ³	V0
Cerium	0.000013	0.000671	µg/m ³	V0
Praseodymium	0.000002	0.000079	µg/m ³	V0
Neodymium	0.000005	0.000323	µg/m ³	V0
Samarium	0.000006	0.000055	µg/m ³	V0
Tantalum	0.000003	0.000274	µg/m ³	V0
Tungsten	0.000005	0.000134	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000443	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000109	µg/m ³	V0
Uranium	0.000003	0.000030	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401970
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.7	°C	
Pressure		739.8	mmHg	
Particulate Matter	0.042	22.417	µg/m ³	V0
Lithium	0.000016	0.000809	µg/m ³	V0
Beryllium	0.000013	0.000025	µg/m ³	V0
Sodium	0.000777	0.203722	µg/m ³	V0
Magnesium	0.000279	0.124373	µg/m ³	V0
Aluminum	0.002800	0.511308	µg/m ³	V0
Silicon	0.010200	1.962315	µg/m ³	V0
Phosphorus	0.003480	0.022774	µg/m ³	V0
Potassium	0.000402	0.212410	µg/m ³	V0
Calcium	0.013042	0.930054	µg/m ³	V0
Titanium	0.000031	0.028652	µg/m ³	V0
Vanadium	0.000018	0.003903	µg/m ³	V0
Chromium	0.000045	0.004162	µg/m ³	V0
Manganese	0.000028	0.006546	µg/m ³	V0
Iron	0.001585	0.357035	µg/m ³	V0
Cobalt	0.000005	0.000369	µg/m ³	V0
Nickel	0.000015	0.001007	µg/m ³	V0
Copper	0.000027	0.000771	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000010	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001070	µg/m ³	V0
Strontium	0.000012	0.002833	µg/m ³	V0
Niobium	0.000006	0.000123	µg/m ³	V0
Molybdenum	0.000025	0.000773	µg/m ³	V0
Palladium	0.000050	0.000082	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000189	µg/m ³	V0
Antimony	0.000016	0.000179	µg/m ³	V0
Cesium	0.000004	0.000048	µg/m ³	V0
Barium	0.000054	0.006143	µg/m ³	V0
Lanthanum	0.000004	0.000330	µg/m ³	V0
Cerium	0.000013	0.000701	µg/m ³	V0
Praseodymium	0.000002	0.000083	µg/m ³	V0
Neodymium	0.000005	0.000358	µg/m ³	V0
Samarium	0.000006	0.000059	µg/m ³	V0
Tantalum	0.000003	0.000285	µg/m ³	V0
Tungsten	0.000005	0.000216	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000418	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000098	µg/m ³	V0
Uranium	0.000003	0.000035	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401979
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.9	°C	
Pressure		719.1	mmHg	
Particulate Matter	0.042	2.083	µg/m ³	V0
Lithium	0.000016	0.000048	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007952	µg/m ³	V0
Magnesium	0.000279	0.007301	µg/m ³	V0
Aluminum	0.002800	0.019847	µg/m ³	V0
Silicon	0.010200	0.090930	µg/m ³	V0
Phosphorus	0.003480	0.017505	µg/m ³	V0
Potassium	0.000402	0.016789	µg/m ³	V0
Calcium	0.013042	0.059231	µg/m ³	V0
Titanium	0.000031	0.002143	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000695	µg/m ³	V0
Manganese	0.000028	0.000629	µg/m ³	V0
Iron	0.001585	0.029117	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000238	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000052	µg/m ³	V0
Strontium	0.000012	0.000180	µg/m ³	V0
Niobium	0.000006	0.000020	µg/m ³	V0
Molybdenum	0.000025	0.000061	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000087	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000307	µg/m ³	V0
Lanthanum	0.000004	0.000021	µg/m ³	V0
Cerium	0.000013	0.000043	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000021	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000144	µg/m ³	V0
Tungsten	0.000005	0.000007	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000067	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401984
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.2	°C	
Pressure		729.7	mmHg	
Particulate Matter	0.042	18.542	µg/m ³	V0
Lithium	0.000016	0.000661	µg/m ³	V0
Beryllium	0.000013	0.000030	µg/m ³	V0
Sodium	0.000777	0.547908	µg/m ³	V0
Magnesium	0.000279	0.120356	µg/m ³	V0
Aluminum	0.002800	0.406064	µg/m ³	V0
Silicon	0.010200	0.936742	µg/m ³	V0
Phosphorus	0.003480	0.023227	µg/m ³	V0
Potassium	0.000402	0.139893	µg/m ³	V0
Calcium	0.013042	0.870370	µg/m ³	V0
Titanium	0.000031	0.022115	µg/m ³	V0
Vanadium	0.000018	0.005388	µg/m ³	V0
Chromium	0.000045	0.002193	µg/m ³	V0
Manganese	0.000028	0.005589	µg/m ³	V0
Iron	0.001585	0.293665	µg/m ³	V0
Cobalt	0.000005	0.000274	µg/m ³	V0
Nickel	0.000015	0.001170	µg/m ³	V0
Copper	0.000027	0.000449	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000075	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000696	µg/m ³	V0
Strontium	0.000012	0.002170	µg/m ³	V0
Niobium	0.000006	0.000082	µg/m ³	V0
Molybdenum	0.000025	0.000503	µg/m ³	V0
Palladium	0.000050	0.000182	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000117	µg/m ³	V0
Antimony	0.000016	0.000233	µg/m ³	V0
Cesium	0.000004	0.000051	µg/m ³	V0
Barium	0.000054	0.003493	µg/m ³	V0
Lanthanum	0.000004	0.000248	µg/m ³	V0
Cerium	0.000013	0.000536	µg/m ³	V0
Praseodymium	0.000002	0.000073	µg/m ³	V0
Neodymium	0.000005	0.000265	µg/m ³	V0
Samarium	0.000006	0.000054	µg/m ³	V0
Tantalum	0.000003	0.000178	µg/m ³	V0
Tungsten	0.000005	0.000177	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000057	µg/m ³	V0
Lead	0.000018	0.000362	µg/m ³	V0
Bismuth	0.000004	0.000027	µg/m ³	V0
Thorium	0.000002	0.000087	µg/m ³	V0
Uranium	0.000003	0.000032	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00
		Set Index:	1
		WBEA ID:	220401990
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.7	°C	
Pressure		711.4	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Lithium	0.000016	0.000017	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006938	µg/m ³	V0
Magnesium	0.000279	0.006357	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.126897	µg/m ³	V0
Phosphorus	0.003480	0.017483	µg/m ³	V0
Potassium	0.000402	0.012094	µg/m ³	V0
Calcium	0.013042	0.071226	µg/m ³	V0
Titanium	0.000031	0.001355	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000588	µg/m ³	V0
Manganese	0.000028	0.001190	µg/m ³	V0
Iron	0.001585	0.099440	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000336	µg/m ³	V0
Copper	0.000027	0.000112	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000029	µg/m ³	V0
Strontium	0.000012	0.000134	µg/m ³	V0
Niobium	0.000006	0.000028	µg/m ³	V0
Molybdenum	0.000025	0.000041	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000177	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000247	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000192	µg/m ³	V0
Tungsten	0.000005	0.000013	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000031	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401994
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.6	°C	
Pressure		718.0	mmHg	
Particulate Matter	0.042	4.500	µg/m ³	V0
Lithium	0.000016	0.000148	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.021140	µg/m ³	V0
Magnesium	0.000279	0.017517	µg/m ³	V0
Aluminum	0.002800	0.084404	µg/m ³	V0
Silicon	0.010200	0.338631	µg/m ³	V0
Phosphorus	0.003480	0.022048	µg/m ³	V0
Potassium	0.000402	0.036625	µg/m ³	V0
Calcium	0.013042	0.108885	µg/m ³	V0
Titanium	0.000031	0.005554	µg/m ³	V0
Vanadium	0.000018	0.000210	µg/m ³	V0
Chromium	0.000045	0.000657	µg/m ³	V0
Manganese	0.000028	0.001042	µg/m ³	V0
Iron	0.001585	0.056477	µg/m ³	V0
Cobalt	0.000005	0.000069	µg/m ³	V0
Nickel	0.000015	0.000348	µg/m ³	V0
Copper	0.000027	0.000073	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000146	µg/m ³	V0
Strontium	0.000012	0.000357	µg/m ³	V0
Niobium	0.000006	0.000034	µg/m ³	V0
Molybdenum	0.000025	0.000115	µg/m ³	V0
Palladium	0.000050	0.000113	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000128	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.000674	µg/m ³	V0
Lanthanum	0.000004	0.000049	µg/m ³	V0
Cerium	0.000013	0.000099	µg/m ³	V0
Praseodymium	0.000002	0.000013	µg/m ³	V0
Neodymium	0.000005	0.000049	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000157	µg/m ³	V0
Tungsten	0.000005	0.000031	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000023	µg/m ³	V0
Lead	0.000018	0.000105	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000020	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220402032	
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.7	°C	
Pressure		738.6	mmHg	
Particulate Matter	0.042	23.958	µg/m ³	V0
Lithium	0.000016	0.001521	µg/m ³	V0
Beryllium	0.000013	0.000036	µg/m ³	V0
Sodium	0.000777	0.074404	µg/m ³	V0
Magnesium	0.000279	0.133620	µg/m ³	V0
Aluminum	0.002800	0.787108	µg/m ³	V0
Silicon	0.010200	2.613391	µg/m ³	V0
Phosphorus	0.003480	0.028600	µg/m ³	V0
Potassium	0.000402	0.272441	µg/m ³	V0
Calcium	0.013042	0.506390	µg/m ³	V0
Titanium	0.000031	0.047452	µg/m ³	V0
Vanadium	0.000018	0.002499	µg/m ³	V0
Chromium	0.000045	0.001922	µg/m ³	V0
Manganese	0.000028	0.011941	µg/m ³	V0
Iron	0.001585	0.555455	µg/m ³	V0
Cobalt	0.000005	0.000476	µg/m ³	V0
Nickel	0.000015	0.001015	µg/m ³	V0
Copper	0.000027	0.000363	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000062	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001180	µg/m ³	V0
Strontium	0.000012	0.002657	µg/m ³	V0
Niobium	0.000006	0.000168	µg/m ³	V0
Molybdenum	0.000025	0.000180	µg/m ³	V0
Palladium	0.000050	0.000118	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000142	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000068	µg/m ³	V0
Barium	0.000054	0.006180	µg/m ³	V0
Lanthanum	0.000004	0.000380	µg/m ³	V0
Cerium	0.000013	0.000862	µg/m ³	V0
Praseodymium	0.000002	0.000103	µg/m ³	V0
Neodymium	0.000005	0.000396	µg/m ³	V0
Samarium	0.000006	0.000074	µg/m ³	V0
Tantalum	0.000003	0.000210	µg/m ³	V0
Tungsten	0.000005	0.000085	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000023	µg/m ³	V0
Lead	0.000018	0.000559	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000151	µg/m ³	V0
Uranium	0.000003	0.000052	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220402048
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.0	°C	
Pressure		739.4	mmHg	
Particulate Matter	0.042	30.625	µg/m ³	V0
Lithium	0.000016	0.002288	µg/m ³	V0
Beryllium	0.000013	0.000057	µg/m ³	V0
Sodium	0.000777	0.117795	µg/m ³	V0
Magnesium	0.000279	0.181466	µg/m ³	V0
Aluminum	0.002800	1.382457	µg/m ³	V0
Silicon	0.010200	2.950973	µg/m ³	V0
Phosphorus	0.003480	0.029234	µg/m ³	V0
Potassium	0.000402	0.378077	µg/m ³	V0
Calcium	0.013042	0.679737	µg/m ³	V0
Titanium	0.000031	0.069643	µg/m ³	V0
Vanadium	0.000018	0.004110	µg/m ³	V0
Chromium	0.000045	0.002019	µg/m ³	V0
Manganese	0.000028	0.018064	µg/m ³	V0
Iron	0.001585	0.836571	µg/m ³	V0
Cobalt	0.000005	0.000681	µg/m ³	V0
Nickel	0.000015	0.001064	µg/m ³	V0
Copper	0.000027	0.000567	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000090	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002101	µg/m ³	V0
Strontium	0.000012	0.004105	µg/m ³	V0
Niobium	0.000006	0.000247	µg/m ³	V0
Molybdenum	0.000025	0.000223	µg/m ³	V0
Palladium	0.000050	0.000091	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000145	µg/m ³	V0
Antimony	0.000016	0.000089	µg/m ³	V0
Cesium	0.000004	0.000112	µg/m ³	V0
Barium	0.000054	0.010002	µg/m ³	V0
Lanthanum	0.000004	0.000758	µg/m ³	V0
Cerium	0.000013	0.001656	µg/m ³	V0
Praseodymium	0.000002	0.000195	µg/m ³	V0
Neodymium	0.000005	0.000810	µg/m ³	V0
Samarium	0.000006	0.000138	µg/m ³	V0
Tantalum	0.000003	0.000227	µg/m ³	V0
Tungsten	0.000005	0.000114	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000757	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000267	µg/m ³	V0
Uranium	0.000003	0.000073	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 220402051
Start Date:	2022-04-29 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2022-04-30 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.1	°C	
Pressure		736.3	mmHg	
Particulate Matter	0.042	7.333	µg/m ³	V0
Lithium	0.000016	0.000180	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.040709	µg/m ³	V0
Magnesium	0.000279	0.046060	µg/m ³	V0
Aluminum	0.002800	0.140078	µg/m ³	V0
Silicon	0.010200	0.865059	µg/m ³	V0
Phosphorus	0.003480	0.018460	µg/m ³	V0
Potassium	0.000402	0.056260	µg/m ³	V0
Calcium	0.013042	0.165123	µg/m ³	V0
Titanium	0.000031	0.007878	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000456	µg/m ³	V0
Manganese	0.000028	0.003371	µg/m ³	V0
Iron	0.001585	0.189940	µg/m ³	V0
Cobalt	0.000005	0.000106	µg/m ³	V0
Nickel	0.000015	0.000240	µg/m ³	V0
Copper	0.000027	0.000077	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000259	µg/m ³	V0
Strontium	0.000012	0.000707	µg/m ³	V0
Niobium	0.000006	0.000047	µg/m ³	V0
Molybdenum	0.000025	0.000036	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000070	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	0.000012	µg/m ³	V0
Barium	0.000054	0.001652	µg/m ³	V0
Lanthanum	0.000004	0.000104	µg/m ³	V0
Cerium	0.000013	0.000223	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000100	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000199	µg/m ³	V0
Tungsten	0.000005	0.000034	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000208	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000034	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220502106
Start Date:	2022-05-03 15:45	End Date:	2022-05-03 15:46	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.250	µg/m ³	V0
Lithium	0.000016	0.000027	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001604	µg/m ³	V0
Aluminum	0.002800	0.013489	µg/m ³	V0
Silicon	0.010200	0.062061	µg/m ³	V0
Phosphorus	0.003480	0.021990	µg/m ³	V0
Potassium	0.000402	0.007558	µg/m ³	V0
Calcium	0.013042	0.028868	µg/m ³	V0
Titanium	0.000031	0.000852	µg/m ³	V0
Vanadium	0.000018	0.000072	µg/m ³	V0
Chromium	0.000045	0.000931	µg/m ³	V0
Manganese	0.000028	0.000240	µg/m ³	V0
Iron	0.001585	0.012113	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000290	µg/m ³	V0
Copper	0.000027	0.000035	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000007	µg/m ³	V0
Strontium	0.000012	0.000136	µg/m ³	V0
Niobium	0.000006	0.000047	µg/m ³	V0
Molybdenum	0.000025	0.000071	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000283	µg/m ³	V0
Tungsten	0.000005	0.000045	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502062
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.8	°C	
Pressure		708.4	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Lithium	0.000016	0.000114	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017335	µg/m ³	V0
Magnesium	0.000279	0.047457	µg/m ³	V0
Aluminum	0.002800	0.084994	µg/m ³	V0
Silicon	0.010200	0.379729	µg/m ³	V0
Phosphorus	0.003480	0.033277	µg/m ³	V0
Potassium	0.000402	0.039805	µg/m ³	V0
Calcium	0.013042	0.216919	µg/m ³	V0
Titanium	0.000031	0.004148	µg/m ³	V0
Vanadium	0.000018	0.000292	µg/m ³	V0
Chromium	0.000045	0.000845	µg/m ³	V0
Manganese	0.000028	0.002094	µg/m ³	V0
Iron	0.001585	0.075697	µg/m ³	V0
Cobalt	0.000005	0.000068	µg/m ³	V0
Nickel	0.000015	0.000392	µg/m ³	V0
Copper	0.000027	0.000133	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000077	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000157	µg/m ³	V0
Strontium	0.000012	0.000652	µg/m ³	V0
Niobium	0.000006	0.000073	µg/m ³	V0
Molybdenum	0.000025	0.000052	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000129	µg/m ³	V0
Antimony	0.000016	0.000065	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.001302	µg/m ³	V0
Lanthanum	0.000004	0.000069	µg/m ³	V0
Cerium	0.000013	0.000133	µg/m ³	V0
Praseodymium	0.000002	0.000017	µg/m ³	V0
Neodymium	0.000005	0.000060	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000355	µg/m ³	V0
Tungsten	0.000005	0.000068	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000202	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000019	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502068
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	19.667	µg/m ³	V0
Lithium	0.000016	0.000522	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.310072	µg/m ³	V0
Magnesium	0.000279	0.248150	µg/m ³	V0
Aluminum	0.002800	0.462319	µg/m ³	V0
Silicon	0.010200	1.904306	µg/m ³	V0
Phosphorus	0.003480	0.043393	µg/m ³	V0
Potassium	0.000402	0.186229	µg/m ³	V0
Calcium	0.013042	1.169941	µg/m ³	V0
Titanium	0.000031	0.021692	µg/m ³	V0
Vanadium	0.000018	0.001792	µg/m ³	V0
Chromium	0.000045	0.001538	µg/m ³	V0
Manganese	0.000028	0.016224	µg/m ³	V0
Iron	0.001585	1.003398	µg/m ³	V0
Cobalt	0.000005	0.000907	µg/m ³	V0
Nickel	0.000015	0.001014	µg/m ³	V0
Copper	0.000027	0.002642	µg/m ³	V0
Zinc	0.000149	0.006703	µg/m ³	V0
Arsenic	0.000005	0.000181	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000828	µg/m ³	V0
Strontium	0.000012	0.003324	µg/m ³	V0
Niobium	0.000006	0.000129	µg/m ³	V0
Molybdenum	0.000025	0.000148	µg/m ³	V0
Palladium	0.000050	0.000098	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000404	µg/m ³	V0
Antimony	0.000016	0.000367	µg/m ³	V0
Cesium	0.000004	0.000040	µg/m ³	V0
Barium	0.000054	0.010388	µg/m ³	V0
Lanthanum	0.000004	0.000384	µg/m ³	V0
Cerium	0.000013	0.000822	µg/m ³	V0
Praseodymium	0.000002	0.000096	µg/m ³	V0
Neodymium	0.000005	0.000368	µg/m ³	V0
Samarium	0.000006	0.000070	µg/m ³	V0
Tantalum	0.000003	0.000378	µg/m ³	V0
Tungsten	0.000005	0.002469	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000483	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000114	µg/m ³	V0
Uranium	0.000003	0.000025	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502078
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.4	°C	
Pressure		719.5	mmHg	
Particulate Matter	0.042	12.167	µg/m ³	V0
Lithium	0.000016	0.000349	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.143406	µg/m ³	V0
Magnesium	0.000279	0.158210	µg/m ³	V0
Aluminum	0.002800	0.298754	µg/m ³	V0
Silicon	0.010200	1.280423	µg/m ³	V0
Phosphorus	0.003480	0.041400	µg/m ³	V0
Potassium	0.000402	0.125996	µg/m ³	V0
Calcium	0.013042	0.712727	µg/m ³	V0
Titanium	0.000031	0.014954	µg/m ³	V0
Vanadium	0.000018	0.001241	µg/m ³	V0
Chromium	0.000045	0.001423	µg/m ³	V0
Manganese	0.000028	0.008288	µg/m ³	V0
Iron	0.001585	0.488787	µg/m ³	V0
Cobalt	0.000005	0.000426	µg/m ³	V0
Nickel	0.000015	0.000547	µg/m ³	V0
Copper	0.000027	0.001617	µg/m ³	V0
Zinc	0.000149	0.005771	µg/m ³	V0
Arsenic	0.000005	0.000144	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000544	µg/m ³	V0
Strontium	0.000012	0.002131	µg/m ³	V0
Niobium	0.000006	0.000111	µg/m ³	V0
Molybdenum	0.000025	0.000162	µg/m ³	V0
Palladium	0.000050	0.000076	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000436	µg/m ³	V0
Antimony	0.000016	0.000497	µg/m ³	V0
Cesium	0.000004	0.000026	µg/m ³	V0
Barium	0.000054	0.007746	µg/m ³	V0
Lanthanum	0.000004	0.000247	µg/m ³	V0
Cerium	0.000013	0.000523	µg/m ³	V0
Praseodymium	0.000002	0.000062	µg/m ³	V0
Neodymium	0.000005	0.000230	µg/m ³	V0
Samarium	0.000006	0.000040	µg/m ³	V0
Tantalum	0.000003	0.000365	µg/m ³	V0
Tungsten	0.000005	0.000899	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000459	µg/m ³	V0
Bismuth	0.000004	0.000022	µg/m ³	V0
Thorium	0.000002	0.000068	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	
Location:	Fort Hills	Samp Use:	Exposure
Start Date:	2022-05-05 00:00	Loc ID:	FTHL
		End Date:	2022-05-06 00:00
		Set Index:	1
		WBEA ID:	220502091
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.8	°C	
Pressure		726.3	mmHg	
Particulate Matter	0.042	54.042	µg/m ³	V0
Lithium	0.000016	0.003914	µg/m ³	V0
Beryllium	0.000013	0.000112	µg/m ³	V0
Sodium	0.000777	0.208852	µg/m ³	V0
Magnesium	0.000279	0.475628	µg/m ³	V0
Aluminum	0.002800	2.779995	µg/m ³	V0
Silicon	0.010200	3.525285	µg/m ³	V0
Phosphorus	0.003480	0.056166	µg/m ³	V0
Potassium	0.000402	0.701273	µg/m ³	V0
Calcium	0.013042	2.222316	µg/m ³	V0
Titanium	0.000031	0.115957	µg/m ³	V0
Vanadium	0.000018	0.016297	µg/m ³	V0
Chromium	0.000045	0.005499	µg/m ³	V0
Manganese	0.000028	0.045184	µg/m ³	V0
Iron	0.001585	2.615895	µg/m ³	V0
Cobalt	0.000005	0.001550	µg/m ³	V0
Nickel	0.000015	0.003094	µg/m ³	V0
Copper	0.000027	0.001876	µg/m ³	V0
Zinc	0.000149	0.011014	µg/m ³	V0
Arsenic	0.000005	0.000581	µg/m ³	V0
Selenium	0.000133	0.000139	µg/m ³	V0
Rubidium	0.000003	0.004567	µg/m ³	V0
Strontium	0.000012	0.010997	µg/m ³	V0
Niobium	0.000006	0.000459	µg/m ³	V0
Molybdenum	0.000025	0.001178	µg/m ³	V0
Palladium	0.000050	0.000236	µg/m ³	V0
Silver	0.000006	0.000024	µg/m ³	V0
Cadmium	0.000011	0.000022	µg/m ³	V0
Tin	0.000008	0.000331	µg/m ³	V0
Antimony	0.000016	0.000180	µg/m ³	V0
Cesium	0.000004	0.000263	µg/m ³	V0
Barium	0.000054	0.027792	µg/m ³	V0
Lanthanum	0.000004	0.001890	µg/m ³	V0
Cerium	0.000013	0.004131	µg/m ³	V0
Praseodymium	0.000002	0.000495	µg/m ³	V0
Neodymium	0.000005	0.001913	µg/m ³	V0
Samarium	0.000006	0.000359	µg/m ³	V0
Tantalum	0.000003	0.000284	µg/m ³	V0
Tungsten	0.000005	0.000363	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000051	µg/m ³	V0
Lead	0.000018	0.001373	µg/m ³	V0
Bismuth	0.000004	0.000032	µg/m ³	V0
Thorium	0.000002	0.000606	µg/m ³	V0
Uranium	0.000003	0.000142	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502095
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		725.3	mmHg	
Particulate Matter	0.042	32.958	µg/m ³	V0
Lithium	0.000016	0.002249	µg/m ³	V0
Beryllium	0.000013	0.000066	µg/m ³	V0
Sodium	0.000777	0.193879	µg/m ³	V0
Magnesium	0.000279	0.287922	µg/m ³	V0
Aluminum	0.002800	1.608086	µg/m ³	V0
Silicon	0.010200	1.737612	µg/m ³	V0
Phosphorus	0.003480	0.038272	µg/m ³	V0
Potassium	0.000402	0.443232	µg/m ³	V0
Calcium	0.013042	1.761914	µg/m ³	V0
Titanium	0.000031	0.072647	µg/m ³	V0
Vanadium	0.000018	0.010090	µg/m ³	V0
Chromium	0.000045	0.003159	µg/m ³	V0
Manganese	0.000028	0.023617	µg/m ³	V0
Iron	0.001585	1.347309	µg/m ³	V0
Cobalt	0.000005	0.000935	µg/m ³	V0
Nickel	0.000015	0.002079	µg/m ³	V0
Copper	0.000027	0.001628	µg/m ³	V0
Zinc	0.000149	0.005992	µg/m ³	V0
Arsenic	0.000005	0.000354	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002806	µg/m ³	V0
Strontium	0.000012	0.006784	µg/m ³	V0
Niobium	0.000006	0.000251	µg/m ³	V0
Molybdenum	0.000025	0.000739	µg/m ³	V0
Palladium	0.000050	0.000103	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000244	µg/m ³	V0
Antimony	0.000016	0.000151	µg/m ³	V0
Cesium	0.000004	0.000158	µg/m ³	V0
Barium	0.000054	0.015783	µg/m ³	V0
Lanthanum	0.000004	0.001000	µg/m ³	V0
Cerium	0.000013	0.002188	µg/m ³	V0
Praseodymium	0.000002	0.000260	µg/m ³	V0
Neodymium	0.000005	0.001049	µg/m ³	V0
Samarium	0.000006	0.000194	µg/m ³	V0
Tantalum	0.000003	0.000171	µg/m ³	V0
Tungsten	0.000005	0.000339	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000023	µg/m ³	V0
Lead	0.000018	0.000800	µg/m ³	V0
Bismuth	0.000004	0.000027	µg/m ³	V0
Thorium	0.000002	0.000322	µg/m ³	V0
Uranium	0.000003	0.000074	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220502098
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.1	°C	
Pressure		728.5	mmHg	
Particulate Matter	0.042	20.167	µg/m ³	V0
Lithium	0.000016	0.001031	µg/m ³	V0
Beryllium	0.000013	0.000033	µg/m ³	V0
Sodium	0.000777	0.107982	µg/m ³	V0
Magnesium	0.000279	0.157003	µg/m ³	V0
Aluminum	0.002800	0.705769	µg/m ³	V0
Silicon	0.010200	1.516203	µg/m ³	V0
Phosphorus	0.003480	0.043931	µg/m ³	V0
Potassium	0.000402	0.232912	µg/m ³	V0
Calcium	0.013042	1.559922	µg/m ³	V0
Titanium	0.000031	0.033461	µg/m ³	V0
Vanadium	0.000018	0.007631	µg/m ³	V0
Chromium	0.000045	0.001842	µg/m ³	V0
Manganese	0.000028	0.013464	µg/m ³	V0
Iron	0.001585	0.663519	µg/m ³	V0
Cobalt	0.000005	0.000474	µg/m ³	V0
Nickel	0.000015	0.001589	µg/m ³	V0
Copper	0.000027	0.001174	µg/m ³	V0
Zinc	0.000149	0.004541	µg/m ³	V0
Arsenic	0.000005	0.000449	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001298	µg/m ³	V0
Strontium	0.000012	0.004126	µg/m ³	V0
Niobium	0.000006	0.000149	µg/m ³	V0
Molybdenum	0.000025	0.000665	µg/m ³	V0
Palladium	0.000050	0.000217	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000182	µg/m ³	V0
Antimony	0.000016	0.000195	µg/m ³	V0
Cesium	0.000004	0.000089	µg/m ³	V0
Barium	0.000054	0.008104	µg/m ³	V0
Lanthanum	0.000004	0.000479	µg/m ³	V0
Cerium	0.000013	0.001025	µg/m ³	V0
Praseodymium	0.000002	0.000127	µg/m ³	V0
Neodymium	0.000005	0.000465	µg/m ³	V0
Samarium	0.000006	0.000092	µg/m ³	V0
Tantalum	0.000003	0.000622	µg/m ³	V0
Tungsten	0.000005	0.000319	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000111	µg/m ³	V0
Lead	0.000018	0.000529	µg/m ³	V0
Bismuth	0.000004	0.000081	µg/m ³	V0
Thorium	0.000002	0.000266	µg/m ³	V0
Uranium	0.000003	0.000046	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502110
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.5	°C	
Pressure		727.7	mmHg	
Particulate Matter	0.042	39.958	µg/m ³	V0
Lithium	0.000016	0.002370	µg/m ³	V0
Beryllium	0.000013	0.000062	µg/m ³	V0
Sodium	0.000777	0.158540	µg/m ³	V0
Magnesium	0.000279	0.300357	µg/m ³	V0
Aluminum	0.002800	1.695667	µg/m ³	V0
Silicon	0.010200	2.200899	µg/m ³	V0
Phosphorus	0.003480	0.039008	µg/m ³	V0
Potassium	0.000402	0.462707	µg/m ³	V0
Calcium	0.013042	3.080369	µg/m ³	V0
Titanium	0.000031	0.091966	µg/m ³	V0
Vanadium	0.000018	0.013432	µg/m ³	V0
Chromium	0.000045	0.002865	µg/m ³	V0
Manganese	0.000028	0.027138	µg/m ³	V0
Iron	0.001585	1.331118	µg/m ³	V0
Cobalt	0.000005	0.001011	µg/m ³	V0
Nickel	0.000015	0.002396	µg/m ³	V0
Copper	0.000027	0.001630	µg/m ³	V0
Zinc	0.000149	0.005341	µg/m ³	V0
Arsenic	0.000005	0.000359	µg/m ³	V0
Selenium	0.000133	0.000166	µg/m ³	V0
Rubidium	0.000003	0.002972	µg/m ³	V0
Strontium	0.000012	0.008708	µg/m ³	V0
Niobium	0.000006	0.000300	µg/m ³	V0
Molybdenum	0.000025	0.000925	µg/m ³	V0
Palladium	0.000050	0.000126	µg/m ³	V0
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000325	µg/m ³	V0
Antimony	0.000016	0.000166	µg/m ³	V0
Cesium	0.000004	0.000175	µg/m ³	V0
Barium	0.000054	0.017144	µg/m ³	V0
Lanthanum	0.000004	0.001231	µg/m ³	V0
Cerium	0.000013	0.002712	µg/m ³	V0
Praseodymium	0.000002	0.000317	µg/m ³	V0
Neodymium	0.000005	0.001209	µg/m ³	V0
Samarium	0.000006	0.000229	µg/m ³	V0
Tantalum	0.000003	0.000192	µg/m ³	V0
Tungsten	0.000005	0.000258	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000025	µg/m ³	V0
Lead	0.000018	0.000933	µg/m ³	V0
Bismuth	0.000004	0.000041	µg/m ³	V0
Thorium	0.000002	0.000368	µg/m ³	V0
Uranium	0.000003	0.000088	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	
Location:	Conklin	Samp Use: Exposure	Set Index: 1
Start Date:	2022-05-05 00:00	Loc ID: CONK	WBEA ID: 220502137
		End Date: 2022-05-06 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.5	°C	
Pressure		701.5	mmHg	
Particulate Matter	0.042	10.875	µg/m ³	V0
Lithium	0.000016	0.000349	µg/m ³	V0
Beryllium	0.000013	0.000025	µg/m ³	V0
Sodium	0.000777	0.097858	µg/m ³	V0
Magnesium	0.000279	0.146704	µg/m ³	V0
Aluminum	0.002800	0.292705	µg/m ³	V0
Silicon	0.010200	0.894116	µg/m ³	V0
Phosphorus	0.003480	0.041765	µg/m ³	V0
Potassium	0.000402	0.124945	µg/m ³	V0
Calcium	0.013042	0.476804	µg/m ³	V0
Titanium	0.000031	0.013213	µg/m ³	V0
Vanadium	0.000018	0.001251	µg/m ³	V0
Chromium	0.000045	0.002185	µg/m ³	V0
Manganese	0.000028	0.010721	µg/m ³	V0
Iron	0.001585	0.517240	µg/m ³	V0
Cobalt	0.000005	0.000241	µg/m ³	V0
Nickel	0.000015	0.000712	µg/m ³	V0
Copper	0.000027	0.000836	µg/m ³	V0
Zinc	0.000149	0.004261	µg/m ³	V0
Arsenic	0.000005	0.000379	µg/m ³	V0
Selenium	0.000133	0.000278	µg/m ³	V0
Rubidium	0.000003	0.000594	µg/m ³	V0
Strontium	0.000012	0.001771	µg/m ³	V0
Niobium	0.000006	0.000113	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	0.000225	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000202	µg/m ³	V0
Antimony	0.000016	0.000137	µg/m ³	V0
Cesium	0.000004	0.000038	µg/m ³	V0
Barium	0.000054	0.006929	µg/m ³	V0
Lanthanum	0.000004	0.000265	µg/m ³	V0
Cerium	0.000013	0.000556	µg/m ³	V0
Praseodymium	0.000002	0.000069	µg/m ³	V0
Neodymium	0.000005	0.000248	µg/m ³	V0
Samarium	0.000006	0.000049	µg/m ³	V0
Tantalum	0.000003	0.000680	µg/m ³	V0
Tungsten	0.000005	0.000405	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000104	µg/m ³	V0
Lead	0.000018	0.000340	µg/m ³	V0
Bismuth	0.000004	0.000061	µg/m ³	V0
Thorium	0.000002	0.000115	µg/m ³	V0
Uranium	0.000003	0.000022	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502141
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		709.5	mmHg	
Particulate Matter	0.042	4.792	µg/m ³	V0
Lithium	0.000016	0.000101	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027635	µg/m ³	V0
Magnesium	0.000279	0.048998	µg/m ³	V0
Aluminum	0.002800	0.091108	µg/m ³	V0
Silicon	0.010200	0.468775	µg/m ³	V0
Phosphorus	0.003480	0.033049	µg/m ³	V0
Potassium	0.000402	0.046284	µg/m ³	V0
Calcium	0.013042	0.112468	µg/m ³	V0
Titanium	0.000031	0.004558	µg/m ³	V0
Vanadium	0.000018	0.000385	µg/m ³	V0
Chromium	0.000045	0.000842	µg/m ³	V0
Manganese	0.000028	0.001944	µg/m ³	V0
Iron	0.001585	0.084217	µg/m ³	V0
Cobalt	0.000005	0.000077	µg/m ³	V0
Nickel	0.000015	0.000322	µg/m ³	V0
Copper	0.000027	0.000222	µg/m ³	V0
Zinc	0.000149	0.000494	µg/m ³	V0
Arsenic	0.000005	0.000098	µg/m ³	V0
Selenium	0.000133	0.000168	µg/m ³	V0
Rubidium	0.000003	0.000192	µg/m ³	V0
Strontium	0.000012	0.000483	µg/m ³	V0
Niobium	0.000006	0.000069	µg/m ³	V0
Molybdenum	0.000025	0.000095	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000138	µg/m ³	V0
Antimony	0.000016	0.000198	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.001527	µg/m ³	V0
Lanthanum	0.000004	0.000077	µg/m ³	V0
Cerium	0.000013	0.000156	µg/m ³	V0
Praseodymium	0.000002	0.000018	µg/m ³	V0
Neodymium	0.000005	0.000064	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000329	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000331	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000022	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Metal** Samp Use: **Field Procedure Blank** Set Index: **1**
Location: **Patricia McInnes** Loc ID: **PATM** WBEA ID: **220502149**
Start Date: **2022-05-06 10:00** End Date: **2022-05-06 10:01** Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-0.333	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001675	µg/m ³	V0
Aluminum	0.002800	0.005402	µg/m ³	V0
Silicon	0.010200	0.012324	µg/m ³	V0
Phosphorus	0.003480	0.019983	µg/m ³	V0
Potassium	0.000402	0.005316	µg/m ³	V0
Calcium	0.013042	0.017002	µg/m ³	V0
Titanium	0.000031	0.000461	µg/m ³	V0
Vanadium	0.000018	0.000035	µg/m ³	V0
Chromium	0.000045	0.001377	µg/m ³	V0
Manganese	0.000028	0.000136	µg/m ³	V0
Iron	0.001585	0.012699	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000156	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000008	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000020	µg/m ³	V0
Niobium	0.000006	0.000035	µg/m ³	V0
Molybdenum	0.000025	0.000066	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000205	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000223	µg/m ³	V0
Tungsten	0.000005	0.000038	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 220502151
Start Date:	2022-05-11 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-05-12 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.3	°C	
Pressure		728.7	mmHg	
Particulate Matter	0.042	18.917	µg/m ³	V0
Lithium	0.000016	0.000708	µg/m ³	V0
Beryllium	0.000013	0.000026	µg/m ³	V0
Sodium	0.000777	0.103898	µg/m ³	V0
Magnesium	0.000279	0.199452	µg/m ³	V0
Aluminum	0.002800	0.595534	µg/m ³	V0
Silicon	0.010200	1.905204	µg/m ³	V0
Phosphorus	0.003480	0.035675	µg/m ³	V0
Potassium	0.000402	0.199782	µg/m ³	V0
Calcium	0.013042	0.853222	µg/m ³	V0
Titanium	0.000031	0.030121	µg/m ³	V0
Vanadium	0.000018	0.002604	µg/m ³	V0
Chromium	0.000045	0.001627	µg/m ³	V0
Manganese	0.000028	0.013062	µg/m ³	V0
Iron	0.001585	0.717790	µg/m ³	V0
Cobalt	0.000005	0.000585	µg/m ³	V0
Nickel	0.000015	0.000887	µg/m ³	V0
Copper	0.000027	0.002027	µg/m ³	V0
Zinc	0.000149	0.007680	µg/m ³	V0
Arsenic	0.000005	0.000957	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001041	µg/m ³	V0
Strontium	0.000012	0.003088	µg/m ³	V0
Niobium	0.000006	0.000135	µg/m ³	V0
Molybdenum	0.000025	0.000205	µg/m ³	V0
Palladium	0.000050	0.000122	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000485	µg/m ³	V0
Antimony	0.000016	0.000457	µg/m ³	V0
Cesium	0.000004	0.000063	µg/m ³	V0
Barium	0.000054	0.010404	µg/m ³	V0
Lanthanum	0.000004	0.000451	µg/m ³	V0
Cerium	0.000013	0.000984	µg/m ³	V0
Praseodymium	0.000002	0.000119	µg/m ³	V0
Neodymium	0.000005	0.000457	µg/m ³	V0
Samarium	0.000006	0.000085	µg/m ³	V0
Tantalum	0.000003	0.000348	µg/m ³	V0
Tungsten	0.000005	0.000769	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000028	µg/m ³	V0
Lead	0.000018	0.000559	µg/m ³	V0
Bismuth	0.000004	0.000043	µg/m ³	V0
Thorium	0.000002	0.000133	µg/m ³	V0
Uranium	0.000003	0.000035	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: **PM10 Metal**
Location: **Ells River**
Start Date: **2022-05-11 00:00**

Deployment Information

Samp Use: **Exposure**
Loc ID: **ELSR**
End Date: **2022-05-12 00:00**

Set Index: **1**
WBEA ID: **220502160**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		734.8	mmHg	
Particulate Matter	0.042	24.208	µg/m ³	V0
Lithium	0.000016	0.002119	µg/m ³	V0
Beryllium	0.000013	0.000056	µg/m ³	V0
Sodium	0.000777	0.086260	µg/m ³	V0
Magnesium	0.000279	0.169667	µg/m ³	V0
Aluminum	0.002800	1.358382	µg/m ³	V0
Silicon	0.010200	2.332592	µg/m ³	V0
Phosphorus	0.003480	0.036637	µg/m ³	V0
Potassium	0.000402	0.337436	µg/m ³	V0
Calcium	0.013042	0.577239	µg/m ³	V0
Titanium	0.000031	0.057067	µg/m ³	V0
Vanadium	0.000018	0.004304	µg/m ³	V0
Chromium	0.000045	0.001676	µg/m ³	V0
Manganese	0.000028	0.016963	µg/m ³	V0
Iron	0.001585	0.779563	µg/m ³	V0
Cobalt	0.000005	0.000728	µg/m ³	V0
Nickel	0.000015	0.000982	µg/m ³	V0
Copper	0.000027	0.000601	µg/m ³	V0
Zinc	0.000149	0.002390	µg/m ³	V0
Arsenic	0.000005	0.000192	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002159	µg/m ³	V0
Strontium	0.000012	0.003833	µg/m ³	V0
Niobium	0.000006	0.000220	µg/m ³	V0
Molybdenum	0.000025	0.000230	µg/m ³	V0
Palladium	0.000050	0.000107	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000156	µg/m ³	V0
Antimony	0.000016	0.000037	µg/m ³	V0
Cesium	0.000004	0.000127	µg/m ³	V0
Barium	0.000054	0.010650	µg/m ³	V0
Lanthanum	0.000004	0.000762	µg/m ³	V0
Cerium	0.000013	0.001751	µg/m ³	V0
Praseodymium	0.000002	0.000205	µg/m ³	V0
Neodymium	0.000005	0.000804	µg/m ³	V0
Samarium	0.000006	0.000157	µg/m ³	V0
Tantalum	0.000003	0.000236	µg/m ³	V0
Tungsten	0.000005	0.000092	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000581	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000257	µg/m ³	V0
Uranium	0.000003	0.000064	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	
Location:	Fort McKay South	Samp Use:	Exposure
Start Date:	2022-05-11 00:00	Loc ID:	FMCS
		End Date:	2022-05-12 00:00
		Set Index:	1
		WBEA ID:	220502163
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.0	°C	
Pressure		738.0	mmHg	
Particulate Matter	0.042	16.167	µg/m ³	V0
Lithium	0.000016	0.000999	µg/m ³	V0
Beryllium	0.000013	0.000027	µg/m ³	V0
Sodium	0.000777	0.054582	µg/m ³	V0
Magnesium	0.000279	0.126104	µg/m ³	V0
Aluminum	0.002800	0.581615	µg/m ³	V0
Silicon	0.010200	1.735051	µg/m ³	V0
Phosphorus	0.003480	0.033721	µg/m ³	V0
Potassium	0.000402	0.170083	µg/m ³	V0
Calcium	0.013042	1.096766	µg/m ³	V0
Titanium	0.000031	0.024622	µg/m ³	V0
Vanadium	0.000018	0.001956	µg/m ³	V0
Chromium	0.000045	0.001411	µg/m ³	V0
Manganese	0.000028	0.008426	µg/m ³	V0
Iron	0.001585	0.470657	µg/m ³	V0
Cobalt	0.000005	0.000341	µg/m ³	V0
Nickel	0.000015	0.000791	µg/m ³	V0
Copper	0.000027	0.000495	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000982	µg/m ³	V0
Strontium	0.000012	0.002858	µg/m ³	V0
Niobium	0.000006	0.000113	µg/m ³	V0
Molybdenum	0.000025	0.000129	µg/m ³	V0
Palladium	0.000050	0.000069	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000127	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	0.000059	µg/m ³	V0
Barium	0.000054	0.005246	µg/m ³	V0
Lanthanum	0.000004	0.000354	µg/m ³	V0
Cerium	0.000013	0.000788	µg/m ³	V0
Praseodymium	0.000002	0.000094	µg/m ³	V0
Neodymium	0.000005	0.000367	µg/m ³	V0
Samarium	0.000006	0.000066	µg/m ³	V0
Tantalum	0.000003	0.000286	µg/m ³	V0
Tungsten	0.000005	0.000134	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000303	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000117	µg/m ³	V0
Uranium	0.000003	0.000029	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502179
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.8	°C	
Pressure		737.2	mmHg	
Particulate Matter	0.042	12.083	µg/m ³	V0
Lithium	0.000016	0.000868	µg/m ³	V0
Beryllium	0.000013	0.000027	µg/m ³	V0
Sodium	0.000777	0.052910	µg/m ³	V0
Magnesium	0.000279	0.103899	µg/m ³	V0
Aluminum	0.002800	0.518093	µg/m ³	V0
Silicon	0.010200	1.283840	µg/m ³	V0
Phosphorus	0.003480	0.035642	µg/m ³	V0
Potassium	0.000402	0.182803	µg/m ³	V0
Calcium	0.013042	0.881110	µg/m ³	V0
Titanium	0.000031	0.024036	µg/m ³	V0
Vanadium	0.000018	0.001631	µg/m ³	V0
Chromium	0.000045	0.001555	µg/m ³	V0
Manganese	0.000028	0.009166	µg/m ³	V0
Iron	0.001585	0.474341	µg/m ³	V0
Cobalt	0.000005	0.000291	µg/m ³	V0
Nickel	0.000015	0.000735	µg/m ³	V0
Copper	0.000027	0.000388	µg/m ³	V0
Zinc	0.000149	0.000768	µg/m ³	V0
Arsenic	0.000005	0.000096	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000841	µg/m ³	V0
Strontium	0.000012	0.002471	µg/m ³	V0
Niobium	0.000006	0.000120	µg/m ³	V0
Molybdenum	0.000025	0.000151	µg/m ³	V0
Palladium	0.000050	0.000063	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000156	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	0.000050	µg/m ³	V0
Barium	0.000054	0.004398	µg/m ³	V0
Lanthanum	0.000004	0.000354	µg/m ³	V0
Cerium	0.000013	0.000772	µg/m ³	V0
Praseodymium	0.000002	0.000089	µg/m ³	V0
Neodymium	0.000005	0.000342	µg/m ³	V0
Samarium	0.000006	0.000066	µg/m ³	V0
Tantalum	0.000003	0.000314	µg/m ³	V0
Tungsten	0.000005	0.000121	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000285	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000110	µg/m ³	V0
Uranium	0.000003	0.000028	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Hills	Samp Use: Exposure	WBEA ID: 220502184
Start Date:	2022-05-11 00:00	Loc ID: FTHL	Duration: 24.0 hr
		End Date: 2022-05-12 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.9	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	19.542	µg/m ³	V0
Lithium	0.000016	0.000959	µg/m ³	V0
Beryllium	0.000013	0.000036	µg/m ³	V0
Sodium	0.000777	0.083461	µg/m ³	V0
Magnesium	0.000279	0.147669	µg/m ³	V0
Aluminum	0.002800	0.705013	µg/m ³	V0
Silicon	0.010200	1.788903	µg/m ³	V0
Phosphorus	0.003480	0.027248	µg/m ³	V0
Potassium	0.000402	0.202845	µg/m ³	V0
Calcium	0.013042	0.465039	µg/m ³	V0
Titanium	0.000031	0.030940	µg/m ³	V0
Vanadium	0.000018	0.002896	µg/m ³	V0
Chromium	0.000045	0.001432	µg/m ³	V0
Manganese	0.000028	0.013786	µg/m ³	V0
Iron	0.001585	0.902341	µg/m ³	V0
Cobalt	0.000005	0.000441	µg/m ³	V0
Nickel	0.000015	0.000951	µg/m ³	V0
Copper	0.000027	0.000653	µg/m ³	V0
Zinc	0.000149	0.001080	µg/m ³	V0
Arsenic	0.000005	0.000165	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001191	µg/m ³	V0
Strontium	0.000012	0.002685	µg/m ³	V0
Niobium	0.000006	0.000133	µg/m ³	V0
Molybdenum	0.000025	0.000202	µg/m ³	V0
Palladium	0.000050	0.000067	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000203	µg/m ³	V0
Antimony	0.000016	0.000043	µg/m ³	V0
Cesium	0.000004	0.000068	µg/m ³	V0
Barium	0.000054	0.008323	µg/m ³	V0
Lanthanum	0.000004	0.000492	µg/m ³	V0
Cerium	0.000013	0.001073	µg/m ³	V0
Praseodymium	0.000002	0.000127	µg/m ³	V0
Neodymium	0.000005	0.000494	µg/m ³	V0
Samarium	0.000006	0.000096	µg/m ³	V0
Tantalum	0.000003	0.000242	µg/m ³	V0
Tungsten	0.000005	0.000112	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000360	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000153	µg/m ³	V0
Uranium	0.000003	0.000039	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502189
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.0	°C	
Pressure		738.6	mmHg	
Particulate Matter	0.042	11.750	µg/m ³	V0
Lithium	0.000016	0.000341	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.072527	µg/m ³	V0
Magnesium	0.000279	0.136639	µg/m ³	V0
Aluminum	0.002800	0.293254	µg/m ³	V0
Silicon	0.010200	0.607414	µg/m ³	V0
Phosphorus	0.003480	0.034821	µg/m ³	V0
Potassium	0.000402	0.113077	µg/m ³	V0
Calcium	0.013042	0.647825	µg/m ³	V0
Titanium	0.000031	0.015745	µg/m ³	V0
Vanadium	0.000018	0.001352	µg/m ³	V0
Chromium	0.000045	0.001936	µg/m ³	V0
Manganese	0.000028	0.009109	µg/m ³	V0
Iron	0.001585	0.526885	µg/m ³	V0
Cobalt	0.000005	0.000472	µg/m ³	V0
Nickel	0.000015	0.000612	µg/m ³	V0
Copper	0.000027	0.001840	µg/m ³	V0
Zinc	0.000149	0.009275	µg/m ³	V0
Arsenic	0.000005	0.000123	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000538	µg/m ³	V0
Strontium	0.000012	0.001977	µg/m ³	V0
Niobium	0.000006	0.000080	µg/m ³	V0
Molybdenum	0.000025	0.000222	µg/m ³	V0
Palladium	0.000050	0.000062	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000413	µg/m ³	V0
Antimony	0.000016	0.000431	µg/m ³	V0
Cesium	0.000004	0.000026	µg/m ³	V0
Barium	0.000054	0.008559	µg/m ³	V0
Lanthanum	0.000004	0.000243	µg/m ³	V0
Cerium	0.000013	0.000520	µg/m ³	V0
Praseodymium	0.000002	0.000060	µg/m ³	V0
Neodymium	0.000005	0.000236	µg/m ³	V0
Samarium	0.000006	0.000043	µg/m ³	V0
Tantalum	0.000003	0.000204	µg/m ³	V0
Tungsten	0.000005	0.000947	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000334	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000068	µg/m ³	V0
Uranium	0.000003	0.000016	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220502203
Start Date:	2022-05-11 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-05-12 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.6	m ³	V6
Temperature		5.8	°C	
Pressure		740.9	mmHg	
Particulate Matter	0.042	2.630	µg/m ³	V0
Lithium	0.000016	0.000200	µg/m ³	V0
Beryllium	0.000013	0.000046	µg/m ³	V0
Sodium	0.000777	0.059583	µg/m ³	V0
Magnesium	0.000279	0.031602	µg/m ³	V0
Aluminum	0.002800	0.077289	µg/m ³	V0
Silicon	0.010200	0.227022	µg/m ³	V0
Phosphorus	0.003480	0.025205	µg/m ³	V0
Potassium	0.000402	0.038079	µg/m ³	V0
Calcium	0.013042	0.042583	µg/m ³	V0
Titanium	0.000031	0.003969	µg/m ³	V0
Vanadium	0.000018	0.000296	µg/m ³	V0
Chromium	0.000045	0.001058	µg/m ³	V0
Manganese	0.000028	0.001096	µg/m ³	V0
Iron	0.001585	0.050717	µg/m ³	V0
Cobalt	0.000005	0.000078	µg/m ³	V0
Nickel	0.000015	0.000551	µg/m ³	V0
Copper	0.000027	0.000322	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000454	µg/m ³	V0
Selenium	0.000133	0.000225	µg/m ³	V0
Rubidium	0.000003	0.000173	µg/m ³	V0
Strontium	0.000012	0.000381	µg/m ³	V0
Niobium	0.000006	0.000087	µg/m ³	V0
Molybdenum	0.000025	0.000042	µg/m ³	V0
Palladium	0.000050	0.000371	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000142	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	0.000038	µg/m ³	V0
Barium	0.000054	0.001057	µg/m ³	V0
Lanthanum	0.000004	0.000082	µg/m ³	V0
Cerium	0.000013	0.000149	µg/m ³	V0
Praseodymium	0.000002	0.000029	µg/m ³	V0
Neodymium	0.000005	0.000069	µg/m ³	V0
Samarium	0.000006	0.000023	µg/m ³	V0
Tantalum	0.000003	0.000683	µg/m ³	V0
Tungsten	0.000005	0.000176	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000222	µg/m ³	V0
Lead	0.000018	0.000150	µg/m ³	V0
Bismuth	0.000004	0.000120	µg/m ³	V0
Thorium	0.000002	0.000121	µg/m ³	V0
Uranium	0.000003	0.000048	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Conklin	Samp Use: Exposure	WBEA ID: 220502209
Start Date:	2022-05-11 00:00	Loc ID: CONK	Duration: 24.0 hr
		End Date: 2022-05-12 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.8	°C	
Pressure		710.7	mmHg	
Particulate Matter	0.042	20.833	µg/m ³	V0
Lithium	0.000016	0.000723	µg/m ³	V0
Beryllium	0.000013	0.000032	µg/m ³	V0
Sodium	0.000777	0.238541	µg/m ³	V0
Magnesium	0.000279	0.300002	µg/m ³	V0
Aluminum	0.002800	0.674485	µg/m ³	V0
Silicon	0.010200	2.126295	µg/m ³	V0
Phosphorus	0.003480	0.038375	µg/m ³	V0
Potassium	0.000402	0.241613	µg/m ³	V0
Calcium	0.013042	0.945320	µg/m ³	V0
Titanium	0.000031	0.034402	µg/m ³	V0
Vanadium	0.000018	0.003203	µg/m ³	V0
Chromium	0.000045	0.001822	µg/m ³	V0
Manganese	0.000028	0.021913	µg/m ³	V0
Iron	0.001585	1.177030	µg/m ³	V0
Cobalt	0.000005	0.000584	µg/m ³	V0
Nickel	0.000015	0.001200	µg/m ³	V0
Copper	0.000027	0.001068	µg/m ³	V0
Zinc	0.000149	0.001319	µg/m ³	V0
Arsenic	0.000005	0.000380	µg/m ³	V0
Selenium	0.000133	0.000185	µg/m ³	V0
Rubidium	0.000003	0.001322	µg/m ³	V0
Strontium	0.000012	0.003821	µg/m ³	V0
Niobium	0.000006	0.000208	µg/m ³	V0
Molybdenum	0.000025	0.000183	µg/m ³	V0
Palladium	0.000050	0.000133	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000199	µg/m ³	V0
Antimony	0.000016	0.000151	µg/m ³	V0
Cesium	0.000004	0.000065	µg/m ³	V0
Barium	0.000054	0.011563	µg/m ³	V0
Lanthanum	0.000004	0.000690	µg/m ³	V0
Cerium	0.000013	0.001455	µg/m ³	V0
Praseodymium	0.000002	0.000180	µg/m ³	V0
Neodymium	0.000005	0.000663	µg/m ³	V0
Samarium	0.000006	0.000122	µg/m ³	V0
Tantalum	0.000003	0.000778	µg/m ³	V0
Tungsten	0.000005	0.000788	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000097	µg/m ³	V0
Lead	0.000018	0.000546	µg/m ³	V0
Bismuth	0.000004	0.000047	µg/m ³	V0
Thorium	0.000002	0.000252	µg/m ³	V0
Uranium	0.000003	0.000045	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502215
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.0	°C	
Pressure		718.6	mmHg	
Particulate Matter	0.042	3.833	µg/m ³	V0
Lithium	0.000016	0.000101	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031341	µg/m ³	V0
Magnesium	0.000279	0.043925	µg/m ³	V0
Aluminum	0.002800	0.079006	µg/m ³	V0
Silicon	0.010200	0.358340	µg/m ³	V0
Phosphorus	0.003480	0.026051	µg/m ³	V0
Potassium	0.000402	0.038777	µg/m ³	V0
Calcium	0.013042	0.130835	µg/m ³	V0
Titanium	0.000031	0.004621	µg/m ³	V0
Vanadium	0.000018	0.000289	µg/m ³	V0
Chromium	0.000045	0.000967	µg/m ³	V0
Manganese	0.000028	0.002202	µg/m ³	V0
Iron	0.001585	0.103452	µg/m ³	V0
Cobalt	0.000005	0.000089	µg/m ³	V0
Nickel	0.000015	0.000577	µg/m ³	V0
Copper	0.000027	0.000292	µg/m ³	V0
Zinc	0.000149	0.000871	µg/m ³	V0
Arsenic	0.000005	0.000102	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000164	µg/m ³	V0
Strontium	0.000012	0.000516	µg/m ³	V0
Niobium	0.000006	0.000107	µg/m ³	V0
Molybdenum	0.000025	0.000090	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000158	µg/m ³	V0
Antimony	0.000016	0.000307	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001628	µg/m ³	V0
Lanthanum	0.000004	0.000073	µg/m ³	V0
Cerium	0.000013	0.000150	µg/m ³	V0
Praseodymium	0.000002	0.000018	µg/m ³	V0
Neodymium	0.000005	0.000069	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000402	µg/m ³	V0
Tungsten	0.000005	0.000121	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000226	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000023	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502219
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.8	°C	
Pressure		717.3	mmHg	
Particulate Matter	0.042	2.583	µg/m ³	V0
Lithium	0.000016	0.000078	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.025083	µg/m ³	V0
Magnesium	0.000279	0.026667	µg/m ³	V0
Aluminum	0.002800	0.067369	µg/m ³	V0
Silicon	0.010200	0.148290	µg/m ³	V0
Phosphorus	0.003480	0.029578	µg/m ³	V0
Potassium	0.000402	0.026746	µg/m ³	V0
Calcium	0.013042	0.090680	µg/m ³	V0
Titanium	0.000031	0.003019	µg/m ³	V0
Vanadium	0.000018	0.000170	µg/m ³	V0
Chromium	0.000045	0.000701	µg/m ³	V0
Manganese	0.000028	0.001371	µg/m ³	V0
Iron	0.001585	0.075710	µg/m ³	V0
Cobalt	0.000005	0.000080	µg/m ³	V0
Nickel	0.000015	0.000477	µg/m ³	V0
Copper	0.000027	0.000228	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000037	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000102	µg/m ³	V0
Strontium	0.000012	0.000356	µg/m ³	V0
Niobium	0.000006	0.000069	µg/m ³	V0
Molybdenum	0.000025	0.000044	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000111	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001130	µg/m ³	V0
Lanthanum	0.000004	0.000046	µg/m ³	V0
Cerium	0.000013	0.000101	µg/m ³	V0
Praseodymium	0.000002	0.000012	µg/m ³	V0
Neodymium	0.000005	0.000044	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000332	µg/m ³	V0
Tungsten	0.000005	0.000105	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000149	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502231
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	2.458	µg/m ³	V0
Lithium	0.000016	0.000069	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013520	µg/m ³	V0
Magnesium	0.000279	0.019382	µg/m ³	V0
Aluminum	0.002800	0.073044	µg/m ³	V0
Silicon	0.010200	0.326998	µg/m ³	V0
Phosphorus	0.003480	0.022734	µg/m ³	V0
Potassium	0.000402	0.026139	µg/m ³	V0
Calcium	0.013042	0.036846	µg/m ³	V0
Titanium	0.000031	0.004342	µg/m ³	V0
Vanadium	0.000018	0.000190	µg/m ³	V0
Chromium	0.000045	0.001115	µg/m ³	V0
Manganese	0.000028	0.000891	µg/m ³	V0
Iron	0.001585	0.045864	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000340	µg/m ³	V0
Copper	0.000027	0.000209	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000053	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000115	µg/m ³	V0
Strontium	0.000012	0.000368	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000093	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000144	µg/m ³	V0
Antimony	0.000016	0.000025	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000991	µg/m ³	V0
Lanthanum	0.000004	0.000068	µg/m ³	V0
Cerium	0.000013	0.000134	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000053	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000356	µg/m ³	V0
Tungsten	0.000005	0.000077	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000194	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000028	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220502241
Start Date:	2022-05-17 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-05-18 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.0	°C	
Pressure		734.7	mmHg	
Particulate Matter	0.042	8.292	µg/m ³	V0
Lithium	0.000016	0.000212	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031622	µg/m ³	V0
Magnesium	0.000279	0.049825	µg/m ³	V0
Aluminum	0.002800	0.150713	µg/m ³	V0
Silicon	0.010200	0.489178	µg/m ³	V0
Phosphorus	0.003480	0.029807	µg/m ³	V0
Potassium	0.000402	0.059031	µg/m ³	V0
Calcium	0.013042	0.558023	µg/m ³	V0
Titanium	0.000031	0.007272	µg/m ³	V0
Vanadium	0.000018	0.001359	µg/m ³	V0
Chromium	0.000045	0.001321	µg/m ³	V0
Manganese	0.000028	0.004285	µg/m ³	V0
Iron	0.001585	0.161321	µg/m ³	V0
Cobalt	0.000005	0.000124	µg/m ³	V0
Nickel	0.000015	0.000865	µg/m ³	V0
Copper	0.000027	0.000957	µg/m ³	V0
Zinc	0.000149	0.000285	µg/m ³	V0
Arsenic	0.000005	0.000066	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000297	µg/m ³	V0
Strontium	0.000012	0.001210	µg/m ³	V0
Niobium	0.000006	0.000093	µg/m ³	V0
Molybdenum	0.000025	0.000190	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000141	µg/m ³	V0
Antimony	0.000016	0.000087	µg/m ³	V0
Cesium	0.000004	0.000018	µg/m ³	V0
Barium	0.000054	0.001877	µg/m ³	V0
Lanthanum	0.000004	0.000108	µg/m ³	V0
Cerium	0.000013	0.000231	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000105	µg/m ³	V0
Samarium	0.000006	0.000019	µg/m ³	V0
Tantalum	0.000003	0.000333	µg/m ³	V0
Tungsten	0.000005	0.000082	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000223	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502256
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

There is a bug on the filter disc sample

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.0	°C	
Pressure		732.1	mmHg	
Particulate Matter	0.042	8.042	µg/m ³	V0
Lithium	0.000016	0.000309	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030635	µg/m ³	V0
Magnesium	0.000279	0.060880	µg/m ³	V0
Aluminum	0.002800	0.215758	µg/m ³	V0
Silicon	0.010200	0.451652	µg/m ³	V0
Phosphorus	0.003480	0.032923	µg/m ³	V0
Potassium	0.000402	0.088037	µg/m ³	V0
Calcium	0.013042	0.476490	µg/m ³	V0
Titanium	0.000031	0.009217	µg/m ³	V0
Vanadium	0.000018	0.001419	µg/m ³	V0
Chromium	0.000045	0.003518	µg/m ³	V0
Manganese	0.000028	0.003415	µg/m ³	V0
Iron	0.001585	0.193498	µg/m ³	V0
Cobalt	0.000005	0.000141	µg/m ³	V0
Nickel	0.000015	0.000490	µg/m ³	V0
Copper	0.000027	0.000408	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000056	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000392	µg/m ³	V0
Strontium	0.000012	0.001223	µg/m ³	V0
Niobium	0.000006	0.000060	µg/m ³	V0
Molybdenum	0.000025	0.000199	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000155	µg/m ³	V0
Antimony	0.000016	0.000043	µg/m ³	V0
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	0.002261	µg/m ³	V0
Lanthanum	0.000004	0.000136	µg/m ³	V0
Cerium	0.000013	0.000288	µg/m ³	V0
Praseodymium	0.000002	0.000034	µg/m ³	V0
Neodymium	0.000005	0.000134	µg/m ³	V0
Samarium	0.000006	0.000024	µg/m ³	V0
Tantalum	0.000003	0.000157	µg/m ³	V0
Tungsten	0.000005	0.000099	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000199	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000041	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220502259
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.0	°C	
Pressure		735.6	mmHg	
Particulate Matter	0.042	6.417	µg/m ³	V0
Lithium	0.000016	0.000224	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027867	µg/m ³	V0
Magnesium	0.000279	0.046215	µg/m ³	V0
Aluminum	0.002800	0.163002	µg/m ³	V0
Silicon	0.010200	0.294774	µg/m ³	V0
Phosphorus	0.003480	0.026794	µg/m ³	V0
Potassium	0.000402	0.069558	µg/m ³	V0
Calcium	0.013042	0.285302	µg/m ³	V0
Titanium	0.000031	0.007241	µg/m ³	V0
Vanadium	0.000018	0.001050	µg/m ³	V0
Chromium	0.000045	0.000968	µg/m ³	V0
Manganese	0.000028	0.002385	µg/m ³	V0
Iron	0.001585	0.130977	µg/m ³	V0
Cobalt	0.000005	0.000147	µg/m ³	V0
Nickel	0.000015	0.000605	µg/m ³	V0
Copper	0.000027	0.000513	µg/m ³	V0
Zinc	0.000149	0.001131	µg/m ³	V0
Arsenic	0.000005	0.000053	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000323	µg/m ³	V0
Strontium	0.000012	0.000909	µg/m ³	V0
Niobium	0.000006	0.000046	µg/m ³	V0
Molybdenum	0.000025	0.000126	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000187	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.002110	µg/m ³	V0
Lanthanum	0.000004	0.000103	µg/m ³	V0
Cerium	0.000013	0.000222	µg/m ³	V0
Praseodymium	0.000002	0.000027	µg/m ³	V0
Neodymium	0.000005	0.000100	µg/m ³	V0
Samarium	0.000006	0.000020	µg/m ³	V0
Tantalum	0.000003	0.000173	µg/m ³	V0
Tungsten	0.000005	0.000107	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000189	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000032	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220502264
Start Date:	2022-05-17 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-05-18 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.4	°C	
Pressure		736.3	mmHg	
Particulate Matter	0.042	8.583	µg/m ³	V0
Lithium	0.000016	0.000184	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.051180	µg/m ³	V0
Magnesium	0.000279	0.093481	µg/m ³	V0
Aluminum	0.002800	0.155513	µg/m ³	V0
Silicon	0.010200	0.565044	µg/m ³	V0
Phosphorus	0.003480	0.032872	µg/m ³	V0
Potassium	0.000402	0.075137	µg/m ³	V0
Calcium	0.013042	0.383459	µg/m ³	V0
Titanium	0.000031	0.009135	µg/m ³	V0
Vanadium	0.000018	0.000912	µg/m ³	V0
Chromium	0.000045	0.001309	µg/m ³	V0
Manganese	0.000028	0.005465	µg/m ³	V0
Iron	0.001585	0.309256	µg/m ³	V0
Cobalt	0.000005	0.000227	µg/m ³	V0
Nickel	0.000015	0.000773	µg/m ³	V0
Copper	0.000027	0.001821	µg/m ³	V0
Zinc	0.000149	0.004997	µg/m ³	V0
Arsenic	0.000005	0.000116	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000307	µg/m ³	V0
Strontium	0.000012	0.001258	µg/m ³	V0
Niobium	0.000006	0.000110	µg/m ³	V0
Molybdenum	0.000025	0.000152	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000368	µg/m ³	V0
Antimony	0.000016	0.000304	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.005267	µg/m ³	V0
Lanthanum	0.000004	0.000140	µg/m ³	V0
Cerium	0.000013	0.000302	µg/m ³	V0
Praseodymium	0.000002	0.000034	µg/m ³	V0
Neodymium	0.000005	0.000134	µg/m ³	V0
Samarium	0.000006	0.000025	µg/m ³	V0
Tantalum	0.000003	0.000381	µg/m ³	V0
Tungsten	0.000005	0.000599	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000238	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000049	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502267
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		727.4	mmHg	
Particulate Matter	0.042	8.875	µg/m ³	V0
Lithium	0.000016	0.000222	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.060684	µg/m ³	V0
Magnesium	0.000279	0.096517	µg/m ³	V0
Aluminum	0.002800	0.179027	µg/m ³	V0
Silicon	0.010200	0.639469	µg/m ³	V0
Phosphorus	0.003480	0.032853	µg/m ³	V0
Potassium	0.000402	0.080923	µg/m ³	V0
Calcium	0.013042	0.429996	µg/m ³	V0
Titanium	0.000031	0.009996	µg/m ³	V0
Vanadium	0.000018	0.001088	µg/m ³	V0
Chromium	0.000045	0.001662	µg/m ³	V0
Manganese	0.000028	0.006230	µg/m ³	V0
Iron	0.001585	0.340747	µg/m ³	V0
Cobalt	0.000005	0.000292	µg/m ³	V0
Nickel	0.000015	0.000763	µg/m ³	V0
Copper	0.000027	0.001795	µg/m ³	V0
Zinc	0.000149	0.005877	µg/m ³	V0
Arsenic	0.000005	0.000099	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000342	µg/m ³	V0
Strontium	0.000012	0.001385	µg/m ³	V0
Niobium	0.000006	0.000093	µg/m ³	V0
Molybdenum	0.000025	0.000179	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000081	µg/m ³	V4
Tin	0.000008	0.000416	µg/m ³	V0
Antimony	0.000016	0.000445	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.006048	µg/m ³	V0
Lanthanum	0.000004	0.000167	µg/m ³	V0
Cerium	0.000013	0.000374	µg/m ³	V0
Praseodymium	0.000002	0.000040	µg/m ³	V0
Neodymium	0.000005	0.000161	µg/m ³	V0
Samarium	0.000006	0.000027	µg/m ³	V0
Tantalum	0.000003	0.000347	µg/m ³	V0
Tungsten	0.000005	0.000655	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000268	µg/m ³	V0
Bismuth	0.000004	0.000025	µg/m ³	V0
Thorium	0.000002	0.000050	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220502272
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.7	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	25.833	µg/m ³	V0
Lithium	0.000016	0.001548	µg/m ³	V0
Beryllium	0.000013	0.000045	µg/m ³	V0
Sodium	0.000777	0.073435	µg/m ³	V0
Magnesium	0.000279	0.203315	µg/m ³	V0
Aluminum	0.002800	1.082438	µg/m ³	V0
Silicon	0.010200	1.958040	µg/m ³	V0
Phosphorus	0.003480	0.038685	µg/m ³	V0
Potassium	0.000402	0.292391	µg/m ³	V0
Calcium	0.013042	0.954175	µg/m ³	V0
Titanium	0.000031	0.048928	µg/m ³	V0
Vanadium	0.000018	0.004652	µg/m ³	V0
Chromium	0.000045	0.002078	µg/m ³	V0
Manganese	0.000028	0.018293	µg/m ³	V0
Iron	0.001585	0.951123	µg/m ³	V0
Cobalt	0.000005	0.000608	µg/m ³	V0
Nickel	0.000015	0.001377	µg/m ³	V0
Copper	0.000027	0.000766	µg/m ³	V0
Zinc	0.000149	0.002847	µg/m ³	V0
Arsenic	0.000005	0.000223	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001764	µg/m ³	V0
Strontium	0.000012	0.004230	µg/m ³	V0
Niobium	0.000006	0.000179	µg/m ³	V0
Molybdenum	0.000025	0.000243	µg/m ³	V0
Palladium	0.000050	0.000074	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000224	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	0.000099	µg/m ³	V0
Barium	0.000054	0.010448	µg/m ³	V0
Lanthanum	0.000004	0.000701	µg/m ³	V0
Cerium	0.000013	0.001543	µg/m ³	V0
Praseodymium	0.000002	0.000186	µg/m ³	V0
Neodymium	0.000005	0.000708	µg/m ³	V0
Samarium	0.000006	0.000136	µg/m ³	V0
Tantalum	0.000003	0.000234	µg/m ³	V0
Tungsten	0.000005	0.000192	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000536	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000233	µg/m ³	V0
Uranium	0.000003	0.000052	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00
		Set Index:	1
		WBEA ID:	220502282
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.0	°C	
Pressure		708.8	mmHg	
Particulate Matter	0.042	3.542	µg/m ³	V0
Lithium	0.000016	0.000107	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018180	µg/m ³	V0
Magnesium	0.000279	0.054421	µg/m ³	V0
Aluminum	0.002800	0.089057	µg/m ³	V0
Silicon	0.010200	0.318208	µg/m ³	V0
Phosphorus	0.003480	0.040892	µg/m ³	V0
Potassium	0.000402	0.050122	µg/m ³	V0
Calcium	0.013042	0.136834	µg/m ³	V0
Titanium	0.000031	0.004511	µg/m ³	V0
Vanadium	0.000018	0.000294	µg/m ³	V0
Chromium	0.000045	0.001671	µg/m ³	V0
Manganese	0.000028	0.002387	µg/m ³	V0
Iron	0.001585	0.105796	µg/m ³	V0
Cobalt	0.000005	0.000091	µg/m ³	V0
Nickel	0.000015	0.000846	µg/m ³	V0
Copper	0.000027	0.000235	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000051	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000176	µg/m ³	V0
Strontium	0.000012	0.000508	µg/m ³	V0
Niobium	0.000006	0.000057	µg/m ³	V0
Molybdenum	0.000025	0.000044	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000094	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.001285	µg/m ³	V0
Lanthanum	0.000004	0.000078	µg/m ³	V0
Cerium	0.000013	0.000159	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000075	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000277	µg/m ³	V0
Tungsten	0.000005	0.000090	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000116	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502289
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.5	°C	
Pressure		716.6	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Lithium	0.000016	0.000041	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004054	µg/m ³	V0
Magnesium	0.000279	0.014122	µg/m ³	V0
Aluminum	0.002800	0.039700	µg/m ³	V0
Silicon	0.010200	0.136947	µg/m ³	V0
Phosphorus	0.003480	0.031505	µg/m ³	V0
Potassium	0.000402	0.022484	µg/m ³	V0
Calcium	0.013042	0.042511	µg/m ³	V0
Titanium	0.000031	0.001648	µg/m ³	V0
Vanadium	0.000018	0.000137	µg/m ³	V0
Chromium	0.000045	0.000988	µg/m ³	V0
Manganese	0.000028	0.000752	µg/m ³	V0
Iron	0.001585	0.032170	µg/m ³	V0
Cobalt	0.000005	0.000086	µg/m ³	V0
Nickel	0.000015	0.000632	µg/m ³	V0
Copper	0.000027	0.000495	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000021	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000068	µg/m ³	V0
Strontium	0.000012	0.000186	µg/m ³	V0
Niobium	0.000006	0.000060	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	0.000056	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000107	µg/m ³	V0
Antimony	0.000016	0.000030	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000495	µg/m ³	V0
Lanthanum	0.000004	0.000024	µg/m ³	V0
Cerium	0.000013	0.000050	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000283	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000070	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Anzac	Samp Use: Exposure	WBEA ID: 220502294
Start Date:	2022-05-17 00:00	Loc ID: ANZC	Duration: 24.0 hr
		End Date: 2022-05-18 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.9	°C	
Pressure		715.3	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Lithium	0.000016	0.000119	µg/m ³	V0
Beryllium	0.000013	0.000019	µg/m ³	V0
Sodium	0.000777	0.010965	µg/m ³	V0
Magnesium	0.000279	0.023730	µg/m ³	V0
Aluminum	0.002800	0.062807	µg/m ³	V0
Silicon	0.010200	0.150364	µg/m ³	V0
Phosphorus	0.003480	0.037903	µg/m ³	V0
Potassium	0.000402	0.043111	µg/m ³	V0
Calcium	0.013042	0.096589	µg/m ³	V0
Titanium	0.000031	0.002445	µg/m ³	V0
Vanadium	0.000018	0.000217	µg/m ³	V0
Chromium	0.000045	0.001029	µg/m ³	V0
Manganese	0.000028	0.001733	µg/m ³	V0
Iron	0.001585	0.063454	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000526	µg/m ³	V0
Copper	0.000027	0.000508	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000419	µg/m ³	V0
Selenium	0.000133	0.000170	µg/m ³	V0
Rubidium	0.000003	0.000143	µg/m ³	V0
Strontium	0.000012	0.000350	µg/m ³	V0
Niobium	0.000006	0.000047	µg/m ³	V0
Molybdenum	0.000025	0.000043	µg/m ³	V0
Palladium	0.000050	0.000341	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000081	µg/m ³	V0
Antimony	0.000016	0.000019	µg/m ³	V0
Cesium	0.000004	0.000040	µg/m ³	V0
Barium	0.000054	0.000674	µg/m ³	V0
Lanthanum	0.000004	0.000047	µg/m ³	V0
Cerium	0.000013	0.000087	µg/m ³	V0
Praseodymium	0.000002	0.000021	µg/m ³	V0
Neodymium	0.000005	0.000048	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000396	µg/m ³	V0
Tungsten	0.000005	0.000085	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000227	µg/m ³	V0
Lead	0.000018	0.000119	µg/m ³	V0
Bismuth	0.000004	0.000101	µg/m ³	V0
Thorium	0.000002	0.000111	µg/m ³	V0
Uranium	0.000003	0.000015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220502302
Start Date:	2022-05-19 08:12	End Date:	2022-05-19 08:13	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000058	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001876	µg/m ³	V0
Magnesium	0.000279	0.001047	µg/m ³	V0
Aluminum	0.002800	0.007417	µg/m ³	V0
Silicon	0.010200	0.022467	µg/m ³	V0
Phosphorus	0.003480	0.028716	µg/m ³	V0
Potassium	0.000402	0.010272	µg/m ³	V0
Calcium	0.013042	0.028660	µg/m ³	V0
Titanium	0.000031	0.000462	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000562	µg/m ³	V0
Manganese	0.000028	0.000099	µg/m ³	V0
Iron	0.001585	0.007015	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000162	µg/m ³	V0
Copper	0.000027	0.000556	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000083	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000020	µg/m ³	V0
Strontium	0.000012	0.000028	µg/m ³	V0
Niobium	0.000006	0.000032	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000143	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000045	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000012	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000189	µg/m ³	V0
Tungsten	0.000005	0.000044	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000051	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000027	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00
		Set Index:	1
		WBEA ID:	220502308
		Duration:	24.0 hr

Notes

Mosquito in sample filter

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.6	°C	
Pressure		716.3	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Lithium	0.000016	0.000216	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014481	µg/m ³	V0
Magnesium	0.000279	0.037124	µg/m ³	V0
Aluminum	0.002800	0.129905	µg/m ³	V0
Silicon	0.010200	0.487066	µg/m ³	V0
Phosphorus	0.003480	0.049184	µg/m ³	V0
Potassium	0.000402	0.054449	µg/m ³	V0
Calcium	0.013042	0.216400	µg/m ³	V0
Titanium	0.000031	0.005343	µg/m ³	V0
Vanadium	0.000018	0.000498	µg/m ³	V0
Chromium	0.000045	0.001412	µg/m ³	V0
Manganese	0.000028	0.001691	µg/m ³	V0
Iron	0.001585	0.095580	µg/m ³	V0
Cobalt	0.000005	0.000085	µg/m ³	V0
Nickel	0.000015	0.000303	µg/m ³	V0
Copper	0.000027	0.000237	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000050	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000306	µg/m ³	V0
Strontium	0.000012	0.000622	µg/m ³	V0
Niobium	0.000006	0.000054	µg/m ³	V0
Molybdenum	0.000025	0.000104	µg/m ³	V0
Palladium	0.000050	0.000066	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000090	µg/m ³	V0
Antimony	0.000016	0.000018	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.001052	µg/m ³	V0
Lanthanum	0.000004	0.000083	µg/m ³	V0
Cerium	0.000013	0.000169	µg/m ³	V0
Praseodymium	0.000002	0.000021	µg/m ³	V0
Neodymium	0.000005	0.000076	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.000257	µg/m ³	V0
Tungsten	0.000005	0.000048	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000126	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000028	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220502312
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.5	°C	
Pressure		735.1	mmHg	
Particulate Matter	0.042	44.042	µg/m ³	V0
Lithium	0.000016	0.002359	µg/m ³	V0
Beryllium	0.000013	0.000081	µg/m ³	V0
Sodium	0.000777	0.188371	µg/m ³	V0
Magnesium	0.000279	0.535967	µg/m ³	V0
Aluminum	0.002800	1.900772	µg/m ³	V0
Silicon	0.010200	3.273541	µg/m ³	V0
Phosphorus	0.003480	0.062253	µg/m ³	V0
Potassium	0.000402	0.549782	µg/m ³	V0
Calcium	0.013042	2.927837	µg/m ³	V0
Titanium	0.000031	0.091573	µg/m ³	V0
Vanadium	0.000018	0.007287	µg/m ³	V0
Chromium	0.000045	0.002808	µg/m ³	V0
Manganese	0.000028	0.048687	µg/m ³	V0
Iron	0.001585	2.937020	µg/m ³	V0
Cobalt	0.000005	0.001300	µg/m ³	V0
Nickel	0.000015	0.001721	µg/m ³	V0
Copper	0.000027	0.001215	µg/m ³	V0
Zinc	0.000149	0.002357	µg/m ³	V0
Arsenic	0.000005	0.000474	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.003133	µg/m ³	V0
Strontium	0.000012	0.010068	µg/m ³	V0
Niobium	0.000006	0.000326	µg/m ³	V0
Molybdenum	0.000025	0.000351	µg/m ³	V0
Palladium	0.000050	0.000137	µg/m ³	V0
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000226	µg/m ³	V0
Antimony	0.000016	0.000071	µg/m ³	V0
Cesium	0.000004	0.000155	µg/m ³	V0
Barium	0.000054	0.023982	µg/m ³	V0
Lanthanum	0.000004	0.001386	µg/m ³	V0
Cerium	0.000013	0.003016	µg/m ³	V0
Praseodymium	0.000002	0.000359	µg/m ³	V0
Neodymium	0.000005	0.001413	µg/m ³	V0
Samarium	0.000006	0.000264	µg/m ³	V0
Tantalum	0.000003	0.000246	µg/m ³	V0
Tungsten	0.000005	0.000483	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000032	µg/m ³	V0
Lead	0.000018	0.000928	µg/m ³	V0
Bismuth	0.000004	0.000033	µg/m ³	V0
Thorium	0.000002	0.000432	µg/m ³	V0
Uranium	0.000003	0.000101	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502320
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.9	°C	
Pressure		737.8	mmHg	
Particulate Matter	0.042	22.208	µg/m ³	V0
Lithium	0.000016	0.001403	µg/m ³	V0
Beryllium	0.000013	0.000047	µg/m ³	V0
Sodium	0.000777	0.104233	µg/m ³	V0
Magnesium	0.000279	0.215400	µg/m ³	V0
Aluminum	0.002800	1.152758	µg/m ³	V0
Silicon	0.010200	1.756404	µg/m ³	V0
Phosphorus	0.003480	0.045810	µg/m ³	V0
Potassium	0.000402	0.326594	µg/m ³	V0
Calcium	0.013042	1.600538	µg/m ³	V0
Titanium	0.000031	0.045463	µg/m ³	V0
Vanadium	0.000018	0.004840	µg/m ³	V0
Chromium	0.000045	0.002575	µg/m ³	V0
Manganese	0.000028	0.012792	µg/m ³	V0
Iron	0.001585	0.759889	µg/m ³	V0
Cobalt	0.000005	0.000695	µg/m ³	V0
Nickel	0.000015	0.001206	µg/m ³	V0
Copper	0.000027	0.001550	µg/m ³	V0
Zinc	0.000149	0.002865	µg/m ³	V0
Arsenic	0.000005	0.000262	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001992	µg/m ³	V0
Strontium	0.000012	0.005107	µg/m ³	V0
Niobium	0.000006	0.000160	µg/m ³	V0
Molybdenum	0.000025	0.000311	µg/m ³	V0
Palladium	0.000050	0.000147	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000155	µg/m ³	V0
Antimony	0.000016	0.000147	µg/m ³	V0
Cesium	0.000004	0.000122	µg/m ³	V0
Barium	0.000054	0.010803	µg/m ³	V0
Lanthanum	0.000004	0.000649	µg/m ³	V0
Cerium	0.000013	0.001401	µg/m ³	V0
Praseodymium	0.000002	0.000174	µg/m ³	V0
Neodymium	0.000005	0.000676	µg/m ³	V0
Samarium	0.000006	0.000133	µg/m ³	V0
Tantalum	0.000003	0.000197	µg/m ³	V0
Tungsten	0.000005	0.000424	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.000531	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000221	µg/m ³	V0
Uranium	0.000003	0.000052	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00
		Set Index:	1
		WBEA ID:	220502330
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.5	°C	
Pressure		728.0	mmHg	
Particulate Matter	0.042	25.417	µg/m ³	V0
Lithium	0.000016	0.001474	µg/m ³	V0
Beryllium	0.000013	0.000051	µg/m ³	V0
Sodium	0.000777	0.110952	µg/m ³	V0
Magnesium	0.000279	0.226600	µg/m ³	V0
Aluminum	0.002800	1.187223	µg/m ³	V0
Silicon	0.010200	2.003388	µg/m ³	V0
Phosphorus	0.003480	0.034686	µg/m ³	V0
Potassium	0.000402	0.337127	µg/m ³	V0
Calcium	0.013042	2.441762	µg/m ³	V0
Titanium	0.000031	0.059188	µg/m ³	V0
Vanadium	0.000018	0.006822	µg/m ³	V0
Chromium	0.000045	0.002220	µg/m ³	V0
Manganese	0.000028	0.011733	µg/m ³	V0
Iron	0.001585	0.678820	µg/m ³	V0
Cobalt	0.000005	0.000670	µg/m ³	V0
Nickel	0.000015	0.001367	µg/m ³	V0
Copper	0.000027	0.001879	µg/m ³	V0
Zinc	0.000149	0.005519	µg/m ³	V0
Arsenic	0.000005	0.000241	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002067	µg/m ³	V0
Strontium	0.000012	0.006379	µg/m ³	V0
Niobium	0.000006	0.000204	µg/m ³	V0
Molybdenum	0.000025	0.000483	µg/m ³	V0
Palladium	0.000050	0.000096	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000020	µg/m ³	V0
Tin	0.000008	0.000285	µg/m ³	V0
Antimony	0.000016	0.007690	µg/m ³	V4
Cesium	0.000004	0.000128	µg/m ³	V0
Barium	0.000054	0.011677	µg/m ³	V0
Lanthanum	0.000004	0.000766	µg/m ³	V0
Cerium	0.000013	0.001637	µg/m ³	V0
Praseodymium	0.000002	0.000198	µg/m ³	V0
Neodymium	0.000005	0.000757	µg/m ³	V0
Samarium	0.000006	0.000140	µg/m ³	V0
Tantalum	0.000003	0.000265	µg/m ³	V0
Tungsten	0.000005	0.000279	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000874	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000231	µg/m ³	V0
Uranium	0.000003	0.000058	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220502337
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

Small insect stuck to filter disk upon retrieval.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.1	°C	
Pressure		734.0	mmHg	
Particulate Matter	0.042	9.917	µg/m ³	V0
Lithium	0.000016	0.000493	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.027063	µg/m ³	V0
Magnesium	0.000279	0.069313	µg/m ³	V0
Aluminum	0.002800	0.356484	µg/m ³	V0
Silicon	0.010200	1.564208	µg/m ³	V0
Phosphorus	0.003480	0.034476	µg/m ³	V0
Potassium	0.000402	0.094699	µg/m ³	V0
Calcium	0.013042	0.192618	µg/m ³	V0
Titanium	0.000031	0.016374	µg/m ³	V0
Vanadium	0.000018	0.001298	µg/m ³	V0
Chromium	0.000045	0.001126	µg/m ³	V0
Manganese	0.000028	0.005302	µg/m ³	V0
Iron	0.001585	0.294089	µg/m ³	V0
Cobalt	0.000005	0.000214	µg/m ³	V0
Nickel	0.000015	0.000429	µg/m ³	V0
Copper	0.000027	0.000215	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000048	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000575	µg/m ³	V0
Strontium	0.000012	0.001168	µg/m ³	V0
Niobium	0.000006	0.000093	µg/m ³	V0
Molybdenum	0.000025	0.000129	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000135	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	0.000033	µg/m ³	V0
Barium	0.000054	0.003317	µg/m ³	V0
Lanthanum	0.000004	0.000224	µg/m ³	V0
Cerium	0.000013	0.000489	µg/m ³	V0
Praseodymium	0.000002	0.000057	µg/m ³	V0
Neodymium	0.000005	0.000222	µg/m ³	V0
Samarium	0.000006	0.000043	µg/m ³	V0
Tantalum	0.000003	0.000278	µg/m ³	V0
Tungsten	0.000005	0.000090	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000177	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000068	µg/m ³	V0
Uranium	0.000003	0.000017	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220502340
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.9	°C	
Pressure		737.4	mmHg	
Particulate Matter	0.042	7.875	µg/m ³	V0
Lithium	0.000016	0.000616	µg/m ³	V0
Beryllium	0.000013	0.000019	µg/m ³	V0
Sodium	0.000777	0.034872	µg/m ³	V0
Magnesium	0.000279	0.071754	µg/m ³	V0
Aluminum	0.002800	0.367509	µg/m ³	V0
Silicon	0.010200	0.807996	µg/m ³	V0
Phosphorus	0.003480	0.032875	µg/m ³	V0
Potassium	0.000402	0.097038	µg/m ³	V0
Calcium	0.013042	0.362921	µg/m ³	V0
Titanium	0.000031	0.016418	µg/m ³	V0
Vanadium	0.000018	0.001173	µg/m ³	V0
Chromium	0.000045	0.001352	µg/m ³	V0
Manganese	0.000028	0.006077	µg/m ³	V0
Iron	0.001585	0.282482	µg/m ³	V0
Cobalt	0.000005	0.000222	µg/m ³	V0
Nickel	0.000015	0.000438	µg/m ³	V0
Copper	0.000027	0.000226	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000031	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000571	µg/m ³	V0
Strontium	0.000012	0.001344	µg/m ³	V0
Niobium	0.000006	0.000151	µg/m ³	V0
Molybdenum	0.000025	0.000194	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	0.000046	µg/m ³	V0
Cesium	0.000004	0.000035	µg/m ³	V0
Barium	0.000054	0.003076	µg/m ³	V0
Lanthanum	0.000004	0.000226	µg/m ³	V0
Cerium	0.000013	0.000504	µg/m ³	V0
Praseodymium	0.000002	0.000058	µg/m ³	V0
Neodymium	0.000005	0.000224	µg/m ³	V0
Samarium	0.000006	0.000045	µg/m ³	V0
Tantalum	0.000003	0.000339	µg/m ³	V0
Tungsten	0.000005	0.000302	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000185	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000069	µg/m ³	V0
Uranium	0.000003	0.000017	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00
		Set Index:	1
		WBEA ID:	220502348
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		709.2	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Lithium	0.000016	0.000118	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014523	µg/m ³	V0
Magnesium	0.000279	0.034413	µg/m ³	V0
Aluminum	0.002800	0.081738	µg/m ³	V0
Silicon	0.010200	0.350313	µg/m ³	V0
Phosphorus	0.003480	0.034364	µg/m ³	V0
Potassium	0.000402	0.035570	µg/m ³	V0
Calcium	0.013042	0.111059	µg/m ³	V0
Titanium	0.000031	0.003745	µg/m ³	V0
Vanadium	0.000018	0.000314	µg/m ³	V0
Chromium	0.000045	0.001030	µg/m ³	V0
Manganese	0.000028	0.001743	µg/m ³	V0
Iron	0.001585	0.085393	µg/m ³	V0
Cobalt	0.000005	0.000059	µg/m ³	V0
Nickel	0.000015	0.000232	µg/m ³	V0
Copper	0.000027	0.000176	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000041	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000147	µg/m ³	V0
Strontium	0.000012	0.000428	µg/m ³	V0
Niobium	0.000006	0.000044	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000107	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000958	µg/m ³	V0
Lanthanum	0.000004	0.000054	µg/m ³	V0
Cerium	0.000013	0.000117	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000052	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000234	µg/m ³	V0
Tungsten	0.000005	0.000067	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000126	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000019	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502355
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.6	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	23.833	µg/m ³	V0
Lithium	0.000016	0.002149	µg/m ³	V0
Beryllium	0.000013	0.000055	µg/m ³	V0
Sodium	0.000777	0.075264	µg/m ³	V0
Magnesium	0.000279	0.179546	µg/m ³	V0
Aluminum	0.002800	1.283761	µg/m ³	V0
Silicon	0.010200	2.553273	µg/m ³	V0
Phosphorus	0.003480	0.035851	µg/m ³	V0
Potassium	0.000402	0.316298	µg/m ³	V0
Calcium	0.013042	1.742988	µg/m ³	V0
Titanium	0.000031	0.053863	µg/m ³	V0
Vanadium	0.000018	0.004307	µg/m ³	V0
Chromium	0.000045	0.003078	µg/m ³	V0
Manganese	0.000028	0.021359	µg/m ³	V0
Iron	0.001585	1.027748	µg/m ³	V0
Cobalt	0.000005	0.000756	µg/m ³	V0
Nickel	0.000015	0.001243	µg/m ³	V0
Copper	0.000027	0.000936	µg/m ³	V0
Zinc	0.000149	0.000687	µg/m ³	V0
Arsenic	0.000005	0.000227	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002041	µg/m ³	V0
Strontium	0.000012	0.005333	µg/m ³	V0
Niobium	0.000006	0.000218	µg/m ³	V0
Molybdenum	0.000025	0.000255	µg/m ³	V0
Palladium	0.000050	0.000152	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000205	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	0.000127	µg/m ³	V0
Barium	0.000054	0.011107	µg/m ³	V0
Lanthanum	0.000004	0.000788	µg/m ³	V0
Cerium	0.000013	0.001791	µg/m ³	V0
Praseodymium	0.000002	0.000211	µg/m ³	V0
Neodymium	0.000005	0.000815	µg/m ³	V0
Samarium	0.000006	0.000155	µg/m ³	V0
Tantalum	0.000003	0.000324	µg/m ³	V0
Tungsten	0.000005	0.000144	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.000578	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000255	µg/m ³	V0
Uranium	0.000003	0.000060	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00
		Set Index:	1
		WBEA ID:	220502374
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.0	°C	
Pressure		717.2	mmHg	
Particulate Matter	0.042	4.333	µg/m ³	V0
Lithium	0.000016	0.000105	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011713	µg/m ³	V0
Magnesium	0.000279	0.024522	µg/m ³	V0
Aluminum	0.002800	0.070967	µg/m ³	V0
Silicon	0.010200	0.213180	µg/m ³	V0
Phosphorus	0.003480	0.022616	µg/m ³	V0
Potassium	0.000402	0.031336	µg/m ³	V0
Calcium	0.013042	0.096431	µg/m ³	V0
Titanium	0.000031	0.004281	µg/m ³	V0
Vanadium	0.000018	0.000224	µg/m ³	V0
Chromium	0.000045	0.000699	µg/m ³	V0
Manganese	0.000028	0.001571	µg/m ³	V0
Iron	0.001585	0.063531	µg/m ³	V0
Cobalt	0.000005	0.000068	µg/m ³	V0
Nickel	0.000015	0.000414	µg/m ³	V0
Copper	0.000027	0.000141	µg/m ³	V0
Zinc	0.000149	0.001635	µg/m ³	V0
Arsenic	0.000005	0.000630	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000139	µg/m ³	V0
Strontium	0.000012	0.000403	µg/m ³	V0
Niobium	0.000006	0.000058	µg/m ³	V0
Molybdenum	0.000025	0.000075	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000155	µg/m ³	V0
Antimony	0.000016	0.000385	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.001056	µg/m ³	V0
Lanthanum	0.000004	0.000058	µg/m ³	V0
Cerium	0.000013	0.000120	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000056	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000211	µg/m ³	V0
Tungsten	0.000005	0.000094	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000179	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502319
Start Date:	2022-05-24 00:00	End Date:	2022-05-25 00:00	Duration:	24.0 hr

Notes

Sample deployed on day after NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.0	°C	
Pressure		740.1	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Lithium	0.000016	0.000111	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031383	µg/m ³	V0
Magnesium	0.000279	0.030481	µg/m ³	V0
Aluminum	0.002800	0.092792	µg/m ³	V0
Silicon	0.010200	0.344994	µg/m ³	V0
Phosphorus	0.003480	0.026910	µg/m ³	V0
Potassium	0.000402	0.043149	µg/m ³	V0
Calcium	0.013042	0.045448	µg/m ³	V0
Titanium	0.000031	0.006131	µg/m ³	V0
Vanadium	0.000018	0.000248	µg/m ³	V0
Chromium	0.000045	0.000789	µg/m ³	V0
Manganese	0.000028	0.001067	µg/m ³	V0
Iron	0.001585	0.061013	µg/m ³	V0
Cobalt	0.000005	0.000059	µg/m ³	V0
Nickel	0.000015	0.000294	µg/m ³	V0
Copper	0.000027	0.000108	µg/m ³	V0
Zinc	0.000149	0.000275	µg/m ³	V0
Arsenic	0.000005	0.000027	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000174	µg/m ³	V0
Strontium	0.000012	0.000481	µg/m ³	V0
Niobium	0.000006	0.000074	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000125	µg/m ³	V0
Antimony	0.000016	0.000031	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.001766	µg/m ³	V0
Lanthanum	0.000004	0.000128	µg/m ³	V0
Cerium	0.000013	0.000258	µg/m ³	V0
Praseodymium	0.000002	0.000028	µg/m ³	V0
Neodymium	0.000005	0.000105	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000294	µg/m ³	V0
Tungsten	0.000005	0.000091	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000187	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000041	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220502397
Start Date:	2022-05-24 11:52	End Date:	2022-05-24 11:53	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000031	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001154	µg/m ³	V0
Magnesium	0.000279	0.002814	µg/m ³	V0
Aluminum	0.002800	0.006507	µg/m ³	V0
Silicon	0.010200	0.020379	µg/m ³	V0
Phosphorus	0.003480	0.035429	µg/m ³	V0
Potassium	0.000402	0.006698	µg/m ³	V0
Calcium	0.013042	0.017170	µg/m ³	V0
Titanium	0.000031	0.000496	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000766	µg/m ³	V0
Manganese	0.000028	0.000148	µg/m ³	V0
Iron	0.001585	0.004993	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000428	µg/m ³	V0
Copper	0.000027	0.000047	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000007	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000009	µg/m ³	V0
Strontium	0.000012	0.000034	µg/m ³	V0
Niobium	0.000006	0.000041	µg/m ³	V0
Molybdenum	0.000025	0.000026	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000057	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000624	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000268	µg/m ³	V0
Tungsten	0.000005	0.000042	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220502379
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.6	°C	
Pressure		728.5	mmHg	
Particulate Matter	0.042	11.500	µg/m ³	V0
Lithium	0.000016	0.000282	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.044541	µg/m ³	V0
Magnesium	0.000279	0.103208	µg/m ³	V0
Aluminum	0.002800	0.227429	µg/m ³	V0
Silicon	0.010200	0.807501	µg/m ³	V0
Phosphorus	0.003480	0.040714	µg/m ³	V0
Potassium	0.000402	0.095036	µg/m ³	V0
Calcium	0.013042	0.604038	µg/m ³	V0
Titanium	0.000031	0.011827	µg/m ³	V0
Vanadium	0.000018	0.000858	µg/m ³	V0
Chromium	0.000045	0.000749	µg/m ³	V0
Manganese	0.000028	0.009267	µg/m ³	V0
Iron	0.001585	0.589442	µg/m ³	V0
Cobalt	0.000005	0.000191	µg/m ³	V0
Nickel	0.000015	0.000435	µg/m ³	V0
Copper	0.000027	0.000325	µg/m ³	V0
Zinc	0.000149	0.001113	µg/m ³	V0
Arsenic	0.000005	0.000082	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000392	µg/m ³	V0
Strontium	0.000012	0.001777	µg/m ³	V0
Niobium	0.000006	0.000240	µg/m ³	V0
Molybdenum	0.000025	0.000330	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000036	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000104	µg/m ³	V0
Antimony	0.000016	0.000087	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.003992	µg/m ³	V0
Lanthanum	0.000004	0.000194	µg/m ³	V0
Cerium	0.000013	0.000409	µg/m ³	V0
Praseodymium	0.000002	0.000049	µg/m ³	V0
Neodymium	0.000005	0.000197	µg/m ³	V0
Samarium	0.000006	0.000034	µg/m ³	V0
Tantalum	0.000003	0.000647	µg/m ³	V0
Tungsten	0.000005	0.000835	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000173	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000061	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502389
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.6	°C	
Pressure		703.4	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Lithium	0.000016	0.000041	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.007236	µg/m ³	V0
Aluminum	0.002800	0.056534	µg/m ³	V0
Silicon	0.010200	0.052214	µg/m ³	V0
Phosphorus	0.003480	0.046007	µg/m ³	V0
Potassium	0.000402	0.026305	µg/m ³	V0
Calcium	0.013042	0.028251	µg/m ³	V0
Titanium	0.000031	0.001175	µg/m ³	V0
Vanadium	0.000018	0.000043	µg/m ³	V0
Chromium	0.000045	0.000593	µg/m ³	V0
Manganese	0.000028	0.000537	µg/m ³	V0
Iron	0.001585	0.017979	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000283	µg/m ³	V0
Copper	0.000027	0.000060	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000015	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000062	µg/m ³	V0
Strontium	0.000012	0.000095	µg/m ³	V0
Niobium	0.000006	0.000038	µg/m ³	V0
Molybdenum	0.000025	0.000030	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000096	µg/m ³	V0
Antimony	0.000016	0.000020	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000269	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000023	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000248	µg/m ³	V0
Tungsten	0.000005	0.000042	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000032	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 220502391
Start Date:	2022-05-29 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2022-05-30 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.6	°C	
Pressure		727.6	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Lithium	0.000016	0.000160	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007152	µg/m ³	V0
Magnesium	0.000279	0.024260	µg/m ³	V0
Aluminum	0.002800	0.102128	µg/m ³	V0
Silicon	0.010200	0.344676	µg/m ³	V0
Phosphorus	0.003480	0.049000	µg/m ³	V0
Potassium	0.000402	0.047028	µg/m ³	V0
Calcium	0.013042	0.052430	µg/m ³	V0
Titanium	0.000031	0.004403	µg/m ³	V0
Vanadium	0.000018	0.000327	µg/m ³	V0
Chromium	0.000045	0.000911	µg/m ³	V0
Manganese	0.000028	0.001739	µg/m ³	V0
Iron	0.001585	0.094023	µg/m ³	V0
Cobalt	0.000005	0.000072	µg/m ³	V0
Nickel	0.000015	0.000338	µg/m ³	V0
Copper	0.000027	0.000177	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000049	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000185	µg/m ³	V0
Strontium	0.000012	0.000369	µg/m ³	V0
Niobium	0.000006	0.000701	µg/m ³	V0
Molybdenum	0.000025	0.000769	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000134	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000163	µg/m ³	V0
Antimony	0.000016	0.000253	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001077	µg/m ³	V0
Lanthanum	0.000004	0.000066	µg/m ³	V0
Cerium	0.000013	0.000146	µg/m ³	V0
Praseodymium	0.000002	0.000017	µg/m ³	V0
Neodymium	0.000005	0.000067	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.008240	µg/m ³	V4
Tungsten	0.000005	0.008483	µg/m ³	V4
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000093	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000018	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220502403
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.7	°C	
Pressure		730.7	mmHg	
Particulate Matter	0.042	12.167	µg/m ³	V0
Lithium	0.000016	0.000577	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.032391	µg/m ³	V0
Magnesium	0.000279	0.088846	µg/m ³	V0
Aluminum	0.002800	0.402189	µg/m ³	V0
Silicon	0.010200	0.949137	µg/m ³	V0
Phosphorus	0.003480	0.051264	µg/m ³	V0
Potassium	0.000402	0.139675	µg/m ³	V0
Calcium	0.013042	0.255774	µg/m ³	V0
Titanium	0.000031	0.017819	µg/m ³	V0
Vanadium	0.000018	0.001391	µg/m ³	V0
Chromium	0.000045	0.000980	µg/m ³	V0
Manganese	0.000028	0.006629	µg/m ³	V0
Iron	0.001585	0.381985	µg/m ³	V0
Cobalt	0.000005	0.000253	µg/m ³	V0
Nickel	0.000015	0.000605	µg/m ³	V0
Copper	0.000027	0.000367	µg/m ³	V0
Zinc	0.000149	0.002118	µg/m ³	V0
Arsenic	0.000005	0.000132	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000679	µg/m ³	V0
Strontium	0.000012	0.001331	µg/m ³	V0
Niobium	0.000006	0.000082	µg/m ³	V0
Molybdenum	0.000025	0.000099	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000162	µg/m ³	V0
Antimony	0.000016	0.000051	µg/m ³	V0
Cesium	0.000004	0.000035	µg/m ³	V0
Barium	0.000054	0.004268	µg/m ³	V0
Lanthanum	0.000004	0.000257	µg/m ³	V0
Cerium	0.000013	0.000566	µg/m ³	V0
Praseodymium	0.000002	0.000070	µg/m ³	V0
Neodymium	0.000005	0.000269	µg/m ³	V0
Samarium	0.000006	0.000052	µg/m ³	V0
Tantalum	0.000003	0.000190	µg/m ³	V0
Tungsten	0.000005	0.000080	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000227	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000086	µg/m ³	V0
Uranium	0.000003	0.000020	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502409
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		710.8	mmHg	
Particulate Matter	0.042	4.458	µg/m ³	V0
Lithium	0.000016	0.000078	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005915	µg/m ³	V0
Magnesium	0.000279	0.023199	µg/m ³	V0
Aluminum	0.002800	0.060187	µg/m ³	V0
Silicon	0.010200	0.210114	µg/m ³	V0
Phosphorus	0.003480	0.051680	µg/m ³	V0
Potassium	0.000402	0.045317	µg/m ³	V0
Calcium	0.013042	0.058408	µg/m ³	V0
Titanium	0.000031	0.002340	µg/m ³	V0
Vanadium	0.000018	0.000140	µg/m ³	V0
Chromium	0.000045	0.000669	µg/m ³	V0
Manganese	0.000028	0.001231	µg/m ³	V0
Iron	0.001585	0.048626	µg/m ³	V0
Cobalt	0.000005	0.000054	µg/m ³	V0
Nickel	0.000015	0.000302	µg/m ³	V0
Copper	0.000027	0.000099	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000024	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000137	µg/m ³	V0
Strontium	0.000012	0.000237	µg/m ³	V0
Niobium	0.000006	0.000049	µg/m ³	V0
Molybdenum	0.000025	0.000060	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000107	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000900	µg/m ³	V0
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000072	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000031	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000287	µg/m ³	V0
Tungsten	0.000005	0.000089	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000046	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220502414
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.9	°C	
Pressure		709.8	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004366	µg/m ³	V0
Magnesium	0.000279	0.016395	µg/m ³	V0
Aluminum	0.002800	0.052245	µg/m ³	V0
Silicon	0.010200	0.180566	µg/m ³	V0
Phosphorus	0.003480	0.049031	µg/m ³	V0
Potassium	0.000402	0.052274	µg/m ³	V0
Calcium	0.013042	0.061034	µg/m ³	V0
Titanium	0.000031	0.002149	µg/m ³	V0
Vanadium	0.000018	0.000179	µg/m ³	V0
Chromium	0.000045	0.000981	µg/m ³	V0
Manganese	0.000028	0.000974	µg/m ³	V0
Iron	0.001585	0.041183	µg/m ³	V0
Cobalt	0.000005	0.000050	µg/m ³	V0
Nickel	0.000015	0.000332	µg/m ³	V0
Copper	0.000027	0.000201	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000025	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000126	µg/m ³	V0
Strontium	0.000012	0.000210	µg/m ³	V0
Niobium	0.000006	0.000046	µg/m ³	V0
Molybdenum	0.000025	0.000068	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000050	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000563	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000059	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000025	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000246	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000056	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502422	
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		729.7	mmHg	
Particulate Matter	0.042	16.958	µg/m ³	V0
Lithium	0.000016	0.000862	µg/m ³	V0
Beryllium	0.000013	0.000032	µg/m ³	V0
Sodium	0.000777	0.061133	µg/m ³	V0
Magnesium	0.000279	0.108835	µg/m ³	V0
Aluminum	0.002800	0.743678	µg/m ³	V0
Silicon	0.010200	1.433171	µg/m ³	V0
Phosphorus	0.003480	0.063092	µg/m ³	V0
Potassium	0.000402	0.234284	µg/m ³	V0
Calcium	0.013042	0.414334	µg/m ³	V0
Titanium	0.000031	0.033086	µg/m ³	V0
Vanadium	0.000018	0.002719	µg/m ³	V0
Chromium	0.000045	0.001342	µg/m ³	V0
Manganese	0.000028	0.010961	µg/m ³	V0
Iron	0.001585	0.717650	µg/m ³	V0
Cobalt	0.000005	0.000507	µg/m ³	V0
Nickel	0.000015	0.000843	µg/m ³	V0
Copper	0.000027	0.000527	µg/m ³	V0
Zinc	0.000149	0.002171	µg/m ³	V0
Arsenic	0.000005	0.000233	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001231	µg/m ³	V0
Strontium	0.000012	0.002213	µg/m ³	V0
Niobium	0.000006	0.000120	µg/m ³	V0
Molybdenum	0.000025	0.000089	µg/m ³	V0
Palladium	0.000050	0.000056	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	0.000060	µg/m ³	V0
Barium	0.000054	0.008674	µg/m ³	V0
Lanthanum	0.000004	0.000447	µg/m ³	V0
Cerium	0.000013	0.000985	µg/m ³	V0
Praseodymium	0.000002	0.000117	µg/m ³	V0
Neodymium	0.000005	0.000447	µg/m ³	V0
Samarium	0.000006	0.000087	µg/m ³	V0
Tantalum	0.000003	0.000182	µg/m ³	V0
Tungsten	0.000005	0.000166	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000412	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000154	µg/m ³	V0
Uranium	0.000003	0.000034	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220502437
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		731.1	mmHg	
Particulate Matter	0.042	17.792	µg/m ³	V0
Lithium	0.000016	0.001069	µg/m ³	V0
Beryllium	0.000013	0.000033	µg/m ³	V0
Sodium	0.000777	0.059663	µg/m ³	V0
Magnesium	0.000279	0.131559	µg/m ³	V0
Aluminum	0.002800	0.865468	µg/m ³	V0
Silicon	0.010200	1.831751	µg/m ³	V0
Phosphorus	0.003480	0.061960	µg/m ³	V0
Potassium	0.000402	0.274688	µg/m ³	V0
Calcium	0.013042	0.896035	µg/m ³	V0
Titanium	0.000031	0.030468	µg/m ³	V0
Vanadium	0.000018	0.002813	µg/m ³	V0
Chromium	0.000045	0.001461	µg/m ³	V0
Manganese	0.000028	0.010356	µg/m ³	V0
Iron	0.001585	0.515826	µg/m ³	V0
Cobalt	0.000005	0.000503	µg/m ³	V0
Nickel	0.000015	0.001030	µg/m ³	V0
Copper	0.000027	0.006216	µg/m ³	V0
Zinc	0.000149	0.006869	µg/m ³	V0
Arsenic	0.000005	0.000153	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001430	µg/m ³	V0
Strontium	0.000012	0.003181	µg/m ³	V0
Niobium	0.000006	0.000136	µg/m ³	V0
Molybdenum	0.000025	0.000229	µg/m ³	V0
Palladium	0.000050	0.000056	µg/m ³	V0
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000254	µg/m ³	V0
Antimony	0.000016	0.000374	µg/m ³	V0
Cesium	0.000004	0.000072	µg/m ³	V0
Barium	0.000054	0.009785	µg/m ³	V0
Lanthanum	0.000004	0.000476	µg/m ³	V0
Cerium	0.000013	0.001085	µg/m ³	V0
Praseodymium	0.000002	0.000125	µg/m ³	V0
Neodymium	0.000005	0.000492	µg/m ³	V0
Samarium	0.000006	0.000093	µg/m ³	V0
Tantalum	0.000003	0.000241	µg/m ³	V0
Tungsten	0.000005	0.000383	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000584	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000140	µg/m ³	V0
Uranium	0.000003	0.000034	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 220502444
Start Date:	2022-05-29 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-05-30 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		721.3	mmHg	
Particulate Matter	0.042	16.542	µg/m ³	V0
Lithium	0.000016	0.000831	µg/m ³	V0
Beryllium	0.000013	0.000024	µg/m ³	V0
Sodium	0.000777	0.041711	µg/m ³	V0
Magnesium	0.000279	0.097777	µg/m ³	V0
Aluminum	0.002800	0.569803	µg/m ³	V0
Silicon	0.010200	1.081720	µg/m ³	V0
Phosphorus	0.003480	0.047145	µg/m ³	V0
Potassium	0.000402	0.180291	µg/m ³	V0
Calcium	0.013042	0.503112	µg/m ³	V0
Titanium	0.000031	0.023971	µg/m ³	V0
Vanadium	0.000018	0.003657	µg/m ³	V0
Chromium	0.000045	0.001427	µg/m ³	V0
Manganese	0.000028	0.007468	µg/m ³	V0
Iron	0.001585	0.451595	µg/m ³	V0
Cobalt	0.000005	0.000426	µg/m ³	V0
Nickel	0.000015	0.001116	µg/m ³	V0
Copper	0.000027	0.001315	µg/m ³	V0
Zinc	0.000149	0.002548	µg/m ³	V0
Arsenic	0.000005	0.000268	µg/m ³	V0
Selenium	0.000133	0.000163	µg/m ³	V0
Rubidium	0.000003	0.000945	µg/m ³	V0
Strontium	0.000012	0.002136	µg/m ³	V0
Niobium	0.000006	0.000116	µg/m ³	V0
Molybdenum	0.000025	0.000265	µg/m ³	V0
Palladium	0.000050	0.000170	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000276	µg/m ³	V0
Antimony	0.000016	0.000236	µg/m ³	V0
Cesium	0.000004	0.000058	µg/m ³	V0
Barium	0.000054	0.007133	µg/m ³	V0
Lanthanum	0.000004	0.000378	µg/m ³	V0
Cerium	0.000013	0.000840	µg/m ³	V0
Praseodymium	0.000002	0.000100	µg/m ³	V0
Neodymium	0.000005	0.000385	µg/m ³	V0
Samarium	0.000006	0.000076	µg/m ³	V0
Tantalum	0.000003	0.000250	µg/m ³	V0
Tungsten	0.000005	0.000393	µg/m ³	V0
Platinum	0.000004	0.000012	µg/m ³	V0
Thallium	0.000005	0.000050	µg/m ³	V0
Lead	0.000018	0.000315	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000110	µg/m ³	V0
Uranium	0.000003	0.000028	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502453
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.3	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	2.667	µg/m ³	V0
Lithium	0.000016	0.000033	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007725	µg/m ³	V0
Magnesium	0.000279	0.005922	µg/m ³	V0
Aluminum	0.002800	0.014414	µg/m ³	V0
Silicon	0.010200	0.060625	µg/m ³	V0
Phosphorus	0.003480	0.029541	µg/m ³	V0
Potassium	0.000402	0.019202	µg/m ³	V0
Calcium	0.013042	0.024242	µg/m ³	V0
Titanium	0.000031	0.000905	µg/m ³	V0
Vanadium	0.000018	0.000101	µg/m ³	V0
Chromium	0.000045	0.001915	µg/m ³	V0
Manganese	0.000028	0.000416	µg/m ³	V0
Iron	0.001585	0.022623	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000384	µg/m ³	V0
Copper	0.000027	0.000102	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000016	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000038	µg/m ³	V0
Strontium	0.000012	0.000094	µg/m ³	V0
Niobium	0.000006	0.000064	µg/m ³	V0
Molybdenum	0.000025	0.000075	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000102	µg/m ³	V0
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000174	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000389	µg/m ³	V0
Tungsten	0.000005	0.000075	µg/m ³	V0
Platinum	0.000004	0.000013	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000060	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220602566
Start Date:	2022-06-03 11:25	End Date:	2022-06-03 11:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Lithium	0.000016	0.000043	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003890	µg/m ³	V0
Aluminum	0.002800	0.008778	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.011005	µg/m ³	V0
Potassium	0.000402	0.011180	µg/m ³	V0
Calcium	0.013042	0.014517	µg/m ³	V0
Titanium	0.000031	0.000392	µg/m ³	V0
Vanadium	0.000018	0.000025	µg/m ³	V0
Chromium	0.000045	0.000446	µg/m ³	V0
Manganese	0.000028	0.000068	µg/m ³	V0
Iron	0.001585	0.005164	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000258	µg/m ³	V0
Copper	0.000027	0.000134	µg/m ³	V0
Zinc	0.000149	0.001106	µg/m ³	V0
Arsenic	0.000005	0.000014	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000006	µg/m ³	V0
Strontium	0.000012	0.000030	µg/m ³	V0
Niobium	0.000006	0.000060	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000110	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000091	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000068	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000287	µg/m ³	V0
Tungsten	0.000005	0.000111	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000037	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220502508
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		732.7	mmHg	
Particulate Matter	0.042	114.333	µg/m ³	V4
Lithium	0.000016	0.006075	µg/m ³	V4
Beryllium	0.000013	0.000172	µg/m ³	V0
Sodium	0.000777	0.345889	µg/m ³	V0
Magnesium	0.000279	0.724370	µg/m ³	V0
Aluminum	0.002800	3.560174	µg/m ³	V0
Silicon	0.010200	1.699312	µg/m ³	V0
Phosphorus	0.003480	0.058186	µg/m ³	V0
Potassium	0.000402	1.191022	µg/m ³	V4
Calcium	0.013042	3.366684	µg/m ³	V0
Titanium	0.000031	0.192815	µg/m ³	V0
Vanadium	0.000018	0.018328	µg/m ³	V0
Chromium	0.000045	0.005006	µg/m ³	V0
Manganese	0.000028	0.069067	µg/m ³	V0
Iron	0.001585	2.760507	µg/m ³	V0
Cobalt	0.000005	0.002800	µg/m ³	V4
Nickel	0.000015	0.003167	µg/m ³	V0
Copper	0.000027	0.003102	µg/m ³	V0
Zinc	0.000149	0.007491	µg/m ³	V0
Arsenic	0.000005	0.000823	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.007172	µg/m ³	V4
Strontium	0.000012	0.019080	µg/m ³	V4
Niobium	0.000006	0.000778	µg/m ³	V0
Molybdenum	0.000025	0.000485	µg/m ³	V0
Palladium	0.000050	0.000300	µg/m ³	V0
Silver	0.000006	0.000038	µg/m ³	V0
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000263	µg/m ³	V0
Antimony	0.000016	0.000107	µg/m ³	V0
Cesium	0.000004	0.000451	µg/m ³	V4
Barium	0.000054	0.036947	µg/m ³	V0
Lanthanum	0.000004	0.002917	µg/m ³	V4
Cerium	0.000013	0.006411	µg/m ³	V4
Praseodymium	0.000002	0.000764	µg/m ³	V4
Neodymium	0.000005	0.002981	µg/m ³	V4
Samarium	0.000006	0.000539	µg/m ³	V4
Tantalum	0.000003	0.000200	µg/m ³	V0
Tungsten	0.000005	0.000507	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000074	µg/m ³	V0
Lead	0.000018	0.002284	µg/m ³	V0
Bismuth	0.000004	0.000039	µg/m ³	V0
Thorium	0.000002	0.000929	µg/m ³	V0
Uranium	0.000003	0.000272	µg/m ³	V4



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort Chipewyan	Loc ID:	FTCH
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00
		Set Index:	1
		WBEA ID:	220602514
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.4	°C	
Pressure		737.2	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Lithium	0.000016	0.000161	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.041336	µg/m ³	V0
Magnesium	0.000279	0.057467	µg/m ³	V0
Aluminum	0.002800	0.165351	µg/m ³	V0
Silicon	0.010200	0.546055	µg/m ³	V0
Phosphorus	0.003480	0.024209	µg/m ³	V0
Potassium	0.000402	0.081297	µg/m ³	V0
Calcium	0.013042	0.078568	µg/m ³	V0
Titanium	0.000031	0.010760	µg/m ³	V0
Vanadium	0.000018	0.000491	µg/m ³	V0
Chromium	0.000045	0.001714	µg/m ³	V0
Manganese	0.000028	0.002222	µg/m ³	V0
Iron	0.001585	0.113573	µg/m ³	V0
Cobalt	0.000005	0.000094	µg/m ³	V0
Nickel	0.000015	0.000382	µg/m ³	V0
Copper	0.000027	0.001823	µg/m ³	V0
Zinc	0.000149	0.002548	µg/m ³	V0
Arsenic	0.000005	0.000118	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000333	µg/m ³	V0
Strontium	0.000012	0.000877	µg/m ³	V0
Niobium	0.000006	0.000098	µg/m ³	V0
Molybdenum	0.000025	0.000195	µg/m ³	V0
Palladium	0.000050	0.000058	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000170	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.003358	µg/m ³	V0
Lanthanum	0.000004	0.000232	µg/m ³	V0
Cerium	0.000013	0.000461	µg/m ³	V0
Praseodymium	0.000002	0.000052	µg/m ³	V0
Neodymium	0.000005	0.000183	µg/m ³	V0
Samarium	0.000006	0.000028	µg/m ³	V0
Tantalum	0.000003	0.000310	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.000283	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000115	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602522
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.9	°C	
Pressure		734.0	mmHg	
Particulate Matter	0.042	33.625	µg/m ³	V0
Lithium	0.000016	0.001446	µg/m ³	V0
Beryllium	0.000013	0.000054	µg/m ³	V0
Sodium	0.000777	0.303916	µg/m ³	V0
Magnesium	0.000279	0.203831	µg/m ³	V0
Aluminum	0.002800	1.204280	µg/m ³	V0
Silicon	0.010200	2.111966	µg/m ³	V0
Phosphorus	0.003480	0.027143	µg/m ³	V0
Potassium	0.000402	0.330775	µg/m ³	V0
Calcium	0.013042	1.401996	µg/m ³	V0
Titanium	0.000031	0.048490	µg/m ³	V0
Vanadium	0.000018	0.005133	µg/m ³	V0
Chromium	0.000045	0.001723	µg/m ³	V0
Manganese	0.000028	0.010678	µg/m ³	V0
Iron	0.001585	0.656264	µg/m ³	V0
Cobalt	0.000005	0.000682	µg/m ³	V0
Nickel	0.000015	0.001060	µg/m ³	V0
Copper	0.000027	0.001653	µg/m ³	V0
Zinc	0.000149	0.003121	µg/m ³	V0
Arsenic	0.000005	0.000441	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002037	µg/m ³	V0
Strontium	0.000012	0.005271	µg/m ³	V0
Niobium	0.000006	0.000204	µg/m ³	V0
Molybdenum	0.000025	0.000213	µg/m ³	V0
Palladium	0.000050	0.000281	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000126	µg/m ³	V0
Antimony	0.000016	0.000080	µg/m ³	V0
Cesium	0.000004	0.000135	µg/m ³	V0
Barium	0.000054	0.011338	µg/m ³	V0
Lanthanum	0.000004	0.000675	µg/m ³	V0
Cerium	0.000013	0.001470	µg/m ³	V0
Praseodymium	0.000002	0.000181	µg/m ³	V0
Neodymium	0.000005	0.000688	µg/m ³	V0
Samarium	0.000006	0.000138	µg/m ³	V0
Tantalum	0.000003	0.000504	µg/m ³	V0
Tungsten	0.000005	0.000162	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000104	µg/m ³	V0
Lead	0.000018	0.000669	µg/m ³	V0
Bismuth	0.000004	0.000069	µg/m ³	V0
Thorium	0.000002	0.000971	µg/m ³	V0
Uranium	0.000003	0.000065	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602525
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	21.917	µg/m ³	V0
Lithium	0.000016	0.000844	µg/m ³	V0
Beryllium	0.000013	0.000030	µg/m ³	V0
Sodium	0.000777	0.165955	µg/m ³	V0
Magnesium	0.000279	0.106759	µg/m ³	V0
Aluminum	0.002800	0.647881	µg/m ³	V0
Silicon	0.010200	2.158291	µg/m ³	V0
Phosphorus	0.003480	0.029014	µg/m ³	V0
Potassium	0.000402	0.216747	µg/m ³	V0
Calcium	0.013042	0.776712	µg/m ³	V0
Titanium	0.000031	0.029778	µg/m ³	V0
Vanadium	0.000018	0.002546	µg/m ³	V0
Chromium	0.000045	0.001013	µg/m ³	V0
Manganese	0.000028	0.005455	µg/m ³	V0
Iron	0.001585	0.321119	µg/m ³	V0
Cobalt	0.000005	0.000362	µg/m ³	V0
Nickel	0.000015	0.000542	µg/m ³	V0
Copper	0.000027	0.001633	µg/m ³	V0
Zinc	0.000149	0.001432	µg/m ³	V0
Arsenic	0.000005	0.000099	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001134	µg/m ³	V0
Strontium	0.000012	0.002650	µg/m ³	V0
Niobium	0.000006	0.000131	µg/m ³	V0
Molybdenum	0.000025	0.000110	µg/m ³	V0
Palladium	0.000050	0.000066	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000139	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	0.000074	µg/m ³	V0
Barium	0.000054	0.005914	µg/m ³	V0
Lanthanum	0.000004	0.000365	µg/m ³	V0
Cerium	0.000013	0.000793	µg/m ³	V0
Praseodymium	0.000002	0.000096	µg/m ³	V0
Neodymium	0.000005	0.000375	µg/m ³	V0
Samarium	0.000006	0.000069	µg/m ³	V0
Tantalum	0.000003	0.000240	µg/m ³	V0
Tungsten	0.000005	0.000069	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000443	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000131	µg/m ³	V0
Uranium	0.000003	0.000032	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602530
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		23.0	°C	
Pressure		734.1	mmHg	
Particulate Matter	0.042	29.375	µg/m ³	V0
Lithium	0.000016	0.001297	µg/m ³	V0
Beryllium	0.000013	0.000054	µg/m ³	V0
Sodium	0.000777	0.247055	µg/m ³	V0
Magnesium	0.000279	0.172259	µg/m ³	V0
Aluminum	0.002800	0.857846	µg/m ³	V0
Silicon	0.010200	1.431412	µg/m ³	V0
Phosphorus	0.003480	0.030339	µg/m ³	V0
Potassium	0.000402	0.306773	µg/m ³	V0
Calcium	0.013042	2.189893	µg/m ³	V0
Titanium	0.000031	0.038768	µg/m ³	V0
Vanadium	0.000018	0.003390	µg/m ³	V0
Chromium	0.000045	0.001393	µg/m ³	V0
Manganese	0.000028	0.008967	µg/m ³	V0
Iron	0.001585	0.490354	µg/m ³	V0
Cobalt	0.000005	0.000541	µg/m ³	V0
Nickel	0.000015	0.000949	µg/m ³	V0
Copper	0.000027	0.001738	µg/m ³	V0
Zinc	0.000149	0.001953	µg/m ³	V0
Arsenic	0.000005	0.000566	µg/m ³	V0
Selenium	0.000133	0.000163	µg/m ³	V0
Rubidium	0.000003	0.001814	µg/m ³	V0
Strontium	0.000012	0.005606	µg/m ³	V0
Niobium	0.000006	0.000206	µg/m ³	V0
Molybdenum	0.000025	0.000174	µg/m ³	V0
Palladium	0.000050	0.000498	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000042	µg/m ³	V0
Tin	0.000008	0.000177	µg/m ³	V0
Antimony	0.000016	0.000111	µg/m ³	V0
Cesium	0.000004	0.000157	µg/m ³	V0
Barium	0.000054	0.008741	µg/m ³	V0
Lanthanum	0.000004	0.000566	µg/m ³	V0
Cerium	0.000013	0.001183	µg/m ³	V0
Praseodymium	0.000002	0.000168	µg/m ³	V0
Neodymium	0.000005	0.000571	µg/m ³	V0
Samarium	0.000006	0.000126	µg/m ³	V0
Tantalum	0.000003	0.000529	µg/m ³	V0
Tungsten	0.000005	0.000151	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000288	µg/m ³	V0
Lead	0.000018	0.000632	µg/m ³	V0
Bismuth	0.000004	0.000126	µg/m ³	V0
Thorium	0.000002	0.002524	µg/m ³	V4
Uranium	0.000003	0.000116	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602550
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		735.6	mmHg	
Particulate Matter	0.042	13.167	µg/m ³	V0
Lithium	0.000016	0.000371	µg/m ³	V0
Beryllium	0.000013	0.000016	µg/m ³	V0
Sodium	0.000777	0.056741	µg/m ³	V0
Magnesium	0.000279	0.136560	µg/m ³	V0
Aluminum	0.002800	0.330079	µg/m ³	V0
Silicon	0.010200	0.822740	µg/m ³	V0
Phosphorus	0.003480	0.031188	µg/m ³	V0
Potassium	0.000402	0.126970	µg/m ³	V0
Calcium	0.013042	0.567849	µg/m ³	V0
Titanium	0.000031	0.016466	µg/m ³	V0
Vanadium	0.000018	0.001385	µg/m ³	V0
Chromium	0.000045	0.001162	µg/m ³	V0
Manganese	0.000028	0.008346	µg/m ³	V0
Iron	0.001585	0.456613	µg/m ³	V0
Cobalt	0.000005	0.000384	µg/m ³	V0
Nickel	0.000015	0.000595	µg/m ³	V0
Copper	0.000027	0.001785	µg/m ³	V0
Zinc	0.000149	0.008668	µg/m ³	V0
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000557	µg/m ³	V0
Strontium	0.000012	0.001955	µg/m ³	V0
Niobium	0.000006	0.000110	µg/m ³	V0
Molybdenum	0.000025	0.000134	µg/m ³	V0
Palladium	0.000050	0.000060	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000403	µg/m ³	V0
Antimony	0.000016	0.000428	µg/m ³	V0
Cesium	0.000004	0.000029	µg/m ³	V0
Barium	0.000054	0.008473	µg/m ³	V0
Lanthanum	0.000004	0.000254	µg/m ³	V0
Cerium	0.000013	0.000543	µg/m ³	V0
Praseodymium	0.000002	0.000063	µg/m ³	V0
Neodymium	0.000005	0.000240	µg/m ³	V0
Samarium	0.000006	0.000046	µg/m ³	V0
Tantalum	0.000003	0.000306	µg/m ³	V0
Tungsten	0.000005	0.000654	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000465	µg/m ³	V0
Bismuth	0.000004	0.000059	µg/m ³	V0
Thorium	0.000002	0.000093	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602559
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.9	°C	
Pressure		726.1	mmHg	
Particulate Matter	0.042	14.750	µg/m ³	V0
Lithium	0.000016	0.000318	µg/m ³	V0
Beryllium	0.000013	0.000017	µg/m ³	V0
Sodium	0.000777	0.045334	µg/m ³	V0
Magnesium	0.000279	0.094978	µg/m ³	V0
Aluminum	0.002800	0.229567	µg/m ³	V0
Silicon	0.010200	1.088762	µg/m ³	V0
Phosphorus	0.003480	0.022960	µg/m ³	V0
Potassium	0.000402	0.115384	µg/m ³	V0
Calcium	0.013042	0.402735	µg/m ³	V0
Titanium	0.000031	0.012326	µg/m ³	V0
Vanadium	0.000018	0.000972	µg/m ³	V0
Chromium	0.000045	0.001569	µg/m ³	V0
Manganese	0.000028	0.004883	µg/m ³	V0
Iron	0.001585	0.267285	µg/m ³	V0
Cobalt	0.000005	0.000226	µg/m ³	V0
Nickel	0.000015	0.000347	µg/m ³	V0
Copper	0.000027	0.001185	µg/m ³	V0
Zinc	0.000149	0.005564	µg/m ³	V0
Arsenic	0.000005	0.000624	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000452	µg/m ³	V0
Strontium	0.000012	0.001380	µg/m ³	V0
Niobium	0.000006	0.000110	µg/m ³	V0
Molybdenum	0.000025	0.000097	µg/m ³	V0
Palladium	0.000050	0.000190	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.000310	µg/m ³	V0
Antimony	0.000016	0.000232	µg/m ³	V0
Cesium	0.000004	0.000029	µg/m ³	V0
Barium	0.000054	0.004853	µg/m ³	V0
Lanthanum	0.000004	0.000174	µg/m ³	V0
Cerium	0.000013	0.000377	µg/m ³	V0
Praseodymium	0.000002	0.000044	µg/m ³	V0
Neodymium	0.000005	0.000154	µg/m ³	V0
Samarium	0.000006	0.000030	µg/m ³	V0
Tantalum	0.000003	0.000326	µg/m ³	V0
Tungsten	0.000005	0.000350	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000070	µg/m ³	V0
Lead	0.000018	0.000414	µg/m ³	V0
Bismuth	0.000004	0.000088	µg/m ³	V0
Thorium	0.000002	0.000206	µg/m ³	V0
Uranium	0.000003	0.000022	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602568
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		717.0	mmHg	
Particulate Matter	0.042	7.083	µg/m ³	V0
Lithium	0.000016	0.000121	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013566	µg/m ³	V0
Magnesium	0.000279	0.035532	µg/m ³	V0
Aluminum	0.002800	0.100826	µg/m ³	V0
Silicon	0.010200	0.694355	µg/m ³	V0
Phosphorus	0.003480	0.025583	µg/m ³	V0
Potassium	0.000402	0.041357	µg/m ³	V0
Calcium	0.013042	0.093926	µg/m ³	V0
Titanium	0.000031	0.004287	µg/m ³	V0
Vanadium	0.000018	0.000308	µg/m ³	V0
Chromium	0.000045	0.000793	µg/m ³	V0
Manganese	0.000028	0.001898	µg/m ³	V0
Iron	0.001585	0.077586	µg/m ³	V0
Cobalt	0.000005	0.000076	µg/m ³	V0
Nickel	0.000015	0.000371	µg/m ³	V0
Copper	0.000027	0.000374	µg/m ³	V0
Zinc	0.000149	0.000912	µg/m ³	V0
Arsenic	0.000005	0.000044	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000175	µg/m ³	V0
Strontium	0.000012	0.000455	µg/m ³	V0
Niobium	0.000006	0.000079	µg/m ³	V0
Molybdenum	0.000025	0.000046	µg/m ³	V0
Palladium	0.000050	0.000090	µg/m ³	V0
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000177	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001561	µg/m ³	V0
Lanthanum	0.000004	0.000073	µg/m ³	V0
Cerium	0.000013	0.000166	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000067	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000314	µg/m ³	V0
Tungsten	0.000005	0.000091	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000029	µg/m ³	V0
Lead	0.000018	0.000142	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000060	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00
		Set Index:	1
		WBEA ID:	220602575
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		715.2	mmHg	
Particulate Matter	0.042	7.250	µg/m ³	V0
Lithium	0.000016	0.000102	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016420	µg/m ³	V0
Magnesium	0.000279	0.040431	µg/m ³	V0
Aluminum	0.002800	0.082911	µg/m ³	V0
Silicon	0.010200	0.582861	µg/m ³	V0
Phosphorus	0.003480	0.017429	µg/m ³	V0
Potassium	0.000402	0.037684	µg/m ³	V0
Calcium	0.013042	0.150682	µg/m ³	V0
Titanium	0.000031	0.003431	µg/m ³	V0
Vanadium	0.000018	0.000428	µg/m ³	V0
Chromium	0.000045	0.002612	µg/m ³	V0
Manganese	0.000028	0.002083	µg/m ³	V0
Iron	0.001585	0.100133	µg/m ³	V0
Cobalt	0.000005	0.000072	µg/m ³	V0
Nickel	0.000015	0.000285	µg/m ³	V0
Copper	0.000027	0.000106	µg/m ³	V0
Zinc	0.000149	0.000588	µg/m ³	V0
Arsenic	0.000005	0.000024	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000146	µg/m ³	V0
Strontium	0.000012	0.000451	µg/m ³	V0
Niobium	0.000006	0.000061	µg/m ³	V0
Molybdenum	0.000025	0.000167	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000066	µg/m ³	V0
Antimony	0.000016	0.000019	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.001137	µg/m ³	V0
Lanthanum	0.000004	0.000067	µg/m ³	V0
Cerium	0.000013	0.000141	µg/m ³	V0
Praseodymium	0.000002	0.000017	µg/m ³	V0
Neodymium	0.000005	0.000064	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.000267	µg/m ³	V0
Tungsten	0.000005	0.000085	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000110	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000028	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602581
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.5	°C	
Pressure		708.4	mmHg	
Particulate Matter	0.042	22.625	µg/m ³	V0
Lithium	0.000016	0.000619	µg/m ³	V0
Beryllium	0.000013	0.000024	µg/m ³	V0
Sodium	0.000777	0.148071	µg/m ³	V0
Magnesium	0.000279	0.247456	µg/m ³	V0
Aluminum	0.002800	0.572219	µg/m ³	V0
Silicon	0.010200	1.573440	µg/m ³	V0
Phosphorus	0.003480	0.039300	µg/m ³	V0
Potassium	0.000402	0.242493	µg/m ³	V0
Calcium	0.013042	0.740107	µg/m ³	V0
Titanium	0.000031	0.028587	µg/m ³	V0
Vanadium	0.000018	0.002409	µg/m ³	V0
Chromium	0.000045	0.001091	µg/m ³	V0
Manganese	0.000028	0.014367	µg/m ³	V0
Iron	0.001585	0.642277	µg/m ³	V0
Cobalt	0.000005	0.000446	µg/m ³	V0
Nickel	0.000015	0.000757	µg/m ³	V0
Copper	0.000027	0.000813	µg/m ³	V0
Zinc	0.000149	0.002717	µg/m ³	V0
Arsenic	0.000005	0.000148	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001138	µg/m ³	V0
Strontium	0.000012	0.003081	µg/m ³	V0
Niobium	0.000006	0.000148	µg/m ³	V0
Molybdenum	0.000025	0.000066	µg/m ³	V0
Palladium	0.000050	0.000099	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000137	µg/m ³	V0
Antimony	0.000016	0.001294	µg/m ³	V0
Cesium	0.000004	0.000049	µg/m ³	V0
Barium	0.000054	0.009250	µg/m ³	V0
Lanthanum	0.000004	0.000541	µg/m ³	V0
Cerium	0.000013	0.001147	µg/m ³	V0
Praseodymium	0.000002	0.000132	µg/m ³	V0
Neodymium	0.000005	0.000494	µg/m ³	V0
Samarium	0.000006	0.000088	µg/m ³	V0
Tantalum	0.000003	0.000295	µg/m ³	V0
Tungsten	0.000005	0.000385	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000029	µg/m ³	V0
Lead	0.000018	0.000530	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000256	µg/m ³	V0
Uranium	0.000003	0.000037	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220602642
Start Date:	2022-06-09 12:35	End Date:	2022-06-09 12:36	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Lithium	0.000016	0.000030	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003427	µg/m ³	V0
Aluminum	0.002800	0.011053	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.008517	µg/m ³	V0
Potassium	0.000402	0.007810	µg/m ³	V0
Calcium	0.013042	0.026131	µg/m ³	V0
Titanium	0.000031	0.000301	µg/m ³	V0
Vanadium	0.000018	0.000031	µg/m ³	V0
Chromium	0.000045	0.000608	µg/m ³	V0
Manganese	0.000028	0.000070	µg/m ³	V0
Iron	0.001585	0.006924	µg/m ³	V0
Cobalt	0.000005	0.000014	µg/m ³	V0
Nickel	0.000015	0.000238	µg/m ³	V0
Copper	0.000027	0.000428	µg/m ³	V0
Zinc	0.000149	0.000990	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000005	µg/m ³	V0
Strontium	0.000012	0.000033	µg/m ³	V0
Niobium	0.000006	0.000038	µg/m ³	V0
Molybdenum	0.000025	0.000035	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000038	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000118	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000219	µg/m ³	V0
Tungsten	0.000005	0.000032	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000045	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602593
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		703.3	mmHg	
Particulate Matter	0.042	5.583	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005191	µg/m ³	V0
Magnesium	0.000279	0.020481	µg/m ³	V0
Aluminum	0.002800	0.041151	µg/m ³	V0
Silicon	0.010200	0.127379	µg/m ³	V0
Phosphorus	0.003480	0.035963	µg/m ³	V0
Potassium	0.000402	0.034894	µg/m ³	V0
Calcium	0.013042	0.044224	µg/m ³	V0
Titanium	0.000031	0.001650	µg/m ³	V0
Vanadium	0.000018	0.000410	µg/m ³	V0
Chromium	0.000045	0.001339	µg/m ³	V0
Manganese	0.000028	0.001435	µg/m ³	V0
Iron	0.001585	0.115906	µg/m ³	V0
Cobalt	0.000005	0.000052	µg/m ³	V0
Nickel	0.000015	0.000327	µg/m ³	V0
Copper	0.000027	0.000252	µg/m ³	V0
Zinc	0.000149	0.000353	µg/m ³	V0
Arsenic	0.000005	0.000128	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000074	µg/m ³	V0
Strontium	0.000012	0.000194	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000108	µg/m ³	V0
Palladium	0.000050	0.000104	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000092	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000661	µg/m ³	V0
Lanthanum	0.000004	0.000035	µg/m ³	V0
Cerium	0.000013	0.000055	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000025	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000259	µg/m ³	V0
Tungsten	0.000005	0.000048	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000025	µg/m ³	V0
Lead	0.000018	0.000102	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000039	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602599
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.5	°C	
Pressure		711.0	mmHg	
Particulate Matter	0.042	7.417	µg/m ³	V0
Lithium	0.000016	0.000048	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006072	µg/m ³	V0
Magnesium	0.000279	0.024781	µg/m ³	V0
Aluminum	0.002800	0.060353	µg/m ³	V0
Silicon	0.010200	0.207655	µg/m ³	V0
Phosphorus	0.003480	0.025746	µg/m ³	V0
Potassium	0.000402	0.041598	µg/m ³	V0
Calcium	0.013042	0.053742	µg/m ³	V0
Titanium	0.000031	0.002532	µg/m ³	V0
Vanadium	0.000018	0.000172	µg/m ³	V0
Chromium	0.000045	0.000689	µg/m ³	V0
Manganese	0.000028	0.001204	µg/m ³	V0
Iron	0.001585	0.039428	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000270	µg/m ³	V0
Copper	0.000027	0.000214	µg/m ³	V0
Zinc	0.000149	0.001264	µg/m ³	V0
Arsenic	0.000005	0.000043	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000101	µg/m ³	V0
Strontium	0.000012	0.000245	µg/m ³	V0
Niobium	0.000006	0.000061	µg/m ³	V0
Molybdenum	0.000025	0.000052	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000067	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001043	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000061	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000028	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000291	µg/m ³	V0
Tungsten	0.000005	0.000066	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000136	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602605
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		726.6	mmHg	
Particulate Matter	0.042	22.000	µg/m ³	V0
Lithium	0.000016	0.001007	µg/m ³	V0
Beryllium	0.000013	0.000030	µg/m ³	V0
Sodium	0.000777	0.060968	µg/m ³	V0
Magnesium	0.000279	0.160830	µg/m ³	V0
Aluminum	0.002800	0.731503	µg/m ³	V0
Silicon	0.010200	1.036561	µg/m ³	V0
Phosphorus	0.003480	0.041280	µg/m ³	V0
Potassium	0.000402	0.219166	µg/m ³	V0
Calcium	0.013042	0.687850	µg/m ³	V0
Titanium	0.000031	0.035095	µg/m ³	V0
Vanadium	0.000018	0.003152	µg/m ³	V0
Chromium	0.000045	0.001520	µg/m ³	V0
Manganese	0.000028	0.014515	µg/m ³	V0
Iron	0.001585	0.813211	µg/m ³	V0
Cobalt	0.000005	0.000463	µg/m ³	V0
Nickel	0.000015	0.000780	µg/m ³	V0
Copper	0.000027	0.002021	µg/m ³	V0
Zinc	0.000149	0.004370	µg/m ³	V0
Arsenic	0.000005	0.000193	µg/m ³	V0
Selenium	0.000133	0.000224	µg/m ³	V0
Rubidium	0.000003	0.001113	µg/m ³	V0
Strontium	0.000012	0.002790	µg/m ³	V0
Niobium	0.000006	0.000140	µg/m ³	V0
Molybdenum	0.000025	0.000192	µg/m ³	V0
Palladium	0.000050	0.000067	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000193	µg/m ³	V0
Antimony	0.000016	0.000070	µg/m ³	V0
Cesium	0.000004	0.000064	µg/m ³	V0
Barium	0.000054	0.008564	µg/m ³	V0
Lanthanum	0.000004	0.000492	µg/m ³	V0
Cerium	0.000013	0.001063	µg/m ³	V0
Praseodymium	0.000002	0.000127	µg/m ³	V0
Neodymium	0.000005	0.000480	µg/m ³	V0
Samarium	0.000006	0.000091	µg/m ³	V0
Tantalum	0.000003	0.000216	µg/m ³	V0
Tungsten	0.000005	0.000140	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.001254	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000171	µg/m ³	V0
Uranium	0.000003	0.000038	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602611
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		730.1	mmHg	
Particulate Matter	0.042	6.458	µg/m ³	V0
Lithium	0.000016	0.000065	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009521	µg/m ³	V0
Magnesium	0.000279	0.032341	µg/m ³	V0
Aluminum	0.002800	0.071421	µg/m ³	V0
Silicon	0.010200	0.300465	µg/m ³	V0
Phosphorus	0.003480	0.020942	µg/m ³	V0
Potassium	0.000402	0.038411	µg/m ³	V0
Calcium	0.013042	0.063138	µg/m ³	V0
Titanium	0.000031	0.002976	µg/m ³	V0
Vanadium	0.000018	0.000212	µg/m ³	V0
Chromium	0.000045	0.000668	µg/m ³	V0
Manganese	0.000028	0.001214	µg/m ³	V0
Iron	0.001585	0.042331	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000320	µg/m ³	V0
Copper	0.000027	0.000252	µg/m ³	V0
Zinc	0.000149	0.000917	µg/m ³	V0
Arsenic	0.000005	0.000011	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000117	µg/m ³	V0
Strontium	0.000012	0.000283	µg/m ³	V0
Niobium	0.000006	0.000054	µg/m ³	V0
Molybdenum	0.000025	0.000041	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000059	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.001047	µg/m ³	V0
Lanthanum	0.000004	0.000082	µg/m ³	V0
Cerium	0.000013	0.000235	µg/m ³	V0
Praseodymium	0.000002	0.000013	µg/m ³	V0
Neodymium	0.000005	0.000051	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000210	µg/m ³	V0
Tungsten	0.000005	0.000046	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000143	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602619
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		14.0	°C	
Pressure		708.7	mmHg	
Particulate Matter	0.042	7.046	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009210	µg/m ³	V0
Magnesium	0.000279	0.028511	µg/m ³	V0
Aluminum	0.002800	0.061284	µg/m ³	V0
Silicon	0.010200	0.189509	µg/m ³	V0
Phosphorus	0.003480	0.034587	µg/m ³	V0
Potassium	0.000402	0.048093	µg/m ³	V0
Calcium	0.013042	0.076974	µg/m ³	V0
Titanium	0.000031	0.001935	µg/m ³	V0
Vanadium	0.000018	0.000220	µg/m ³	V0
Chromium	0.000045	0.001143	µg/m ³	V0
Manganese	0.000028	0.001252	µg/m ³	V0
Iron	0.001585	0.041040	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000301	µg/m ³	V0
Copper	0.000027	0.000219	µg/m ³	V0
Zinc	0.000149	0.000971	µg/m ³	V0
Arsenic	0.000005	0.000042	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000103	µg/m ³	V0
Strontium	0.000012	0.000247	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000088	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000069	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.001045	µg/m ³	V0
Lanthanum	0.000004	0.000036	µg/m ³	V0
Cerium	0.000013	0.000063	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000029	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000269	µg/m ³	V0
Tungsten	0.000005	0.000053	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000096	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00
		Set Index:	1
		WBEA ID:	220602624
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		729.6	mmHg	
Particulate Matter	0.042	13.375	µg/m ³	V0
Lithium	0.000016	0.000099	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.041585	µg/m ³	V0
Magnesium	0.000279	0.045327	µg/m ³	V0
Aluminum	0.002800	0.071250	µg/m ³	V0
Silicon	0.010200	0.594978	µg/m ³	V0
Phosphorus	0.003480	0.025225	µg/m ³	V0
Potassium	0.000402	0.052243	µg/m ³	V0
Calcium	0.013042	0.150116	µg/m ³	V0
Titanium	0.000031	0.004161	µg/m ³	V0
Vanadium	0.000018	0.000320	µg/m ³	V0
Chromium	0.000045	0.000642	µg/m ³	V0
Manganese	0.000028	0.002011	µg/m ³	V0
Iron	0.001585	0.096636	µg/m ³	V0
Cobalt	0.000005	0.000093	µg/m ³	V0
Nickel	0.000015	0.000306	µg/m ³	V0
Copper	0.000027	0.000858	µg/m ³	V0
Zinc	0.000149	0.002844	µg/m ³	V0
Arsenic	0.000005	0.000025	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000134	µg/m ³	V0
Strontium	0.000012	0.000545	µg/m ³	V0
Niobium	0.000006	0.000052	µg/m ³	V0
Molybdenum	0.000025	0.000091	µg/m ³	V0
Palladium	0.000050	0.000050	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000258	µg/m ³	V0
Antimony	0.000016	0.000251	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.003571	µg/m ³	V0
Lanthanum	0.000004	0.000061	µg/m ³	V0
Cerium	0.000013	0.000132	µg/m ³	V0
Praseodymium	0.000002	0.000013	µg/m ³	V0
Neodymium	0.000005	0.000051	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000222	µg/m ³	V0
Tungsten	0.000005	0.000131	µg/m ³	V0
Platinum	0.000004	0.000007	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000132	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 220602632
Start Date:	2022-06-10 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-06-11 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		720.0	mmHg	
Particulate Matter	0.042	10.208	µg/m ³	V0
Lithium	0.000016	0.000171	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035786	µg/m ³	V0
Magnesium	0.000279	0.062864	µg/m ³	V0
Aluminum	0.002800	0.090156	µg/m ³	V0
Silicon	0.010200	0.396425	µg/m ³	V0
Phosphorus	0.003480	0.044582	µg/m ³	V0
Potassium	0.000402	0.074513	µg/m ³	V0
Calcium	0.013042	0.172365	µg/m ³	V0
Titanium	0.000031	0.005353	µg/m ³	V0
Vanadium	0.000018	0.000490	µg/m ³	V0
Chromium	0.000045	0.001986	µg/m ³	V0
Manganese	0.000028	0.002813	µg/m ³	V0
Iron	0.001585	0.118707	µg/m ³	V0
Cobalt	0.000005	0.000101	µg/m ³	V0
Nickel	0.000015	0.000460	µg/m ³	V0
Copper	0.000027	0.001017	µg/m ³	V0
Zinc	0.000149	0.002322	µg/m ³	V0
Arsenic	0.000005	0.000351	µg/m ³	V0
Selenium	0.000133	0.000281	µg/m ³	V0
Rubidium	0.000003	0.000201	µg/m ³	V0
Strontium	0.000012	0.000635	µg/m ³	V0
Niobium	0.000006	0.000078	µg/m ³	V0
Molybdenum	0.000025	0.000127	µg/m ³	V0
Palladium	0.000050	0.000242	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000247	µg/m ³	V0
Antimony	0.000016	0.000270	µg/m ³	V0
Cesium	0.000004	0.000020	µg/m ³	V0
Barium	0.000054	0.003330	µg/m ³	V0
Lanthanum	0.000004	0.000082	µg/m ³	V0
Cerium	0.000013	0.000160	µg/m ³	V0
Praseodymium	0.000002	0.000029	µg/m ³	V0
Neodymium	0.000005	0.000074	µg/m ³	V0
Samarium	0.000006	0.000023	µg/m ³	V0
Tantalum	0.000003	0.000497	µg/m ³	V0
Tungsten	0.000005	0.000158	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000100	µg/m ³	V0
Lead	0.000018	0.000380	µg/m ³	V0
Bismuth	0.000004	0.000077	µg/m ³	V0
Thorium	0.000002	0.000535	µg/m ³	V0
Uranium	0.000003	0.000021	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602646
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.0	°C	
Pressure		727.2	mmHg	
Particulate Matter	0.042	16.375	µg/m ³	V0
Lithium	0.000016	0.000311	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.033116	µg/m ³	V0
Magnesium	0.000279	0.062943	µg/m ³	V0
Aluminum	0.002800	0.206329	µg/m ³	V0
Silicon	0.010200	1.060091	µg/m ³	V0
Phosphorus	0.003480	0.016177	µg/m ³	V0
Potassium	0.000402	0.085814	µg/m ³	V0
Calcium	0.013042	0.324990	µg/m ³	V0
Titanium	0.000031	0.009773	µg/m ³	V0
Vanadium	0.000018	0.001165	µg/m ³	V0
Chromium	0.000045	0.000831	µg/m ³	V0
Manganese	0.000028	0.003432	µg/m ³	V0
Iron	0.001585	0.160380	µg/m ³	V0
Cobalt	0.000005	0.000149	µg/m ³	V0
Nickel	0.000015	0.000438	µg/m ³	V0
Copper	0.000027	0.000309	µg/m ³	V0
Zinc	0.000149	0.001013	µg/m ³	V0
Arsenic	0.000005	0.000090	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000387	µg/m ³	V0
Strontium	0.000012	0.001109	µg/m ³	V0
Niobium	0.000006	0.000065	µg/m ³	V0
Molybdenum	0.000025	0.000113	µg/m ³	V0
Palladium	0.000050	0.000104	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000066	µg/m ³	V0
Antimony	0.000016	0.000055	µg/m ³	V0
Cesium	0.000004	0.000025	µg/m ³	V0
Barium	0.000054	0.002945	µg/m ³	V0
Lanthanum	0.000004	0.000138	µg/m ³	V0
Cerium	0.000013	0.000289	µg/m ³	V0
Praseodymium	0.000002	0.000035	µg/m ³	V0
Neodymium	0.000005	0.000134	µg/m ³	V0
Samarium	0.000006	0.000025	µg/m ³	V0
Tantalum	0.000003	0.000193	µg/m ³	V0
Tungsten	0.000005	0.000063	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000243	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000047	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602666
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		725.4	mmHg	
Particulate Matter	0.042	11.750	µg/m ³	V0
Lithium	0.000016	0.000349	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030714	µg/m ³	V0
Magnesium	0.000279	0.064348	µg/m ³	V0
Aluminum	0.002800	0.241079	µg/m ³	V0
Silicon	0.010200	0.766338	µg/m ³	V0
Phosphorus	0.003480	0.025671	µg/m ³	V0
Potassium	0.000402	0.085772	µg/m ³	V0
Calcium	0.013042	0.210069	µg/m ³	V0
Titanium	0.000031	0.011055	µg/m ³	V0
Vanadium	0.000018	0.001382	µg/m ³	V0
Chromium	0.000045	0.001679	µg/m ³	V0
Manganese	0.000028	0.003565	µg/m ³	V0
Iron	0.001585	0.173214	µg/m ³	V0
Cobalt	0.000005	0.000155	µg/m ³	V0
Nickel	0.000015	0.000593	µg/m ³	V0
Copper	0.000027	0.000439	µg/m ³	V0
Zinc	0.000149	0.002289	µg/m ³	V0
Arsenic	0.000005	0.000121	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000377	µg/m ³	V0
Strontium	0.000012	0.000926	µg/m ³	V0
Niobium	0.000006	0.000076	µg/m ³	V0
Molybdenum	0.000025	0.000165	µg/m ³	V0
Palladium	0.000050	0.000058	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000156	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	0.002416	µg/m ³	V0
Lanthanum	0.000004	0.000149	µg/m ³	V0
Cerium	0.000013	0.000332	µg/m ³	V0
Praseodymium	0.000002	0.000038	µg/m ³	V0
Neodymium	0.000005	0.000140	µg/m ³	V0
Samarium	0.000006	0.000027	µg/m ³	V0
Tantalum	0.000003	0.000249	µg/m ³	V0
Tungsten	0.000005	0.000056	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000450	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000058	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602669
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.2	°C	
Pressure		727.8	mmHg	
Particulate Matter	0.042	14.667	µg/m ³	V0
Lithium	0.000016	0.000276	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030756	µg/m ³	V0
Magnesium	0.000279	0.060314	µg/m ³	V0
Aluminum	0.002800	0.215732	µg/m ³	V0
Silicon	0.010200	1.155392	µg/m ³	V0
Phosphorus	0.003480	0.025452	µg/m ³	V0
Potassium	0.000402	0.077642	µg/m ³	V0
Calcium	0.013042	0.167273	µg/m ³	V0
Titanium	0.000031	0.009378	µg/m ³	V0
Vanadium	0.000018	0.001084	µg/m ³	V0
Chromium	0.000045	0.000790	µg/m ³	V0
Manganese	0.000028	0.002914	µg/m ³	V0
Iron	0.001585	0.144546	µg/m ³	V0
Cobalt	0.000005	0.000126	µg/m ³	V0
Nickel	0.000015	0.000384	µg/m ³	V0
Copper	0.000027	0.001446	µg/m ³	V0
Zinc	0.000149	0.002152	µg/m ³	V0
Arsenic	0.000005	0.000141	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000341	µg/m ³	V0
Strontium	0.000012	0.000841	µg/m ³	V0
Niobium	0.000006	0.000065	µg/m ³	V0
Molybdenum	0.000025	0.000082	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000104	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	0.000022	µg/m ³	V0
Barium	0.000054	0.002465	µg/m ³	V0
Lanthanum	0.000004	0.000145	µg/m ³	V0
Cerium	0.000013	0.000258	µg/m ³	V0
Praseodymium	0.000002	0.000031	µg/m ³	V0
Neodymium	0.000005	0.000122	µg/m ³	V0
Samarium	0.000006	0.000023	µg/m ³	V0
Tantalum	0.000003	0.000196	µg/m ³	V0
Tungsten	0.000005	0.000043	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000239	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000050	µg/m ³	V0
Uranium	0.000003	0.000011	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220602674
Start Date:	2022-06-13 11:17	End Date:	2022-06-13 11:18	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000157	µg/m ³	V0
Beryllium	0.000013	0.000089	µg/m ³	V0
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.004289	µg/m ³	V0
Aluminum	0.002800	0.008445	µg/m ³	V0
Silicon	0.010200	0.020580	µg/m ³	V0
Phosphorus	0.003480	0.021163	µg/m ³	V0
Potassium	0.000402	0.017820	µg/m ³	V0
Calcium	0.013042	0.025219	µg/m ³	V0
Titanium	0.000031	0.000862	µg/m ³	V0
Vanadium	0.000018	0.000220	µg/m ³	V0
Chromium	0.000045	0.000773	µg/m ³	V0
Manganese	0.000028	0.000230	µg/m ³	V0
Iron	0.001585	0.009235	µg/m ³	V0
Cobalt	0.000005	0.000073	µg/m ³	V0
Nickel	0.000015	0.000323	µg/m ³	V0
Copper	0.000027	0.000636	µg/m ³	V0
Zinc	0.000149	0.000714	µg/m ³	V0
Arsenic	0.000005	0.000372	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000052	µg/m ³	V0
Strontium	0.000012	0.000057	µg/m ³	V0
Niobium	0.000006	0.000055	µg/m ³	V0
Molybdenum	0.000025	0.000059	µg/m ³	V0
Palladium	0.000050	0.000407	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000104	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000045	µg/m ³	V0
Barium	0.000054	0.000073	µg/m ³	V0
Lanthanum	0.000004	0.000025	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000024	µg/m ³	V0
Samarium	0.000006	0.000023	µg/m ³	V0
Tantalum	0.000003	0.000406	µg/m ³	V0
Tungsten	0.000005	0.000080	µg/m ³	V0
Platinum	0.000004	0.000080	µg/m ³	V0
Thallium	0.000005	0.000304	µg/m ³	V0
Lead	0.000018	0.000132	µg/m ³	V0
Bismuth	0.000004	0.000221	µg/m ³	V0
Thorium	0.000002	0.001065	µg/m ³	V0
Uranium	0.000003	0.000120	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602678
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.4	°C	
Pressure		728.3	mmHg	
Particulate Matter	0.042	18.958	µg/m ³	V0
Lithium	0.000016	0.000546	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.045305	µg/m ³	V0
Magnesium	0.000279	0.111606	µg/m ³	V0
Aluminum	0.002800	0.356225	µg/m ³	V0
Silicon	0.010200	1.124723	µg/m ³	V0
Phosphorus	0.003480	0.026085	µg/m ³	V0
Potassium	0.000402	0.136827	µg/m ³	V0
Calcium	0.013042	0.548660	µg/m ³	V0
Titanium	0.000031	0.016215	µg/m ³	V0
Vanadium	0.000018	0.002197	µg/m ³	V0
Chromium	0.000045	0.000914	µg/m ³	V0
Manganese	0.000028	0.005629	µg/m ³	V0
Iron	0.001585	0.264016	µg/m ³	V0
Cobalt	0.000005	0.000235	µg/m ³	V0
Nickel	0.000015	0.000557	µg/m ³	V0
Copper	0.000027	0.001100	µg/m ³	V0
Zinc	0.000149	0.003984	µg/m ³	V0
Arsenic	0.000005	0.000075	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000651	µg/m ³	V0
Strontium	0.000012	0.001758	µg/m ³	V0
Niobium	0.000006	0.000086	µg/m ³	V0
Molybdenum	0.000025	0.000195	µg/m ³	V0
Palladium	0.000050	0.000063	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000235	µg/m ³	V0
Antimony	0.000016	0.000202	µg/m ³	V0
Cesium	0.000004	0.000037	µg/m ³	V0
Barium	0.000054	0.005223	µg/m ³	V0
Lanthanum	0.000004	0.000238	µg/m ³	V0
Cerium	0.000013	0.000526	µg/m ³	V0
Praseodymium	0.000002	0.000061	µg/m ³	V0
Neodymium	0.000005	0.000233	µg/m ³	V0
Samarium	0.000006	0.000044	µg/m ³	V0
Tantalum	0.000003	0.000208	µg/m ³	V0
Tungsten	0.000005	0.000161	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000430	µg/m ³	V0
Bismuth	0.000004	0.000027	µg/m ³	V0
Thorium	0.000002	0.000082	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602683
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.4	°C	
Pressure		737.8	mmHg	
Particulate Matter	0.042	22.792	µg/m ³	V0
Lithium	0.000016	0.000579	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.056647	µg/m ³	V0
Magnesium	0.000279	0.128313	µg/m ³	V0
Aluminum	0.002800	0.424521	µg/m ³	V0
Silicon	0.010200	1.131483	µg/m ³	V0
Phosphorus	0.003480	0.036562	µg/m ³	V0
Potassium	0.000402	0.176408	µg/m ³	V0
Calcium	0.013042	0.860287	µg/m ³	V0
Titanium	0.000031	0.020937	µg/m ³	V0
Vanadium	0.000018	0.002134	µg/m ³	V0
Chromium	0.000045	0.000901	µg/m ³	V0
Manganese	0.000028	0.007236	µg/m ³	V0
Iron	0.001585	0.378666	µg/m ³	V0
Cobalt	0.000005	0.000316	µg/m ³	V0
Nickel	0.000015	0.000506	µg/m ³	V0
Copper	0.000027	0.001554	µg/m ³	V0
Zinc	0.000149	0.010977	µg/m ³	V0
Arsenic	0.000005	0.000120	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000798	µg/m ³	V0
Strontium	0.000012	0.002550	µg/m ³	V0
Niobium	0.000006	0.000106	µg/m ³	V0
Molybdenum	0.000025	0.000186	µg/m ³	V0
Palladium	0.000050	0.000111	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000442	µg/m ³	V0
Antimony	0.000016	0.000337	µg/m ³	V0
Cesium	0.000004	0.000043	µg/m ³	V0
Barium	0.000054	0.007627	µg/m ³	V0
Lanthanum	0.000004	0.000283	µg/m ³	V0
Cerium	0.000013	0.000615	µg/m ³	V0
Praseodymium	0.000002	0.000072	µg/m ³	V0
Neodymium	0.000005	0.000275	µg/m ³	V0
Samarium	0.000006	0.000056	µg/m ³	V0
Tantalum	0.000003	0.000209	µg/m ³	V0
Tungsten	0.000005	0.000332	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000302	µg/m ³	V0
Bismuth	0.000004	0.000046	µg/m ³	V0
Thorium	0.000002	0.000101	µg/m ³	V0
Uranium	0.000003	0.000025	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602687	
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	26.750	µg/m ³	V0
Lithium	0.000016	0.001531	µg/m ³	V0
Beryllium	0.000013	0.000042	µg/m ³	V0
Sodium	0.000777	0.083787	µg/m ³	V0
Magnesium	0.000279	0.189853	µg/m ³	V0
Aluminum	0.002800	1.129979	µg/m ³	V0
Silicon	0.010200	0.795602	µg/m ³	V0
Phosphorus	0.003480	0.038805	µg/m ³	V0
Potassium	0.000402	0.303881	µg/m ³	V0
Calcium	0.013042	1.940381	µg/m ³	V0
Titanium	0.000031	0.048049	µg/m ³	V0
Vanadium	0.000018	0.004039	µg/m ³	V0
Chromium	0.000045	0.002217	µg/m ³	V0
Manganese	0.000028	0.016511	µg/m ³	V0
Iron	0.001585	0.794914	µg/m ³	V0
Cobalt	0.000005	0.000613	µg/m ³	V0
Nickel	0.000015	0.001129	µg/m ³	V0
Copper	0.000027	0.001012	µg/m ³	V0
Zinc	0.000149	0.003493	µg/m ³	V0
Arsenic	0.000005	0.000150	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001716	µg/m ³	V0
Strontium	0.000012	0.005221	µg/m ³	V0
Niobium	0.000006	0.000223	µg/m ³	V0
Molybdenum	0.000025	0.000211	µg/m ³	V0
Palladium	0.000050	0.000071	µg/m ³	V0
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000152	µg/m ³	V0
Antimony	0.000016	0.000080	µg/m ³	V0
Cesium	0.000004	0.000104	µg/m ³	V0
Barium	0.000054	0.010032	µg/m ³	V0
Lanthanum	0.000004	0.000708	µg/m ³	V0
Cerium	0.000013	0.001570	µg/m ³	V0
Praseodymium	0.000002	0.000182	µg/m ³	V0
Neodymium	0.000005	0.000703	µg/m ³	V0
Samarium	0.000006	0.000134	µg/m ³	V0
Tantalum	0.000003	0.000329	µg/m ³	V0
Tungsten	0.000005	0.000146	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000547	µg/m ³	V0
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	0.000254	µg/m ³	V0
Uranium	0.000003	0.000054	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602702
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		736.3	mmHg	
Particulate Matter	0.042	22.750	µg/m ³	V0
Lithium	0.000016	0.001053	µg/m ³	V0
Beryllium	0.000013	0.000035	µg/m ³	V0
Sodium	0.000777	0.042200	µg/m ³	V0
Magnesium	0.000279	0.095051	µg/m ³	V0
Aluminum	0.002800	0.669756	µg/m ³	V0
Silicon	0.010200	1.846708	µg/m ³	V0
Phosphorus	0.003480	0.026787	µg/m ³	V0
Potassium	0.000402	0.184704	µg/m ³	V0
Calcium	0.013042	0.383371	µg/m ³	V0
Titanium	0.000031	0.029275	µg/m ³	V0
Vanadium	0.000018	0.002771	µg/m ³	V0
Chromium	0.000045	0.001027	µg/m ³	V0
Manganese	0.000028	0.009463	µg/m ³	V0
Iron	0.001585	0.423966	µg/m ³	V0
Cobalt	0.000005	0.000366	µg/m ³	V0
Nickel	0.000015	0.000655	µg/m ³	V0
Copper	0.000027	0.001430	µg/m ³	V0
Zinc	0.000149	0.005102	µg/m ³	V0
Arsenic	0.000005	0.000091	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001020	µg/m ³	V0
Strontium	0.000012	0.002112	µg/m ³	V0
Niobium	0.000006	0.000142	µg/m ³	V0
Molybdenum	0.000025	0.000128	µg/m ³	V0
Palladium	0.000050	0.000070	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000104	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	0.000062	µg/m ³	V0
Barium	0.000054	0.005637	µg/m ³	V0
Lanthanum	0.000004	0.000436	µg/m ³	V0
Cerium	0.000013	0.000975	µg/m ³	V0
Praseodymium	0.000002	0.000104	µg/m ³	V0
Neodymium	0.000005	0.000402	µg/m ³	V0
Samarium	0.000006	0.000076	µg/m ³	V0
Tantalum	0.000003	0.000223	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000354	µg/m ³	V0
Bismuth	0.000004	0.000025	µg/m ³	V0
Thorium	0.000002	0.000148	µg/m ³	V0
Uranium	0.000003	0.000033	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00
		Set Index:	1
		WBEA ID:	220602704
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.3	°C	
Pressure		734.0	mmHg	
Particulate Matter	0.042	14.250	µg/m ³	V0
Lithium	0.000016	0.000606	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.038037	µg/m ³	V0
Magnesium	0.000279	0.091317	µg/m ³	V0
Aluminum	0.002800	0.366207	µg/m ³	V0
Silicon	0.010200	1.263069	µg/m ³	V0
Phosphorus	0.003480	0.028482	µg/m ³	V0
Potassium	0.000402	0.116185	µg/m ³	V0
Calcium	0.013042	0.329640	µg/m ³	V0
Titanium	0.000031	0.016532	µg/m ³	V0
Vanadium	0.000018	0.001858	µg/m ³	V0
Chromium	0.000045	0.000911	µg/m ³	V0
Manganese	0.000028	0.005816	µg/m ³	V0
Iron	0.001585	0.322848	µg/m ³	V0
Cobalt	0.000005	0.000218	µg/m ³	V0
Nickel	0.000015	0.000549	µg/m ³	V0
Copper	0.000027	0.000216	µg/m ³	V0
Zinc	0.000149	0.001644	µg/m ³	V0
Arsenic	0.000005	0.000088	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000552	µg/m ³	V0
Strontium	0.000012	0.001444	µg/m ³	V0
Niobium	0.000006	0.000103	µg/m ³	V0
Molybdenum	0.000025	0.000107	µg/m ³	V0
Palladium	0.000050	0.000082	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000114	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	0.000034	µg/m ³	V0
Barium	0.000054	0.003784	µg/m ³	V0
Lanthanum	0.000004	0.000232	µg/m ³	V0
Cerium	0.000013	0.000512	µg/m ³	V0
Praseodymium	0.000002	0.000060	µg/m ³	V0
Neodymium	0.000005	0.000226	µg/m ³	V0
Samarium	0.000006	0.000044	µg/m ³	V0
Tantalum	0.000003	0.000271	µg/m ³	V0
Tungsten	0.000005	0.000062	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000202	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000091	µg/m ³	V0
Uranium	0.000003	0.000020	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602706
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		718.6	mmHg	
Particulate Matter	0.042	8.625	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012964	µg/m ³	V0
Magnesium	0.000279	0.016290	µg/m ³	V0
Aluminum	0.002800	0.039339	µg/m ³	V0
Silicon	0.010200	0.180150	µg/m ³	V0
Phosphorus	0.003480	0.031539	µg/m ³	V0
Potassium	0.000402	0.051004	µg/m ³	V0
Calcium	0.013042	0.039392	µg/m ³	V0
Titanium	0.000031	0.001923	µg/m ³	V0
Vanadium	0.000018	0.000110	µg/m ³	V0
Chromium	0.000045	0.000469	µg/m ³	V0
Manganese	0.000028	0.001087	µg/m ³	V0
Iron	0.001585	0.024540	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000130	µg/m ³	V0
Copper	0.000027	0.000271	µg/m ³	V0
Zinc	0.000149	0.001404	µg/m ³	V0
Arsenic	0.000005	0.000021	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000147	µg/m ³	V0
Strontium	0.000012	0.000181	µg/m ³	V0
Niobium	0.000006	0.000043	µg/m ³	V0
Molybdenum	0.000025	0.000042	µg/m ³	V0
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000115	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000528	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000041	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000244	µg/m ³	V0
Tungsten	0.000005	0.000057	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000065	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000020	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602714
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.5	°C	
Pressure		710.9	mmHg	
Particulate Matter	0.042	10.542	µg/m ³	V0
Lithium	0.000016	0.000193	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.033799	µg/m ³	V0
Magnesium	0.000279	0.064809	µg/m ³	V0
Aluminum	0.002800	0.140387	µg/m ³	V0
Silicon	0.010200	0.479259	µg/m ³	V0
Phosphorus	0.003480	0.049167	µg/m ³	V0
Potassium	0.000402	0.107347	µg/m ³	V0
Calcium	0.013042	0.183564	µg/m ³	V0
Titanium	0.000031	0.007176	µg/m ³	V0
Vanadium	0.000018	0.000624	µg/m ³	V0
Chromium	0.000045	0.000845	µg/m ³	V0
Manganese	0.000028	0.003490	µg/m ³	V0
Iron	0.001585	0.128025	µg/m ³	V0
Cobalt	0.000005	0.000089	µg/m ³	V0
Nickel	0.000015	0.000272	µg/m ³	V0
Copper	0.000027	0.001123	µg/m ³	V0
Zinc	0.000149	0.003185	µg/m ³	V0
Arsenic	0.000005	0.000131	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000397	µg/m ³	V0
Strontium	0.000012	0.000800	µg/m ³	V0
Niobium	0.000006	0.000067	µg/m ³	V0
Molybdenum	0.000025	0.000082	µg/m ³	V0
Palladium	0.000050	0.000072	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000086	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	0.000018	µg/m ³	V0
Barium	0.000054	0.001798	µg/m ³	V0
Lanthanum	0.000004	0.000102	µg/m ³	V0
Cerium	0.000013	0.000224	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000100	µg/m ³	V0
Samarium	0.000006	0.000019	µg/m ³	V0
Tantalum	0.000003	0.000234	µg/m ³	V0
Tungsten	0.000005	0.000087	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000247	µg/m ³	V0
Bismuth	0.000004	0.000030	µg/m ³	V0
Thorium	0.000002	0.000043	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220602720
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		716.7	mmHg	
Particulate Matter	0.042	8.708	µg/m ³	V0
Lithium	0.000016	0.000071	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005668	µg/m ³	V0
Magnesium	0.000279	0.019357	µg/m ³	V0
Aluminum	0.002800	0.050880	µg/m ³	V0
Silicon	0.010200	0.180558	µg/m ³	V0
Phosphorus	0.003480	0.030858	µg/m ³	V0
Potassium	0.000402	0.054503	µg/m ³	V0
Calcium	0.013042	0.076159	µg/m ³	V0
Titanium	0.000031	0.002106	µg/m ³	V0
Vanadium	0.000018	0.000141	µg/m ³	V0
Chromium	0.000045	0.000561	µg/m ³	V0
Manganese	0.000028	0.001017	µg/m ³	V0
Iron	0.001585	0.031254	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000204	µg/m ³	V0
Copper	0.000027	0.000128	µg/m ³	V0
Zinc	0.000149	0.001041	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000175	µg/m ³	V0
Strontium	0.000012	0.000268	µg/m ³	V0
Niobium	0.000006	0.000042	µg/m ³	V0
Molybdenum	0.000025	0.000037	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000075	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000562	µg/m ³	V0
Lanthanum	0.000004	0.000026	µg/m ³	V0
Cerium	0.000013	0.000055	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000021	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000210	µg/m ³	V0
Tungsten	0.000005	0.000050	µg/m ³	V0
Platinum	0.000004	0.000006	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000087	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602729
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.1	°C	
Pressure		739.9	mmHg	
Particulate Matter	0.042	7.375	µg/m ³	V0
Lithium	0.000016	0.000102	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.023297	µg/m ³	V0
Magnesium	0.000279	0.026683	µg/m ³	V0
Aluminum	0.002800	0.070815	µg/m ³	V0
Silicon	0.010200	0.414466	µg/m ³	V0
Phosphorus	0.003480	0.021264	µg/m ³	V0
Potassium	0.000402	0.078992	µg/m ³	V0
Calcium	0.013042	0.040286	µg/m ³	V0
Titanium	0.000031	0.004827	µg/m ³	V0
Vanadium	0.000018	0.000261	µg/m ³	V0
Chromium	0.000045	0.001082	µg/m ³	V0
Manganese	0.000028	0.001189	µg/m ³	V0
Iron	0.001585	0.053305	µg/m ³	V0
Cobalt	0.000005	0.000060	µg/m ³	V0
Nickel	0.000015	0.000385	µg/m ³	V0
Copper	0.000027	0.001797	µg/m ³	V0
Zinc	0.000149	0.002172	µg/m ³	V0
Arsenic	0.000005	0.000169	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000212	µg/m ³	V0
Strontium	0.000012	0.000472	µg/m ³	V0
Niobium	0.000006	0.000104	µg/m ³	V0
Molybdenum	0.000025	0.000070	µg/m ³	V0
Palladium	0.000050	0.000121	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000086	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.002227	µg/m ³	V0
Lanthanum	0.000004	0.000089	µg/m ³	V0
Cerium	0.000013	0.000180	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000070	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000549	µg/m ³	V0
Tungsten	0.000005	0.000171	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000082	µg/m ³	V0
Lead	0.000018	0.000131	µg/m ³	V0
Bismuth	0.000004	0.000420	µg/m ³	V4
Thorium	0.000002	0.001320	µg/m ³	V0
Uranium	0.000003	0.000025	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602744
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.6	°C	
Pressure		734.9	mmHg	
Particulate Matter	0.042	36.875	µg/m ³	V0
Lithium	0.000016	0.001779	µg/m ³	V0
Beryllium	0.000013	0.000067	µg/m ³	V0
Sodium	0.000777	0.186845	µg/m ³	V0
Magnesium	0.000279	0.438760	µg/m ³	V0
Aluminum	0.002800	1.401051	µg/m ³	V0
Silicon	0.010200	0.604223	µg/m ³	V0
Phosphorus	0.003480	0.044116	µg/m ³	V0
Potassium	0.000402	0.402751	µg/m ³	V0
Calcium	0.013042	2.382184	µg/m ³	V0
Titanium	0.000031	0.063741	µg/m ³	V0
Vanadium	0.000018	0.005509	µg/m ³	V0
Chromium	0.000045	0.002146	µg/m ³	V0
Manganese	0.000028	0.036316	µg/m ³	V0
Iron	0.001585	2.128189	µg/m ³	V0
Cobalt	0.000005	0.001037	µg/m ³	V0
Nickel	0.000015	0.001330	µg/m ³	V0
Copper	0.000027	0.000935	µg/m ³	V0
Zinc	0.000149	0.003466	µg/m ³	V0
Arsenic	0.000005	0.000327	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002152	µg/m ³	V0
Strontium	0.000012	0.007650	µg/m ³	V0
Niobium	0.000006	0.000285	µg/m ³	V0
Molybdenum	0.000025	0.000283	µg/m ³	V0
Palladium	0.000050	0.000095	µg/m ³	V0
Silver	0.000006	0.000028	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000408	µg/m ³	V0
Antimony	0.000016	0.000068	µg/m ³	V0
Cesium	0.000004	0.000119	µg/m ³	V0
Barium	0.000054	0.018486	µg/m ³	V0
Lanthanum	0.000004	0.001002	µg/m ³	V0
Cerium	0.000013	0.002201	µg/m ³	V0
Praseodymium	0.000002	0.000258	µg/m ³	V0
Neodymium	0.000005	0.000986	µg/m ³	V0
Samarium	0.000006	0.000192	µg/m ³	V0
Tantalum	0.000003	0.000370	µg/m ³	V0
Tungsten	0.000005	0.000605	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000029	µg/m ³	V0
Lead	0.000018	0.000770	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000348	µg/m ³	V0
Uranium	0.000003	0.000076	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220602757
Start Date:	2022-06-17 08:25	End Date:	2022-06-17 08:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Lithium	0.000016	0.000046	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002755	µg/m ³	V0
Aluminum	0.002800	0.006786	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.023991	µg/m ³	V0
Potassium	0.000402	0.008050	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000304	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000537	µg/m ³	V0
Manganese	0.000028	0.000151	µg/m ³	V0
Iron	0.001585	0.017441	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000232	µg/m ³	V0
Copper	0.000027	0.000065	µg/m ³	V0
Zinc	0.000149	0.001150	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000006	µg/m ³	V0
Strontium	0.000012	0.000013	µg/m ³	V0
Niobium	0.000006	0.000038	µg/m ³	V0
Molybdenum	0.000025	0.000028	µg/m ³	V0
Palladium	0.000050	0.000064	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000114	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000232	µg/m ³	V0
Tungsten	0.000005	0.000060	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602750
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		724.0	mmHg	
Particulate Matter	0.042	17.375	µg/m ³	V0
Lithium	0.000016	0.000541	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.048083	µg/m ³	V0
Magnesium	0.000279	0.099181	µg/m ³	V0
Aluminum	0.002800	0.461699	µg/m ³	V0
Silicon	0.010200	1.075230	µg/m ³	V0
Phosphorus	0.003480	0.042783	µg/m ³	V0
Potassium	0.000402	0.160564	µg/m ³	V0
Calcium	0.013042	0.422450	µg/m ³	V0
Titanium	0.000031	0.020744	µg/m ³	V0
Vanadium	0.000018	0.002285	µg/m ³	V0
Chromium	0.000045	0.001024	µg/m ³	V0
Manganese	0.000028	0.006896	µg/m ³	V0
Iron	0.001585	0.341160	µg/m ³	V0
Cobalt	0.000005	0.000294	µg/m ³	V0
Nickel	0.000015	0.000514	µg/m ³	V0
Copper	0.000027	0.000847	µg/m ³	V0
Zinc	0.000149	0.003167	µg/m ³	V0
Arsenic	0.000005	0.000101	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000690	µg/m ³	V0
Strontium	0.000012	0.001669	µg/m ³	V0
Niobium	0.000006	0.000085	µg/m ³	V0
Molybdenum	0.000025	0.000172	µg/m ³	V0
Palladium	0.000050	0.000076	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000301	µg/m ³	V0
Antimony	0.000016	0.000142	µg/m ³	V0
Cesium	0.000004	0.000044	µg/m ³	V0
Barium	0.000054	0.005952	µg/m ³	V0
Lanthanum	0.000004	0.000273	µg/m ³	V0
Cerium	0.000013	0.000607	µg/m ³	V0
Praseodymium	0.000002	0.000073	µg/m ³	V0
Neodymium	0.000005	0.000285	µg/m ³	V0
Samarium	0.000006	0.000054	µg/m ³	V0
Tantalum	0.000003	0.000178	µg/m ³	V0
Tungsten	0.000005	0.000122	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000280	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000103	µg/m ³	V0
Uranium	0.000003	0.000024	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602760
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		733.5	mmHg	
Particulate Matter	0.042	15.708	µg/m ³	V0
Lithium	0.000016	0.000398	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.049047	µg/m ³	V0
Magnesium	0.000279	0.108137	µg/m ³	V0
Aluminum	0.002800	0.302895	µg/m ³	V0
Silicon	0.010200	0.922855	µg/m ³	V0
Phosphorus	0.003480	0.038060	µg/m ³	V0
Potassium	0.000402	0.132960	µg/m ³	V0
Calcium	0.013042	0.385483	µg/m ³	V0
Titanium	0.000031	0.016021	µg/m ³	V0
Vanadium	0.000018	0.001681	µg/m ³	V0
Chromium	0.000045	0.000941	µg/m ³	V0
Manganese	0.000028	0.005402	µg/m ³	V0
Iron	0.001585	0.278978	µg/m ³	V0
Cobalt	0.000005	0.000269	µg/m ³	V0
Nickel	0.000015	0.000502	µg/m ³	V0
Copper	0.000027	0.001257	µg/m ³	V0
Zinc	0.000149	0.004984	µg/m ³	V0
Arsenic	0.000005	0.000084	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000543	µg/m ³	V0
Strontium	0.000012	0.001410	µg/m ³	V0
Niobium	0.000006	0.000075	µg/m ³	V0
Molybdenum	0.000025	0.000152	µg/m ³	V0
Palladium	0.000050	0.000092	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000403	µg/m ³	V0
Antimony	0.000016	0.000231	µg/m ³	V0
Cesium	0.000004	0.000035	µg/m ³	V0
Barium	0.000054	0.006126	µg/m ³	V0
Lanthanum	0.000004	0.000213	µg/m ³	V0
Cerium	0.000013	0.000450	µg/m ³	V0
Praseodymium	0.000002	0.000055	µg/m ³	V0
Neodymium	0.000005	0.000205	µg/m ³	V0
Samarium	0.000006	0.000042	µg/m ³	V0
Tantalum	0.000003	0.000196	µg/m ³	V0
Tungsten	0.000005	0.000282	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000263	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000072	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602770
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.1	°C	
Pressure		735.0	mmHg	
Particulate Matter	0.042	5.375	µg/m ³	V0
Lithium	0.000016	0.000064	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016613	µg/m ³	V0
Magnesium	0.000279	0.021832	µg/m ³	V0
Aluminum	0.002800	0.069617	µg/m ³	V0
Silicon	0.010200	0.144745	µg/m ³	V0
Phosphorus	0.003480	0.032855	µg/m ³	V0
Potassium	0.000402	0.077634	µg/m ³	V0
Calcium	0.013042	0.035254	µg/m ³	V0
Titanium	0.000031	0.003051	µg/m ³	V0
Vanadium	0.000018	0.000141	µg/m ³	V0
Chromium	0.000045	0.001146	µg/m ³	V0
Manganese	0.000028	0.000979	µg/m ³	V0
Iron	0.001585	0.034415	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000514	µg/m ³	V0
Copper	0.000027	0.000413	µg/m ³	V0
Zinc	0.000149	0.000920	µg/m ³	V0
Arsenic	0.000005	0.000015	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000148	µg/m ³	V0
Strontium	0.000012	0.000281	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000058	µg/m ³	V0
Antimony	0.000016	0.000019	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.001105	µg/m ³	V0
Lanthanum	0.000004	0.000066	µg/m ³	V0
Cerium	0.000013	0.000138	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000050	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000208	µg/m ³	V0
Tungsten	0.000005	0.000051	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000112	µg/m ³	V0
Bismuth	0.000004	0.000026	µg/m ³	V0
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00
		Set Index:	1
		WBEA ID:	220602775
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		731.5	mmHg	
Particulate Matter	0.042	26.333	µg/m ³	V0
Lithium	0.000016	0.001235	µg/m ³	V0
Beryllium	0.000013	0.000039	µg/m ³	V0
Sodium	0.000777	0.049696	µg/m ³	V0
Magnesium	0.000279	0.129871	µg/m ³	V0
Aluminum	0.002800	0.835347	µg/m ³	V0
Silicon	0.010200	1.865079	µg/m ³	V0
Phosphorus	0.003480	0.038709	µg/m ³	V0
Potassium	0.000402	0.236092	µg/m ³	V0
Calcium	0.013042	0.755656	µg/m ³	V0
Titanium	0.000031	0.040292	µg/m ³	V0
Vanadium	0.000018	0.003173	µg/m ³	V0
Chromium	0.000045	0.002617	µg/m ³	V0
Manganese	0.000028	0.011934	µg/m ³	V0
Iron	0.001585	0.577850	µg/m ³	V0
Cobalt	0.000005	0.000481	µg/m ³	V0
Nickel	0.000015	0.000887	µg/m ³	V0
Copper	0.000027	0.000683	µg/m ³	V0
Zinc	0.000149	0.001954	µg/m ³	V0
Arsenic	0.000005	0.000144	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001277	µg/m ³	V0
Strontium	0.000012	0.002943	µg/m ³	V0
Niobium	0.000006	0.000157	µg/m ³	V0
Molybdenum	0.000025	0.000232	µg/m ³	V0
Palladium	0.000050	0.000100	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000158	µg/m ³	V0
Antimony	0.000016	0.000053	µg/m ³	V0
Cesium	0.000004	0.000080	µg/m ³	V0
Barium	0.000054	0.007828	µg/m ³	V0
Lanthanum	0.000004	0.000527	µg/m ³	V0
Cerium	0.000013	0.001175	µg/m ³	V0
Praseodymium	0.000002	0.000138	µg/m ³	V0
Neodymium	0.000005	0.000535	µg/m ³	V0
Samarium	0.000006	0.000100	µg/m ³	V0
Tantalum	0.000003	0.000224	µg/m ³	V0
Tungsten	0.000005	0.000074	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000367	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000196	µg/m ³	V0
Uranium	0.000003	0.000044	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602792
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		732.0	mmHg	
Particulate Matter	0.042	20.458	µg/m ³	V0
Lithium	0.000016	0.000764	µg/m ³	V0
Beryllium	0.000013	0.000019	µg/m ³	V0
Sodium	0.000777	0.039698	µg/m ³	V0
Magnesium	0.000279	0.103934	µg/m ³	V0
Aluminum	0.002800	0.526912	µg/m ³	V0
Silicon	0.010200	1.026509	µg/m ³	V0
Phosphorus	0.003480	0.046347	µg/m ³	V0
Potassium	0.000402	0.162492	µg/m ³	V0
Calcium	0.013042	0.303893	µg/m ³	V0
Titanium	0.000031	0.024378	µg/m ³	V0
Vanadium	0.000018	0.001792	µg/m ³	V0
Chromium	0.000045	0.001031	µg/m ³	V0
Manganese	0.000028	0.007173	µg/m ³	V0
Iron	0.001585	0.333833	µg/m ³	V0
Cobalt	0.000005	0.000290	µg/m ³	V0
Nickel	0.000015	0.000550	µg/m ³	V0
Copper	0.000027	0.000565	µg/m ³	V0
Zinc	0.000149	0.002432	µg/m ³	V0
Arsenic	0.000005	0.000075	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000769	µg/m ³	V0
Strontium	0.000012	0.001545	µg/m ³	V0
Niobium	0.000006	0.000213	µg/m ³	V0
Molybdenum	0.000025	0.000195	µg/m ³	V0
Palladium	0.000050	0.000050	µg/m ³	V0
Silver	0.000006	0.000030	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000276	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	0.000047	µg/m ³	V0
Barium	0.000054	0.004657	µg/m ³	V0
Lanthanum	0.000004	0.000305	µg/m ³	V0
Cerium	0.000013	0.000692	µg/m ³	V0
Praseodymium	0.000002	0.000079	µg/m ³	V0
Neodymium	0.000005	0.000305	µg/m ³	V0
Samarium	0.000006	0.000059	µg/m ³	V0
Tantalum	0.000003	0.000437	µg/m ³	V0
Tungsten	0.000005	0.000318	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000235	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000110	µg/m ³	V0
Uranium	0.000003	0.000025	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 220602795
Start Date:	2022-06-22 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2022-06-23 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		729.6	mmHg	
Particulate Matter	0.042	17.500	µg/m ³	V0
Lithium	0.000016	0.000634	µg/m ³	V0
Beryllium	0.000013	0.000028	µg/m ³	V0
Sodium	0.000777	0.045390	µg/m ³	V0
Magnesium	0.000279	0.090442	µg/m ³	V0
Aluminum	0.002800	0.470631	µg/m ³	V0
Silicon	0.010200	0.923327	µg/m ³	V0
Phosphorus	0.003480	0.029108	µg/m ³	V0
Potassium	0.000402	0.155110	µg/m ³	V0
Calcium	0.013042	0.250777	µg/m ³	V0
Titanium	0.000031	0.018875	µg/m ³	V0
Vanadium	0.000018	0.001775	µg/m ³	V0
Chromium	0.000045	0.001125	µg/m ³	V0
Manganese	0.000028	0.006420	µg/m ³	V0
Iron	0.001585	0.381545	µg/m ³	V0
Cobalt	0.000005	0.000263	µg/m ³	V0
Nickel	0.000015	0.000541	µg/m ³	V0
Copper	0.000027	0.000279	µg/m ³	V0
Zinc	0.000149	0.000853	µg/m ³	V0
Arsenic	0.000005	0.000083	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000729	µg/m ³	V0
Strontium	0.000012	0.001644	µg/m ³	V0
Niobium	0.000006	0.001001	µg/m ³	V4
Molybdenum	0.000025	0.000831	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000207	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000279	µg/m ³	V0
Antimony	0.000016	0.000356	µg/m ³	V0
Cesium	0.000004	0.000046	µg/m ³	V0
Barium	0.000054	0.005404	µg/m ³	V0
Lanthanum	0.000004	0.000290	µg/m ³	V0
Cerium	0.000013	0.000648	µg/m ³	V0
Praseodymium	0.000002	0.000078	µg/m ³	V0
Neodymium	0.000005	0.000300	µg/m ³	V0
Samarium	0.000006	0.000058	µg/m ³	V0
Tantalum	0.000003	0.006837	µg/m ³	V4
Tungsten	0.000005	0.005802	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000217	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000109	µg/m ³	V0
Uranium	0.000003	0.000024	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602805	
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		707.5	mmHg	
Particulate Matter	0.042	6.542	µg/m ³	V0
Lithium	0.000016	0.000084	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012629	µg/m ³	V0
Magnesium	0.000279	0.030645	µg/m ³	V0
Aluminum	0.002800	0.061087	µg/m ³	V0
Silicon	0.010200	0.210311	µg/m ³	V0
Phosphorus	0.003480	0.046028	µg/m ³	V0
Potassium	0.000402	0.064996	µg/m ³	V0
Calcium	0.013042	0.097540	µg/m ³	V0
Titanium	0.000031	0.002167	µg/m ³	V0
Vanadium	0.000018	0.000165	µg/m ³	V0
Chromium	0.000045	0.000787	µg/m ³	V0
Manganese	0.000028	0.001850	µg/m ³	V0
Iron	0.001585	0.089376	µg/m ³	V0
Cobalt	0.000005	0.000048	µg/m ³	V0
Nickel	0.000015	0.000319	µg/m ³	V0
Copper	0.000027	0.001155	µg/m ³	V0
Zinc	0.000149	0.003818	µg/m ³	V0
Arsenic	0.000005	0.000054	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000129	µg/m ³	V0
Strontium	0.000012	0.000269	µg/m ³	V0
Niobium	0.000006	0.000051	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	0.000098	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000087	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.000827	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000072	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000031	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000235	µg/m ³	V0
Tungsten	0.000005	0.000060	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000118	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000043	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602813
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.4	°C	
Pressure		714.8	mmHg	
Particulate Matter	0.042	7.000	µg/m ³	V0
Lithium	0.000016	0.000081	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010652	µg/m ³	V0
Magnesium	0.000279	0.028963	µg/m ³	V0
Aluminum	0.002800	0.074965	µg/m ³	V0
Silicon	0.010200	0.279408	µg/m ³	V0
Phosphorus	0.003480	0.041469	µg/m ³	V0
Potassium	0.000402	0.059004	µg/m ³	V0
Calcium	0.013042	0.057136	µg/m ³	V0
Titanium	0.000031	0.003126	µg/m ³	V0
Vanadium	0.000018	0.000204	µg/m ³	V0
Chromium	0.000045	0.000405	µg/m ³	V0
Manganese	0.000028	0.001693	µg/m ³	V0
Iron	0.001585	0.049525	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000173	µg/m ³	V0
Copper	0.000027	0.000219	µg/m ³	V0
Zinc	0.000149	0.002892	µg/m ³	V0
Arsenic	0.000005	0.000009	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000151	µg/m ³	V0
Strontium	0.000012	0.000274	µg/m ³	V0
Niobium	0.000006	0.000041	µg/m ³	V0
Molybdenum	0.000025	0.000026	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000125	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001069	µg/m ³	V0
Lanthanum	0.000004	0.000047	µg/m ³	V0
Cerium	0.000013	0.000100	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000040	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000174	µg/m ³	V0
Tungsten	0.000005	0.000052	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000087	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602816
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.2	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	31.208	µg/m ³	V0
Lithium	0.000016	0.001289	µg/m ³	V0
Beryllium	0.000013	0.000050	µg/m ³	V0
Sodium	0.000777	0.117779	µg/m ³	V0
Magnesium	0.000279	0.337692	µg/m ³	V0
Aluminum	0.002800	1.045591	µg/m ³	V0
Silicon	0.010200	0.534497	µg/m ³	V0
Phosphorus	0.003480	0.046224	µg/m ³	V0
Potassium	0.000402	0.330299	µg/m ³	V0
Calcium	0.013042	1.710091	µg/m ³	V0
Titanium	0.000031	0.050187	µg/m ³	V0
Vanadium	0.000018	0.004647	µg/m ³	V0
Chromium	0.000045	0.002959	µg/m ³	V0
Manganese	0.000028	0.023358	µg/m ³	V0
Iron	0.001585	1.429952	µg/m ³	V0
Cobalt	0.000005	0.000787	µg/m ³	V0
Nickel	0.000015	0.000969	µg/m ³	V0
Copper	0.000027	0.000962	µg/m ³	V0
Zinc	0.000149	0.002616	µg/m ³	V0
Arsenic	0.000005	0.000272	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001743	µg/m ³	V0
Strontium	0.000012	0.005931	µg/m ³	V0
Niobium	0.000006	0.000395	µg/m ³	V0
Molybdenum	0.000025	0.000562	µg/m ³	V0
Palladium	0.000050	0.000093	µg/m ³	V0
Silver	0.000006	0.000060	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000195	µg/m ³	V0
Antimony	0.000016	0.000088	µg/m ³	V0
Cesium	0.000004	0.000091	µg/m ³	V0
Barium	0.000054	0.015058	µg/m ³	V0
Lanthanum	0.000004	0.000813	µg/m ³	V0
Cerium	0.000013	0.001779	µg/m ³	V0
Praseodymium	0.000002	0.000211	µg/m ³	V0
Neodymium	0.000005	0.000799	µg/m ³	V0
Samarium	0.000006	0.000155	µg/m ³	V0
Tantalum	0.000003	0.000580	µg/m ³	V0
Tungsten	0.000005	0.000748	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000022	µg/m ³	V0
Lead	0.000018	0.000590	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000274	µg/m ³	V0
Uranium	0.000003	0.000062	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602823
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		712.6	mmHg	
Particulate Matter	0.042	8.250	µg/m ³	V0
Lithium	0.000016	0.000075	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007559	µg/m ³	V0
Magnesium	0.000279	0.022806	µg/m ³	V0
Aluminum	0.002800	0.073711	µg/m ³	V0
Silicon	0.010200	0.185071	µg/m ³	V0
Phosphorus	0.003480	0.050873	µg/m ³	V0
Potassium	0.000402	0.067283	µg/m ³	V0
Calcium	0.013042	0.057833	µg/m ³	V0
Titanium	0.000031	0.003235	µg/m ³	V0
Vanadium	0.000018	0.001848	µg/m ³	V0
Chromium	0.000045	0.001067	µg/m ³	V0
Manganese	0.000028	0.003292	µg/m ³	V0
Iron	0.001585	0.226095	µg/m ³	V0
Cobalt	0.000005	0.000080	µg/m ³	V0
Nickel	0.000015	0.000651	µg/m ³	V0
Copper	0.000027	0.000549	µg/m ³	V0
Zinc	0.000149	0.001422	µg/m ³	V0
Arsenic	0.000005	0.000308	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000132	µg/m ³	V0
Strontium	0.000012	0.000248	µg/m ³	V0
Niobium	0.000006	0.000052	µg/m ³	V0
Molybdenum	0.000025	0.000201	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000120	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001136	µg/m ³	V0
Lanthanum	0.000004	0.000045	µg/m ³	V0
Cerium	0.000013	0.000098	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000038	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000194	µg/m ³	V0
Tungsten	0.000005	0.000052	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000115	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000019	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602876
Start Date:	2022-06-23 00:00	End Date:	2022-06-23 00:01	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Temperature		14.6	°C	
Pressure		739.5	mmHg	
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000022	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002545	µg/m ³	V0
Aluminum	0.002800	0.005784	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.009172	µg/m ³	V0
Potassium	0.000402	0.008404	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000357	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000405	µg/m ³	V0
Manganese	0.000028	0.000103	µg/m ³	V0
Iron	0.001585	0.005815	µg/m ³	V0
Cobalt	0.000005	0.000014	µg/m ³	V0
Nickel	0.000015	0.000215	µg/m ³	V0
Copper	0.000027	0.000384	µg/m ³	V0
Zinc	0.000149	0.000226	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000004	µg/m ³	V0
Strontium	0.000012	0.000035	µg/m ³	V0
Niobium	0.000006	0.000062	µg/m ³	V0
Molybdenum	0.000025	0.000038	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000039	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000224	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000242	µg/m ³	V0
Tungsten	0.000005	0.000053	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000023	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220602857
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in a short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		21.5	m ³	V6
Temperature		17.8	°C	
Pressure		735.1	mmHg	
Particulate Matter	0.042	5.116	µg/m ³	V0
Lithium	0.000016	0.000104	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003210	µg/m ³	V0
Magnesium	0.000279	0.019286	µg/m ³	V0
Aluminum	0.002800	0.075721	µg/m ³	V0
Silicon	0.010200	0.327556	µg/m ³	V0
Phosphorus	0.003480	0.034635	µg/m ³	V0
Potassium	0.000402	0.045361	µg/m ³	V0
Calcium	0.013042	0.037250	µg/m ³	V0
Titanium	0.000031	0.002934	µg/m ³	V0
Vanadium	0.000018	0.000298	µg/m ³	V0
Chromium	0.000045	0.001007	µg/m ³	V0
Manganese	0.000028	0.000962	µg/m ³	V0
Iron	0.001585	0.046885	µg/m ³	V0
Cobalt	0.000005	0.000048	µg/m ³	V0
Nickel	0.000015	0.000344	µg/m ³	V0
Copper	0.000027	0.000238	µg/m ³	V0
Zinc	0.000149	0.000883	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000117	µg/m ³	V0
Strontium	0.000012	0.000226	µg/m ³	V0
Niobium	0.000006	0.000078	µg/m ³	V0
Molybdenum	0.000025	0.000088	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000016	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000115	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000759	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000073	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000038	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000494	µg/m ³	V0
Tungsten	0.000005	0.000068	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000061	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602860
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.8	°C	
Pressure		735.5	mmHg	
Particulate Matter	0.042	19.208	µg/m ³	V0
Lithium	0.000016	0.000751	µg/m ³	V0
Beryllium	0.000013	0.000024	µg/m ³	V0
Sodium	0.000777	0.052755	µg/m ³	V0
Magnesium	0.000279	0.110062	µg/m ³	V0
Aluminum	0.002800	0.510159	µg/m ³	V0
Silicon	0.010200	1.230566	µg/m ³	V0
Phosphorus	0.003480	0.031892	µg/m ³	V0
Potassium	0.000402	0.197166	µg/m ³	V0
Calcium	0.013042	0.455884	µg/m ³	V0
Titanium	0.000031	0.027737	µg/m ³	V0
Vanadium	0.000018	0.002996	µg/m ³	V0
Chromium	0.000045	0.001522	µg/m ³	V0
Manganese	0.000028	0.008224	µg/m ³	V0
Iron	0.001585	0.513453	µg/m ³	V0
Cobalt	0.000005	0.000346	µg/m ³	V0
Nickel	0.000015	0.000664	µg/m ³	V0
Copper	0.000027	0.000480	µg/m ³	V0
Zinc	0.000149	0.001409	µg/m ³	V0
Arsenic	0.000005	0.000109	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000926	µg/m ³	V0
Strontium	0.000012	0.002196	µg/m ³	V0
Niobium	0.000006	0.000113	µg/m ³	V0
Molybdenum	0.000025	0.000237	µg/m ³	V0
Palladium	0.000050	0.000072	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000158	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	0.000059	µg/m ³	V0
Barium	0.000054	0.006689	µg/m ³	V0
Lanthanum	0.000004	0.000334	µg/m ³	V0
Cerium	0.000013	0.000738	µg/m ³	V0
Praseodymium	0.000002	0.000088	µg/m ³	V0
Neodymium	0.000005	0.000339	µg/m ³	V0
Samarium	0.000006	0.000069	µg/m ³	V0
Tantalum	0.000003	0.000162	µg/m ³	V0
Tungsten	0.000005	0.000127	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000278	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000123	µg/m ³	V0
Uranium	0.000003	0.000028	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220602863
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in a short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		21.7	m ³	V6
Temperature		17.4	°C	
Pressure		737.8	mmHg	
Particulate Matter	0.042	18.295	µg/m ³	V0
Lithium	0.000016	0.001036	µg/m ³	V0
Beryllium	0.000013	0.000032	µg/m ³	V0
Sodium	0.000777	0.083884	µg/m ³	V0
Magnesium	0.000279	0.163404	µg/m ³	V0
Aluminum	0.002800	0.828101	µg/m ³	V0
Silicon	0.010200	2.226681	µg/m ³	V0
Phosphorus	0.003480	0.047928	µg/m ³	V0
Potassium	0.000402	0.266010	µg/m ³	V0
Calcium	0.013042	0.389041	µg/m ³	V0
Titanium	0.000031	0.041298	µg/m ³	V0
Vanadium	0.000018	0.004628	µg/m ³	V0
Chromium	0.000045	0.007054	µg/m ³	V0
Manganese	0.000028	0.006107	µg/m ³	V0
Iron	0.001585	0.504520	µg/m ³	V0
Cobalt	0.000005	0.000471	µg/m ³	V0
Nickel	0.000015	0.000964	µg/m ³	V0
Copper	0.000027	0.000999	µg/m ³	V0
Zinc	0.000149	0.004378	µg/m ³	V0
Arsenic	0.000005	0.000178	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001185	µg/m ³	V0
Strontium	0.000012	0.002821	µg/m ³	V0
Niobium	0.000006	0.000189	µg/m ³	V0
Molybdenum	0.000025	0.000664	µg/m ³	V0
Palladium	0.000050	0.000081	µg/m ³	V0
Silver	0.000006	0.000801	µg/m ³	V4
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000184	µg/m ³	V0
Antimony	0.000016	0.000048	µg/m ³	V0
Cesium	0.000004	0.000096	µg/m ³	V0
Barium	0.000054	0.009167	µg/m ³	V0
Lanthanum	0.000004	0.000399	µg/m ³	V0
Cerium	0.000013	0.000862	µg/m ³	V0
Praseodymium	0.000002	0.000108	µg/m ³	V0
Neodymium	0.000005	0.000433	µg/m ³	V0
Samarium	0.000006	0.000087	µg/m ³	V0
Tantalum	0.000003	0.000464	µg/m ³	V0
Tungsten	0.000005	0.000093	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000357	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000156	µg/m ³	V0
Uranium	0.000003	0.000043	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602871
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in a short sampling duration and low sample volume. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		21.7	m ³	V6
Temperature		17.5	°C	
Pressure		737.3	mmHg	
Particulate Matter	0.042	10.876	µg/m ³	V0
Lithium	0.000016	0.000314	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.020691	µg/m ³	V0
Magnesium	0.000279	0.057894	µg/m ³	V0
Aluminum	0.002800	0.204829	µg/m ³	V0
Silicon	0.010200	1.168261	µg/m ³	V0
Phosphorus	0.003480	0.027950	µg/m ³	V0
Potassium	0.000402	0.078684	µg/m ³	V0
Calcium	0.013042	0.209083	µg/m ³	V0
Titanium	0.000031	0.009198	µg/m ³	V0
Vanadium	0.000018	0.000931	µg/m ³	V0
Chromium	0.000045	0.001345	µg/m ³	V0
Manganese	0.000028	0.002350	µg/m ³	V0
Iron	0.001585	0.143509	µg/m ³	V0
Cobalt	0.000005	0.000135	µg/m ³	V0
Nickel	0.000015	0.000424	µg/m ³	V0
Copper	0.000027	0.000872	µg/m ³	V0
Zinc	0.000149	0.001765	µg/m ³	V0
Arsenic	0.000005	0.000431	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000336	µg/m ³	V0
Strontium	0.000012	0.000884	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000089	µg/m ³	V0
Palladium	0.000050	0.000200	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000157	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	0.000032	µg/m ³	V0
Barium	0.000054	0.002312	µg/m ³	V0
Lanthanum	0.000004	0.000127	µg/m ³	V0
Cerium	0.000013	0.000272	µg/m ³	V0
Praseodymium	0.000002	0.000032	µg/m ³	V0
Neodymium	0.000005	0.000122	µg/m ³	V0
Samarium	0.000006	0.000026	µg/m ³	V0
Tantalum	0.000003	0.000262	µg/m ³	V0
Tungsten	0.000005	0.000067	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000073	µg/m ³	V0
Lead	0.000018	0.000179	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000076	µg/m ³	V0
Uranium	0.000003	0.000015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00
		Set Index:	1
		WBEA ID:	220602890
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		739.2	mmHg	
Particulate Matter	0.042	13.958	µg/m ³	V0
Lithium	0.000016	0.000394	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.044630	µg/m ³	V0
Magnesium	0.000279	0.100062	µg/m ³	V0
Aluminum	0.002800	0.288233	µg/m ³	V0
Silicon	0.010200	0.834150	µg/m ³	V0
Phosphorus	0.003480	0.058572	µg/m ³	V0
Potassium	0.000402	0.132589	µg/m ³	V0
Calcium	0.013042	0.423494	µg/m ³	V0
Titanium	0.000031	0.015032	µg/m ³	V0
Vanadium	0.000018	0.001560	µg/m ³	V0
Chromium	0.000045	0.001695	µg/m ³	V0
Manganese	0.000028	0.006197	µg/m ³	V0
Iron	0.001585	0.350260	µg/m ³	V0
Cobalt	0.000005	0.000258	µg/m ³	V0
Nickel	0.000015	0.000556	µg/m ³	V0
Copper	0.000027	0.002421	µg/m ³	V0
Zinc	0.000149	0.009920	µg/m ³	V0
Arsenic	0.000005	0.000184	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000496	µg/m ³	V0
Strontium	0.000012	0.001557	µg/m ³	V0
Niobium	0.000006	0.000096	µg/m ³	V0
Molybdenum	0.000025	0.000287	µg/m ³	V0
Palladium	0.000050	0.000161	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000654	µg/m ³	V0
Antimony	0.000016	0.000594	µg/m ³	V0
Cesium	0.000004	0.000032	µg/m ³	V0
Barium	0.000054	0.010134	µg/m ³	V0
Lanthanum	0.000004	0.000201	µg/m ³	V0
Cerium	0.000013	0.000462	µg/m ³	V0
Praseodymium	0.000002	0.000052	µg/m ³	V0
Neodymium	0.000005	0.000204	µg/m ³	V0
Samarium	0.000006	0.000041	µg/m ³	V0
Tantalum	0.000003	0.000236	µg/m ³	V0
Tungsten	0.000005	0.000360	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000038	µg/m ³	V0
Lead	0.000018	0.000405	µg/m ³	V0
Bismuth	0.000004	0.000042	µg/m ³	V0
Thorium	0.000002	0.000096	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602895
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.2	°C	
Pressure		729.7	mmHg	
Particulate Matter	0.042	10.667	µg/m ³	V0
Lithium	0.000016	0.000280	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.027057	µg/m ³	V0
Magnesium	0.000279	0.070272	µg/m ³	V0
Aluminum	0.002800	0.201367	µg/m ³	V0
Silicon	0.010200	0.646534	µg/m ³	V0
Phosphorus	0.003480	0.033854	µg/m ³	V0
Potassium	0.000402	0.093723	µg/m ³	V0
Calcium	0.013042	0.176633	µg/m ³	V0
Titanium	0.000031	0.008536	µg/m ³	V0
Vanadium	0.000018	0.000815	µg/m ³	V0
Chromium	0.000045	0.000697	µg/m ³	V0
Manganese	0.000028	0.002432	µg/m ³	V0
Iron	0.001585	0.141690	µg/m ³	V0
Cobalt	0.000005	0.000150	µg/m ³	V0
Nickel	0.000015	0.000317	µg/m ³	V0
Copper	0.000027	0.000414	µg/m ³	V0
Zinc	0.000149	0.002703	µg/m ³	V0
Arsenic	0.000005	0.000070	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000340	µg/m ³	V0
Strontium	0.000012	0.000878	µg/m ³	V0
Niobium	0.000006	0.000069	µg/m ³	V0
Molybdenum	0.000025	0.000056	µg/m ³	V0
Palladium	0.000050	0.000155	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000185	µg/m ³	V0
Antimony	0.000016	0.000145	µg/m ³	V0
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	0.002986	µg/m ³	V0
Lanthanum	0.000004	0.000117	µg/m ³	V0
Cerium	0.000013	0.000251	µg/m ³	V0
Praseodymium	0.000002	0.000031	µg/m ³	V0
Neodymium	0.000005	0.000115	µg/m ³	V0
Samarium	0.000006	0.000024	µg/m ³	V0
Tantalum	0.000003	0.000180	µg/m ³	V0
Tungsten	0.000005	0.000089	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000166	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000053	µg/m ³	V0
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602905	
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.8	°C	
Pressure		713.2	mmHg	
Particulate Matter	0.042	22.208	µg/m ³	V0
Lithium	0.000016	0.000423	µg/m ³	V0
Beryllium	0.000013	0.000018	µg/m ³	V0
Sodium	0.000777	0.091439	µg/m ³	V0
Magnesium	0.000279	0.170347	µg/m ³	V0
Aluminum	0.002800	0.373263	µg/m ³	V0
Silicon	0.010200	1.223148	µg/m ³	V0
Phosphorus	0.003480	0.041623	µg/m ³	V0
Potassium	0.000402	0.186106	µg/m ³	V0
Calcium	0.013042	0.551685	µg/m ³	V0
Titanium	0.000031	0.020801	µg/m ³	V0
Vanadium	0.000018	0.001839	µg/m ³	V0
Chromium	0.000045	0.001165	µg/m ³	V0
Manganese	0.000028	0.011083	µg/m ³	V0
Iron	0.001585	0.573078	µg/m ³	V0
Cobalt	0.000005	0.000293	µg/m ³	V0
Nickel	0.000015	0.000634	µg/m ³	V0
Copper	0.000027	0.000717	µg/m ³	V0
Zinc	0.000149	0.002899	µg/m ³	V0
Arsenic	0.000005	0.000145	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000753	µg/m ³	V0
Strontium	0.000012	0.002083	µg/m ³	V0
Niobium	0.000006	0.000115	µg/m ³	V0
Molybdenum	0.000025	0.000153	µg/m ³	V0
Palladium	0.000050	0.000106	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000223	µg/m ³	V0
Antimony	0.000016	0.000107	µg/m ³	V0
Cesium	0.000004	0.000030	µg/m ³	V0
Barium	0.000054	0.006674	µg/m ³	V0
Lanthanum	0.000004	0.000355	µg/m ³	V0
Cerium	0.000013	0.000737	µg/m ³	V0
Praseodymium	0.000002	0.000088	µg/m ³	V0
Neodymium	0.000005	0.000341	µg/m ³	V0
Samarium	0.000006	0.000061	µg/m ³	V0
Tantalum	0.000003	0.000263	µg/m ³	V0
Tungsten	0.000005	0.000221	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000022	µg/m ³	V0
Lead	0.000018	0.000354	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000131	µg/m ³	V0
Uranium	0.000003	0.000026	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602911
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.8	°C	
Pressure		720.7	mmHg	
Particulate Matter	0.042	9.250	µg/m ³	V0
Lithium	0.000016	0.000117	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017136	µg/m ³	V0
Magnesium	0.000279	0.062215	µg/m ³	V0
Aluminum	0.002800	0.108396	µg/m ³	V0
Silicon	0.010200	0.530983	µg/m ³	V0
Phosphorus	0.003480	0.023110	µg/m ³	V0
Potassium	0.000402	0.058732	µg/m ³	V0
Calcium	0.013042	0.185520	µg/m ³	V0
Titanium	0.000031	0.005996	µg/m ³	V0
Vanadium	0.000018	0.000425	µg/m ³	V0
Chromium	0.000045	0.001098	µg/m ³	V0
Manganese	0.000028	0.002740	µg/m ³	V0
Iron	0.001585	0.102572	µg/m ³	V0
Cobalt	0.000005	0.000087	µg/m ³	V0
Nickel	0.000015	0.000500	µg/m ³	V0
Copper	0.000027	0.000392	µg/m ³	V0
Zinc	0.000149	0.001413	µg/m ³	V0
Arsenic	0.000005	0.000032	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000201	µg/m ³	V0
Strontium	0.000012	0.000581	µg/m ³	V0
Niobium	0.000006	0.000081	µg/m ³	V0
Molybdenum	0.000025	0.000058	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000086	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.001916	µg/m ³	V0
Lanthanum	0.000004	0.000096	µg/m ³	V0
Cerium	0.000013	0.000208	µg/m ³	V0
Praseodymium	0.000002	0.000024	µg/m ³	V0
Neodymium	0.000005	0.000091	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000285	µg/m ³	V0
Tungsten	0.000005	0.000114	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000107	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000044	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00
		Set Index:	1
		WBEA ID:	220602918
		Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample. -SVB

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.8	°C	
Pressure		718.4	mmHg	
Particulate Matter	0.042	8.125	µg/m ³	V0
Lithium	0.000016	0.000126	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010170	µg/m ³	V0
Magnesium	0.000279	0.046744	µg/m ³	V0
Aluminum	0.002800	0.094994	µg/m ³	V0
Silicon	0.010200	0.242698	µg/m ³	V0
Phosphorus	0.003480	0.039472	µg/m ³	V0
Potassium	0.000402	0.077080	µg/m ³	V0
Calcium	0.013042	0.142444	µg/m ³	V0
Titanium	0.000031	0.004588	µg/m ³	V0
Vanadium	0.000018	0.000961	µg/m ³	V0
Chromium	0.000045	0.002598	µg/m ³	V0
Manganese	0.000028	0.002054	µg/m ³	V0
Iron	0.001585	0.103616	µg/m ³	V0
Cobalt	0.000005	0.000082	µg/m ³	V0
Nickel	0.000015	0.000426	µg/m ³	V0
Copper	0.000027	0.035033	µg/m ³	V4
Zinc	0.000149	0.019195	µg/m ³	V4
Arsenic	0.000005	0.000045	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000203	µg/m ³	V0
Strontium	0.000012	0.000468	µg/m ³	V0
Niobium	0.000006	0.000076	µg/m ³	V0
Molybdenum	0.000025	0.000265	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000243	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001339	µg/m ³	V0
Lanthanum	0.000004	0.000075	µg/m ³	V0
Cerium	0.000013	0.000168	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000075	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000270	µg/m ³	V0
Tungsten	0.000005	0.000094	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.002523	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602882
Start Date:	2022-06-28 00:00	End Date:	2022-06-28 23:46	Duration:	23.8 hr

Notes

Warning Message of Temp Difference - sample valid

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.9	°C	
Pressure		738.6	mmHg	
Particulate Matter	0.042	8.083	µg/m ³	V0
Lithium	0.000016	0.000264	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.064737	µg/m ³	V0
Magnesium	0.000279	0.089159	µg/m ³	V0
Aluminum	0.002800	0.245854	µg/m ³	V0
Silicon	0.010200	0.914683	µg/m ³	V0
Phosphorus	0.003480	0.029430	µg/m ³	V0
Potassium	0.000402	0.175248	µg/m ³	V0
Calcium	0.013042	0.087519	µg/m ³	V0
Titanium	0.000031	0.015534	µg/m ³	V0
Vanadium	0.000018	0.000366	µg/m ³	V0
Chromium	0.000045	0.000782	µg/m ³	V0
Manganese	0.000028	0.003505	µg/m ³	V0
Iron	0.001585	0.164315	µg/m ³	V0
Cobalt	0.000005	0.000124	µg/m ³	V0
Nickel	0.000015	0.000255	µg/m ³	V0
Copper	0.000027	0.000183	µg/m ³	V0
Zinc	0.000149	0.000531	µg/m ³	V0
Arsenic	0.000005	0.000169	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000528	µg/m ³	V0
Strontium	0.000012	0.001235	µg/m ³	V0
Niobium	0.000006	0.000113	µg/m ³	V0
Molybdenum	0.000025	0.000044	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000124	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.005582	µg/m ³	V0
Lanthanum	0.000004	0.000441	µg/m ³	V0
Cerium	0.000013	0.000863	µg/m ³	V0
Praseodymium	0.000002	0.000097	µg/m ³	V0
Neodymium	0.000005	0.000335	µg/m ³	V0
Samarium	0.000006	0.000045	µg/m ³	V0
Tantalum	0.000003	0.000366	µg/m ³	V0
Tungsten	0.000005	0.000079	µg/m ³	V0
Platinum	0.000004	0.000044	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000134	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000108	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220603006
Start Date:	2022-06-30 14:15	End Date:	2022-06-30 14:16	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	
Particulate Matter	0.042	0.000	µg/m ³	
Lithium	0.000016	0.000040	µg/m ³	
Beryllium	0.000013	0.000002	µg/m ³	
Sodium	0.000777	0.000000	µg/m ³	
Magnesium	0.000279	0.001864	µg/m ³	
Aluminum	0.002800	0.002546	µg/m ³	
Silicon	0.010200	0.016090	µg/m ³	
Phosphorus	0.003480	0.019340	µg/m ³	
Potassium	0.000402	0.002556	µg/m ³	
Calcium	0.013042	0.016572	µg/m ³	
Titanium	0.000031	0.000332	µg/m ³	
Vanadium	0.000018	0.000000	µg/m ³	
Chromium	0.000045	0.000717	µg/m ³	
Manganese	0.000028	0.000114	µg/m ³	
Iron	0.001585	0.005698	µg/m ³	
Cobalt	0.000005	0.000021	µg/m ³	
Nickel	0.000015	0.000243	µg/m ³	
Copper	0.000027	0.000909	µg/m ³	
Zinc	0.000149	0.000000	µg/m ³	
Arsenic	0.000005	0.000004	µg/m ³	
Selenium	0.000133	0.000000	µg/m ³	
Rubidium	0.000003	0.000000	µg/m ³	
Strontium	0.000012	0.000014	µg/m ³	
Niobium	0.000006	0.000077	µg/m ³	
Molybdenum	0.000025	0.000048	µg/m ³	
Palladium	0.000050	0.000000	µg/m ³	
Silver	0.000006	0.000001	µg/m ³	
Cadmium	0.000011	0.000001	µg/m ³	
Tin	0.000008	0.000000	µg/m ³	
Antimony	0.000016	0.000010	µg/m ³	
Cesium	0.000004	0.000000	µg/m ³	
Barium	0.000054	0.000000	µg/m ³	
Lanthanum	0.000004	0.000000	µg/m ³	
Cerium	0.000013	0.000001	µg/m ³	
Praseodymium	0.000002	0.000000	µg/m ³	
Neodymium	0.000005	0.000001	µg/m ³	
Samarium	0.000006	0.000000	µg/m ³	
Tantalum	0.000003	0.000430	µg/m ³	
Tungsten	0.000005	0.000050	µg/m ³	
Platinum	0.000004	0.000060	µg/m ³	
Thallium	0.000005	0.000001	µg/m ³	
Lead	0.000018	0.000000	µg/m ³	
Bismuth	0.000004	0.000000	µg/m ³	
Thorium	0.000002	0.000000	µg/m ³	
Uranium	0.000003	0.000000	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220602932
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.3	°C	
Pressure		737.4	mmHg	
Particulate Matter	0.042	52.708	µg/m ³	V0
Lithium	0.000016	0.003772	µg/m ³	V0
Beryllium	0.000013	0.000121	µg/m ³	V0
Sodium	0.000777	0.183276	µg/m ³	V0
Magnesium	0.000279	0.570922	µg/m ³	V0
Aluminum	0.002800	2.468414	µg/m ³	V0
Silicon	0.010200	1.585913	µg/m ³	V0
Phosphorus	0.003480	0.049401	µg/m ³	V0
Potassium	0.000402	0.633400	µg/m ³	V0
Calcium	0.013042	2.890975	µg/m ³	V0
Titanium	0.000031	0.123761	µg/m ³	V0
Vanadium	0.000018	0.008902	µg/m ³	V0
Chromium	0.000045	0.006315	µg/m ³	V0
Manganese	0.000028	0.056768	µg/m ³	V0
Iron	0.001585	3.214998	µg/m ³	V0
Cobalt	0.000005	0.001454	µg/m ³	V0
Nickel	0.000015	0.002139	µg/m ³	V0
Copper	0.000027	0.001294	µg/m ³	V0
Zinc	0.000149	0.005520	µg/m ³	V0
Arsenic	0.000005	0.000671	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.004355	µg/m ³	V0
Strontium	0.000012	0.012302	µg/m ³	V0
Niobium	0.000006	0.000474	µg/m ³	V0
Molybdenum	0.000025	0.000474	µg/m ³	V0
Palladium	0.000050	0.000121	µg/m ³	V0
Silver	0.000006	0.000021	µg/m ³	V0
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000116	µg/m ³	V0
Antimony	0.000016	0.000055	µg/m ³	V0
Cesium	0.000004	0.000243	µg/m ³	V0
Barium	0.000054	0.027850	µg/m ³	V0
Lanthanum	0.000004	0.001917	µg/m ³	V0
Cerium	0.000013	0.004207	µg/m ³	V0
Praseodymium	0.000002	0.000492	µg/m ³	V0
Neodymium	0.000005	0.001920	µg/m ³	V0
Samarium	0.000006	0.000333	µg/m ³	V0
Tantalum	0.000003	0.000394	µg/m ³	V0
Tungsten	0.000005	0.000474	µg/m ³	V0
Platinum	0.000004	0.000043	µg/m ³	V0
Thallium	0.000005	0.000042	µg/m ³	V0
Lead	0.000018	0.001153	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000645	µg/m ³	V0
Uranium	0.000003	0.000145	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602945
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		738.4	mmHg	
Particulate Matter	0.042	46.583	µg/m ³	V0
Lithium	0.000016	0.003671	µg/m ³	V0
Beryllium	0.000013	0.000100	µg/m ³	V0
Sodium	0.000777	0.144621	µg/m ³	V0
Magnesium	0.000279	0.372952	µg/m ³	V0
Aluminum	0.002800	2.366766	µg/m ³	V0
Silicon	0.010200	1.402251	µg/m ³	V0
Phosphorus	0.003480	0.039317	µg/m ³	V0
Potassium	0.000402	0.566406	µg/m ³	V0
Calcium	0.013042	4.172626	µg/m ³	V0
Titanium	0.000031	0.110628	µg/m ³	V0
Vanadium	0.000018	0.007051	µg/m ³	V0
Chromium	0.000045	0.003238	µg/m ³	V0
Manganese	0.000028	0.034519	µg/m ³	V0
Iron	0.001585	1.577977	µg/m ³	V0
Cobalt	0.000005	0.001176	µg/m ³	V0
Nickel	0.000015	0.001956	µg/m ³	V0
Copper	0.000027	0.001240	µg/m ³	V0
Zinc	0.000149	0.004163	µg/m ³	V0
Arsenic	0.000005	0.000556	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.003954	µg/m ³	V0
Strontium	0.000012	0.011371	µg/m ³	V0
Niobium	0.000006	0.000441	µg/m ³	V0
Molybdenum	0.000025	0.000333	µg/m ³	V0
Palladium	0.000050	0.000127	µg/m ³	V0
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000052	µg/m ³	V0
Antimony	0.000016	0.000108	µg/m ³	V0
Cesium	0.000004	0.000242	µg/m ³	V0
Barium	0.000054	0.021098	µg/m ³	V0
Lanthanum	0.000004	0.001541	µg/m ³	V0
Cerium	0.000013	0.003423	µg/m ³	V0
Praseodymium	0.000002	0.000407	µg/m ³	V0
Neodymium	0.000005	0.001576	µg/m ³	V0
Samarium	0.000006	0.000269	µg/m ³	V0
Tantalum	0.000003	0.000478	µg/m ³	V0
Tungsten	0.000005	0.000268	µg/m ³	V0
Platinum	0.000004	0.000059	µg/m ³	V0
Thallium	0.000005	0.000033	µg/m ³	V0
Lead	0.000018	0.000984	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	0.000546	µg/m ³	V0
Uranium	0.000003	0.000116	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602963
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	8.958	µg/m ³	V0
Lithium	0.000016	0.000209	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035989	µg/m ³	V0
Magnesium	0.000279	0.073371	µg/m ³	V0
Aluminum	0.002800	0.133068	µg/m ³	V0
Silicon	0.010200	0.499918	µg/m ³	V0
Phosphorus	0.003480	0.029966	µg/m ³	V0
Potassium	0.000402	0.079434	µg/m ³	V0
Calcium	0.013042	0.257917	µg/m ³	V0
Titanium	0.000031	0.007033	µg/m ³	V0
Vanadium	0.000018	0.000365	µg/m ³	V0
Chromium	0.000045	0.001511	µg/m ³	V0
Manganese	0.000028	0.003784	µg/m ³	V0
Iron	0.001585	0.172109	µg/m ³	V0
Cobalt	0.000005	0.000165	µg/m ³	V0
Nickel	0.000015	0.000655	µg/m ³	V0
Copper	0.000027	0.001248	µg/m ³	V0
Zinc	0.000149	0.006238	µg/m ³	V0
Arsenic	0.000005	0.000230	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000298	µg/m ³	V0
Strontium	0.000012	0.000917	µg/m ³	V0
Niobium	0.000006	0.000138	µg/m ³	V0
Molybdenum	0.000025	0.000160	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000182	µg/m ³	V0
Antimony	0.000016	0.000286	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.004175	µg/m ³	V0
Lanthanum	0.000004	0.000102	µg/m ³	V0
Cerium	0.000013	0.000227	µg/m ³	V0
Praseodymium	0.000002	0.000027	µg/m ³	V0
Neodymium	0.000005	0.000100	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000597	µg/m ³	V0
Tungsten	0.000005	0.000246	µg/m ³	V0
Platinum	0.000004	0.000064	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000186	µg/m ³	V0
Bismuth	0.000004	0.000031	µg/m ³	V0
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Metal**
Location: **Fort McKay South**
Start Date: **2022-07-04 00:00**

Samp Use: **Exposure**
Loc ID: **FMCS**
End Date: **2022-07-05 00:00**

Set Index: **1**
WBEA ID: **220602969**
Duration: **24.0 hr**

Notes

Upon collection of sample, filter was white while other filter collected was dirty. Believe sample tray not seated properly to be the culprit. Leak check now passes. Unclear on quality of sample collected on this particular filter. Mass is similar to Field Blank. Invalidating results.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2
Temperature		18.6	°C	
Pressure		738.9	mmHg	
Particulate Matter	0.042	-9999	µg/m ³	M2
Lithium	0.000016	-9999	µg/m ³	M2
Beryllium	0.000013	-9999	µg/m ³	M2
Sodium	0.000777	-9999	µg/m ³	M2
Magnesium	0.000279	-9999	µg/m ³	M2
Aluminum	0.002800	-9999	µg/m ³	M2
Silicon	0.010200	-9999	µg/m ³	M2
Phosphorus	0.003480	-9999	µg/m ³	M2
Potassium	0.000402	-9999	µg/m ³	M2
Calcium	0.013042	-9999	µg/m ³	M2
Titanium	0.000031	-9999	µg/m ³	M2
Vanadium	0.000018	-9999	µg/m ³	M2
Chromium	0.000045	-9999	µg/m ³	M2
Manganese	0.000028	-9999	µg/m ³	M2
Iron	0.001585	-9999	µg/m ³	M2
Cobalt	0.000005	-9999	µg/m ³	M2
Nickel	0.000015	-9999	µg/m ³	M2
Copper	0.000027	-9999	µg/m ³	M2
Zinc	0.000149	-9999	µg/m ³	M2
Arsenic	0.000005	-9999	µg/m ³	M2
Selenium	0.000133	-9999	µg/m ³	M2
Rubidium	0.000003	-9999	µg/m ³	M2
Strontium	0.000012	-9999	µg/m ³	M2
Niobium	0.000006	-9999	µg/m ³	M2
Molybdenum	0.000025	-9999	µg/m ³	M2
Palladium	0.000050	-9999	µg/m ³	M2
Silver	0.000006	-9999	µg/m ³	M2
Cadmium	0.000011	-9999	µg/m ³	M2
Tin	0.000008	-9999	µg/m ³	M2
Antimony	0.000016	-9999	µg/m ³	M2
Cesium	0.000004	-9999	µg/m ³	M2
Barium	0.000054	-9999	µg/m ³	M2
Lanthanum	0.000004	-9999	µg/m ³	M2
Cerium	0.000013	-9999	µg/m ³	M2
Praseodymium	0.000002	-9999	µg/m ³	M2
Neodymium	0.000005	-9999	µg/m ³	M2
Samarium	0.000006	-9999	µg/m ³	M2
Tantalum	0.000003	-9999	µg/m ³	M2
Tungsten	0.000005	-9999	µg/m ³	M2
Platinum	0.000004	-9999	µg/m ³	M2
Thallium	0.000005	-9999	µg/m ³	M2
Lead	0.000018	-9999	µg/m ³	M2
Bismuth	0.000004	-9999	µg/m ³	M2
Thorium	0.000002	-9999	µg/m ³	M2
Uranium	0.000003	-9999	µg/m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602974
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.8	°C	
Pressure		740.3	mmHg	
Particulate Matter	0.042	10.792	µg/m ³	V0
Lithium	0.000016	0.000225	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.025038	µg/m ³	V0
Magnesium	0.000279	0.063532	µg/m ³	V0
Aluminum	0.002800	0.131106	µg/m ³	V0
Silicon	0.010200	0.767840	µg/m ³	V0
Phosphorus	0.003480	0.025359	µg/m ³	V0
Potassium	0.000402	0.068516	µg/m ³	V0
Calcium	0.013042	0.246732	µg/m ³	V0
Titanium	0.000031	0.007180	µg/m ³	V0
Vanadium	0.000018	0.000314	µg/m ³	V0
Chromium	0.000045	0.000805	µg/m ³	V0
Manganese	0.000028	0.003273	µg/m ³	V0
Iron	0.001585	0.163096	µg/m ³	V0
Cobalt	0.000005	0.000112	µg/m ³	V0
Nickel	0.000015	0.000410	µg/m ³	V0
Copper	0.000027	0.000709	µg/m ³	V0
Zinc	0.000149	0.003799	µg/m ³	V0
Arsenic	0.000005	0.000213	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000312	µg/m ³	V0
Strontium	0.000012	0.000821	µg/m ³	V0
Niobium	0.000006	0.000096	µg/m ³	V0
Molybdenum	0.000025	0.000079	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000112	µg/m ³	V0
Antimony	0.000016	0.000230	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.003932	µg/m ³	V0
Lanthanum	0.000004	0.000104	µg/m ³	V0
Cerium	0.000013	0.000231	µg/m ³	V0
Praseodymium	0.000002	0.000028	µg/m ³	V0
Neodymium	0.000005	0.000102	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000428	µg/m ³	V0
Tungsten	0.000005	0.000223	µg/m ³	V0
Platinum	0.000004	0.000039	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000140	µg/m ³	V0
Bismuth	0.000004	0.000048	µg/m ³	V0
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Ells River	Loc ID:	ELSR
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00
		Set Index:	1
		WBEA ID:	220602979
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.5	°C	
Pressure		736.5	mmHg	
Particulate Matter	0.042	22.750	µg/m ³	V0
Lithium	0.000016	0.001534	µg/m ³	V0
Beryllium	0.000013	0.000045	µg/m ³	V0
Sodium	0.000777	0.074598	µg/m ³	V0
Magnesium	0.000279	0.194478	µg/m ³	V0
Aluminum	0.002800	0.935360	µg/m ³	V0
Silicon	0.010200	1.162094	µg/m ³	V0
Phosphorus	0.003480	0.035674	µg/m ³	V0
Potassium	0.000402	0.259903	µg/m ³	V0
Calcium	0.013042	0.999572	µg/m ³	V0
Titanium	0.000031	0.042051	µg/m ³	V0
Vanadium	0.000018	0.002851	µg/m ³	V0
Chromium	0.000045	0.001964	µg/m ³	V0
Manganese	0.000028	0.019626	µg/m ³	V0
Iron	0.001585	1.069876	µg/m ³	V0
Cobalt	0.000005	0.000489	µg/m ³	V0
Nickel	0.000015	0.000845	µg/m ³	V0
Copper	0.000027	0.000723	µg/m ³	V0
Zinc	0.000149	0.001669	µg/m ³	V0
Arsenic	0.000005	0.000229	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001472	µg/m ³	V0
Strontium	0.000012	0.004057	µg/m ³	V0
Niobium	0.000006	0.000187	µg/m ³	V0
Molybdenum	0.000025	0.000178	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000030	µg/m ³	V0
Antimony	0.000016	0.000042	µg/m ³	V0
Cesium	0.000004	0.000090	µg/m ³	V0
Barium	0.000054	0.010121	µg/m ³	V0
Lanthanum	0.000004	0.000642	µg/m ³	V0
Cerium	0.000013	0.001389	µg/m ³	V0
Praseodymium	0.000002	0.000167	µg/m ³	V0
Neodymium	0.000005	0.000637	µg/m ³	V0
Samarium	0.000006	0.000106	µg/m ³	V0
Tantalum	0.000003	0.000273	µg/m ³	V0
Tungsten	0.000005	0.000134	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000504	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000210	µg/m ³	V0
Uranium	0.000003	0.000045	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602984
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		742.3	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Lithium	0.000016	0.000110	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014204	µg/m ³	V0
Magnesium	0.000279	0.021771	µg/m ³	V0
Aluminum	0.002800	0.074750	µg/m ³	V0
Silicon	0.010200	0.327940	µg/m ³	V0
Phosphorus	0.003480	0.024959	µg/m ³	V0
Potassium	0.000402	0.036200	µg/m ³	V0
Calcium	0.013042	0.040025	µg/m ³	V0
Titanium	0.000031	0.003339	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000545	µg/m ³	V0
Manganese	0.000028	0.000996	µg/m ³	V0
Iron	0.001585	0.036766	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000235	µg/m ³	V0
Copper	0.000027	0.000189	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000097	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000136	µg/m ³	V0
Strontium	0.000012	0.000302	µg/m ³	V0
Niobium	0.000006	0.000077	µg/m ³	V0
Molybdenum	0.000025	0.000030	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001067	µg/m ³	V0
Lanthanum	0.000004	0.000083	µg/m ³	V0
Cerium	0.000013	0.000168	µg/m ³	V0
Praseodymium	0.000002	0.000020	µg/m ³	V0
Neodymium	0.000005	0.000062	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000380	µg/m ³	V0
Tungsten	0.000005	0.000079	µg/m ³	V0
Platinum	0.000004	0.000068	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000064	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602995
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.5	°C	
Pressure		713.3	mmHg	
Particulate Matter	0.042	20.292	µg/m ³	V0
Lithium	0.000016	0.000412	µg/m ³	V0
Beryllium	0.000013	0.000018	µg/m ³	V0
Sodium	0.000777	0.085305	µg/m ³	V0
Magnesium	0.000279	0.161428	µg/m ³	V0
Aluminum	0.002800	0.369754	µg/m ³	V0
Silicon	0.010200	1.310029	µg/m ³	V0
Phosphorus	0.003480	0.035799	µg/m ³	V0
Potassium	0.000402	0.143559	µg/m ³	V0
Calcium	0.013042	0.509275	µg/m ³	V0
Titanium	0.000031	0.014375	µg/m ³	V0
Vanadium	0.000018	0.001032	µg/m ³	V0
Chromium	0.000045	0.000743	µg/m ³	V0
Manganese	0.000028	0.010280	µg/m ³	V0
Iron	0.001585	0.449370	µg/m ³	V0
Cobalt	0.000005	0.000200	µg/m ³	V0
Nickel	0.000015	0.000530	µg/m ³	V0
Copper	0.000027	0.000591	µg/m ³	V0
Zinc	0.000149	0.001928	µg/m ³	V0
Arsenic	0.000005	0.000287	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000697	µg/m ³	V0
Strontium	0.000012	0.001805	µg/m ³	V0
Niobium	0.000006	0.000105	µg/m ³	V0
Molybdenum	0.000025	0.000056	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	0.000027	µg/m ³	V0
Barium	0.000054	0.005536	µg/m ³	V0
Lanthanum	0.000004	0.000310	µg/m ³	V0
Cerium	0.000013	0.000643	µg/m ³	V0
Praseodymium	0.000002	0.000074	µg/m ³	V0
Neodymium	0.000005	0.000286	µg/m ³	V0
Samarium	0.000006	0.000047	µg/m ³	V0
Tantalum	0.000003	0.000392	µg/m ³	V0
Tungsten	0.000005	0.000179	µg/m ³	V0
Platinum	0.000004	0.000054	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000277	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000101	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602998
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		721.1	mmHg	
Particulate Matter	0.042	7.917	µg/m ³	V0
Lithium	0.000016	0.000042	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005718	µg/m ³	V0
Aluminum	0.002800	0.013571	µg/m ³	V0
Silicon	0.010200	0.149989	µg/m ³	V0
Phosphorus	0.003480	0.026295	µg/m ³	V0
Potassium	0.000402	0.015563	µg/m ³	V0
Calcium	0.013042	0.023458	µg/m ³	V0
Titanium	0.000031	0.001063	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000700	µg/m ³	V0
Manganese	0.000028	0.000500	µg/m ³	V0
Iron	0.001585	0.012745	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000269	µg/m ³	V0
Copper	0.000027	0.000044	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000098	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000046	µg/m ³	V0
Strontium	0.000012	0.000065	µg/m ³	V0
Niobium	0.000006	0.000101	µg/m ³	V0
Molybdenum	0.000025	0.000033	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000153	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000018	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000524	µg/m ³	V0
Tungsten	0.000005	0.000097	µg/m ³	V0
Platinum	0.000004	0.000064	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000025	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220603010
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

White fibers found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.1	°C	
Pressure		719.3	mmHg	
Particulate Matter	0.042	7.625	µg/m ³	V0
Lithium	0.000016	0.000138	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017611	µg/m ³	V0
Magnesium	0.000279	0.060934	µg/m ³	V0
Aluminum	0.002800	0.113858	µg/m ³	V0
Silicon	0.010200	0.312108	µg/m ³	V0
Phosphorus	0.003480	0.036349	µg/m ³	V0
Potassium	0.000402	0.067005	µg/m ³	V0
Calcium	0.013042	0.215046	µg/m ³	V0
Titanium	0.000031	0.004080	µg/m ³	V0
Vanadium	0.000018	0.000227	µg/m ³	V0
Chromium	0.000045	0.000890	µg/m ³	V0
Manganese	0.000028	0.003131	µg/m ³	V0
Iron	0.001585	0.114467	µg/m ³	V0
Cobalt	0.000005	0.000076	µg/m ³	V0
Nickel	0.000015	0.000442	µg/m ³	V0
Copper	0.000027	0.000272	µg/m ³	V0
Zinc	0.000149	0.001322	µg/m ³	V0
Arsenic	0.000005	0.000147	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000234	µg/m ³	V0
Strontium	0.000012	0.000533	µg/m ³	V0
Niobium	0.000006	0.000094	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000025	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.001263	µg/m ³	V0
Lanthanum	0.000004	0.000069	µg/m ³	V0
Cerium	0.000013	0.000143	µg/m ³	V0
Praseodymium	0.000002	0.000017	µg/m ³	V0
Neodymium	0.000005	0.000067	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000477	µg/m ³	V0
Tungsten	0.000005	0.000111	µg/m ³	V0
Platinum	0.000004	0.000061	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000134	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000021	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220703022
Start Date:	2022-07-05 11:40	End Date:	2022-07-05 11:41	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000037	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002288	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.019118	µg/m ³	V0
Potassium	0.000402	0.002294	µg/m ³	V0
Calcium	0.013042	0.017873	µg/m ³	V0
Titanium	0.000031	0.000387	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000531	µg/m ³	V0
Manganese	0.000028	0.000101	µg/m ³	V0
Iron	0.001585	0.005304	µg/m ³	V0
Cobalt	0.000005	0.000084	µg/m ³	V0
Nickel	0.000015	0.000467	µg/m ³	V0
Copper	0.000027	0.000231	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000109	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000063	µg/m ³	V0
Niobium	0.000006	0.000087	µg/m ³	V0
Molybdenum	0.000025	0.000075	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000065	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000523	µg/m ³	V0
Tungsten	0.000005	0.000063	µg/m ³	V0
Platinum	0.000004	0.000058	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Janvier	Loc ID:	JANV
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00
		Set Index:	1
		WBEA ID:	220703018
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		715.5	mmHg	
Particulate Matter	0.042	8.083	µg/m ³	V0
Lithium	0.000016	0.000186	µg/m ³	V0
Beryllium	0.000013	0.000030	µg/m ³	V0
Sodium	0.000777	0.013132	µg/m ³	V0
Magnesium	0.000279	0.024083	µg/m ³	V0
Aluminum	0.002800	0.070722	µg/m ³	V0
Silicon	0.010200	0.265919	µg/m ³	V0
Phosphorus	0.003480	0.032013	µg/m ³	V0
Potassium	0.000402	0.047756	µg/m ³	V0
Calcium	0.013042	0.089156	µg/m ³	V0
Titanium	0.000031	0.002340	µg/m ³	V0
Vanadium	0.000018	0.000021	µg/m ³	V0
Chromium	0.000045	0.000605	µg/m ³	V0
Manganese	0.000028	0.001386	µg/m ³	V0
Iron	0.001585	0.045822	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000317	µg/m ³	V0
Copper	0.000027	0.000362	µg/m ³	V0
Zinc	0.000149	0.000705	µg/m ³	V0
Arsenic	0.000005	0.000368	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000163	µg/m ³	V0
Strontium	0.000012	0.000264	µg/m ³	V0
Niobium	0.000006	0.000074	µg/m ³	V0
Molybdenum	0.000025	0.000055	µg/m ³	V0
Palladium	0.000050	0.000144	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	0.000022	µg/m ³	V0
Barium	0.000054	0.000893	µg/m ³	V0
Lanthanum	0.000004	0.000048	µg/m ³	V0
Cerium	0.000013	0.000088	µg/m ³	V0
Praseodymium	0.000002	0.000020	µg/m ³	V0
Neodymium	0.000005	0.000046	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000574	µg/m ³	V0
Tungsten	0.000005	0.000115	µg/m ³	V0
Platinum	0.000004	0.000045	µg/m ³	V0
Thallium	0.000005	0.000115	µg/m ³	V0
Lead	0.000018	0.000099	µg/m ³	V0
Bismuth	0.000004	0.000115	µg/m ³	V0
Thorium	0.000002	0.000098	µg/m ³	V0
Uranium	0.000003	0.000025	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Conklin	Samp Use: Exposure	WBEA ID: 220703026
Start Date:	2022-07-10 00:00	Loc ID: CONK	Duration: 24.0 hr
		End Date: 2022-07-11 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		708.4	mmHg	
Particulate Matter	0.042	7.333	µg/m ³	V0
Lithium	0.000016	0.000099	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014038	µg/m ³	V0
Magnesium	0.000279	0.032625	µg/m ³	V0
Aluminum	0.002800	0.099213	µg/m ³	V0
Silicon	0.010200	0.324776	µg/m ³	V0
Phosphorus	0.003480	0.034470	µg/m ³	V0
Potassium	0.000402	0.059279	µg/m ³	V0
Calcium	0.013042	0.095304	µg/m ³	V0
Titanium	0.000031	0.003396	µg/m ³	V0
Vanadium	0.000018	0.000142	µg/m ³	V0
Chromium	0.000045	0.000777	µg/m ³	V0
Manganese	0.000028	0.001914	µg/m ³	V0
Iron	0.001585	0.086601	µg/m ³	V0
Cobalt	0.000005	0.000055	µg/m ³	V0
Nickel	0.000015	0.000337	µg/m ³	V0
Copper	0.000027	0.000415	µg/m ³	V0
Zinc	0.000149	0.000429	µg/m ³	V0
Arsenic	0.000005	0.000161	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000201	µg/m ³	V0
Strontium	0.000012	0.000371	µg/m ³	V0
Niobium	0.000006	0.000106	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.001368	µg/m ³	V0
Lanthanum	0.000004	0.000056	µg/m ³	V0
Cerium	0.000013	0.000125	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000051	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000558	µg/m ³	V0
Tungsten	0.000005	0.000110	µg/m ³	V0
Platinum	0.000004	0.000062	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000120	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000018	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220703044
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		731.4	mmHg	
Particulate Matter	0.042	19.083	µg/m ³	V0
Lithium	0.000016	0.001163	µg/m ³	V0
Beryllium	0.000013	0.000035	µg/m ³	V0
Sodium	0.000777	0.083531	µg/m ³	V0
Magnesium	0.000279	0.185610	µg/m ³	V0
Aluminum	0.002800	0.773528	µg/m ³	V0
Silicon	0.010200	2.615089	µg/m ³	V0
Phosphorus	0.003480	0.041611	µg/m ³	V0
Potassium	0.000402	0.253742	µg/m ³	V0
Calcium	0.013042	0.152191	µg/m ³	V0
Titanium	0.000031	0.035511	µg/m ³	V0
Vanadium	0.000018	0.003170	µg/m ³	V0
Chromium	0.000045	0.002508	µg/m ³	V0
Manganese	0.000028	0.005346	µg/m ³	V0
Iron	0.001585	0.413504	µg/m ³	V0
Cobalt	0.000005	0.000370	µg/m ³	V0
Nickel	0.000015	0.000765	µg/m ³	V0
Copper	0.000027	0.000595	µg/m ³	V0
Zinc	0.000149	0.001370	µg/m ³	V0
Arsenic	0.000005	0.000476	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001328	µg/m ³	V0
Strontium	0.000012	0.002713	µg/m ³	V0
Niobium	0.000006	0.000169	µg/m ³	V0
Molybdenum	0.000025	0.000110	µg/m ³	V0
Palladium	0.000050	0.000142	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000025	µg/m ³	V0
Cesium	0.000004	0.000113	µg/m ³	V0
Barium	0.000054	0.008407	µg/m ³	V0
Lanthanum	0.000004	0.000415	µg/m ³	V0
Cerium	0.000013	0.000862	µg/m ³	V0
Praseodymium	0.000002	0.000113	µg/m ³	V0
Neodymium	0.000005	0.000414	µg/m ³	V0
Samarium	0.000006	0.000078	µg/m ³	V0
Tantalum	0.000003	0.000589	µg/m ³	V0
Tungsten	0.000005	0.000143	µg/m ³	V0
Platinum	0.000004	0.000034	µg/m ³	V0
Thallium	0.000005	0.000119	µg/m ³	V0
Lead	0.000018	0.000294	µg/m ³	V0
Bismuth	0.000004	0.000080	µg/m ³	V0
Thorium	0.000002	0.000220	µg/m ³	V0
Uranium	0.000003	0.000037	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703047
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.4	°C	
Pressure		728.9	mmHg	
Particulate Matter	0.042	5.708	µg/m ³	V0
Lithium	0.000016	0.000088	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004952	µg/m ³	V0
Magnesium	0.000279	0.017275	µg/m ³	V0
Aluminum	0.002800	0.058245	µg/m ³	V0
Silicon	0.010200	0.087900	µg/m ³	V0
Phosphorus	0.003480	0.079978	µg/m ³	V0
Potassium	0.000402	0.055480	µg/m ³	V0
Calcium	0.013042	0.050433	µg/m ³	V0
Titanium	0.000031	0.001823	µg/m ³	V0
Vanadium	0.000018	0.000027	µg/m ³	V0
Chromium	0.000045	0.000801	µg/m ³	V0
Manganese	0.000028	0.001108	µg/m ³	V0
Iron	0.001585	0.032794	µg/m ³	V0
Cobalt	0.000005	0.000038	µg/m ³	V0
Nickel	0.000015	0.000257	µg/m ³	V0
Copper	0.000027	0.000204	µg/m ³	V0
Zinc	0.000149	0.001572	µg/m ³	V0
Arsenic	0.000005	0.000045	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000116	µg/m ³	V0
Strontium	0.000012	0.000253	µg/m ³	V0
Niobium	0.000006	0.000070	µg/m ³	V0
Molybdenum	0.000025	0.000047	µg/m ³	V0
Palladium	0.000050	0.000115	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000655	µg/m ³	V0
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	0.000049	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000426	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	0.000070	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000041	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703055	
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.5	°C	
Pressure		730.7	mmHg	
Particulate Matter	0.042	10.292	µg/m ³	V0
Lithium	0.000016	0.000335	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.026339	µg/m ³	V0
Magnesium	0.000279	0.053953	µg/m ³	V0
Aluminum	0.002800	0.208487	µg/m ³	V0
Silicon	0.010200	1.020153	µg/m ³	V0
Phosphorus	0.003480	0.035825	µg/m ³	V0
Potassium	0.000402	0.083135	µg/m ³	V0
Calcium	0.013042	0.081588	µg/m ³	V0
Titanium	0.000031	0.008336	µg/m ³	V0
Vanadium	0.000018	0.000533	µg/m ³	V0
Chromium	0.000045	0.000766	µg/m ³	V0
Manganese	0.000028	0.001948	µg/m ³	V0
Iron	0.001585	0.112114	µg/m ³	V0
Cobalt	0.000005	0.000112	µg/m ³	V0
Nickel	0.000015	0.000324	µg/m ³	V0
Copper	0.000027	0.000516	µg/m ³	V0
Zinc	0.000149	0.000278	µg/m ³	V0
Arsenic	0.000005	0.000222	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000346	µg/m ³	V0
Strontium	0.000012	0.000715	µg/m ³	V0
Niobium	0.000006	0.000094	µg/m ³	V0
Molybdenum	0.000025	0.000037	µg/m ³	V0
Palladium	0.000050	0.000067	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	0.000027	µg/m ³	V0
Barium	0.000054	0.002269	µg/m ³	V0
Lanthanum	0.000004	0.000097	µg/m ³	V0
Cerium	0.000013	0.000207	µg/m ³	V0
Praseodymium	0.000002	0.000028	µg/m ³	V0
Neodymium	0.000005	0.000103	µg/m ³	V0
Samarium	0.000006	0.000020	µg/m ³	V0
Tantalum	0.000003	0.000423	µg/m ³	V0
Tungsten	0.000005	0.000072	µg/m ³	V0
Platinum	0.000004	0.000041	µg/m ³	V0
Thallium	0.000005	0.000028	µg/m ³	V0
Lead	0.000018	0.000100	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000047	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703072
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

Small hole observed in filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		733.6	mmHg	
Particulate Matter	0.042	10.417	µg/m ³	V0
Lithium	0.000016	0.000199	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.050975	µg/m ³	V0
Magnesium	0.000279	0.041775	µg/m ³	V0
Aluminum	0.002800	0.103282	µg/m ³	V0
Silicon	0.010200	0.336422	µg/m ³	V0
Phosphorus	0.003480	0.036928	µg/m ³	V0
Potassium	0.000402	0.069810	µg/m ³	V0
Calcium	0.013042	0.133739	µg/m ³	V0
Titanium	0.000031	0.004112	µg/m ³	V0
Vanadium	0.000018	0.000205	µg/m ³	V0
Chromium	0.000045	0.001093	µg/m ³	V0
Manganese	0.000028	0.002719	µg/m ³	V0
Iron	0.001585	0.106193	µg/m ³	V0
Cobalt	0.000005	0.000081	µg/m ³	V0
Nickel	0.000015	0.000449	µg/m ³	V0
Copper	0.000027	0.001094	µg/m ³	V0
Zinc	0.000149	0.003034	µg/m ³	V0
Arsenic	0.000005	0.000195	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000207	µg/m ³	V0
Strontium	0.000012	0.000560	µg/m ³	V0
Niobium	0.000006	0.000070	µg/m ³	V0
Molybdenum	0.000025	0.002128	µg/m ³	V4
Palladium	0.000050	0.000087	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000124	µg/m ³	V0
Antimony	0.000016	0.000224	µg/m ³	V0
Cesium	0.000004	0.000018	µg/m ³	V0
Barium	0.000054	0.003839	µg/m ³	V0
Lanthanum	0.000004	0.000061	µg/m ³	V0
Cerium	0.000013	0.000125	µg/m ³	V0
Praseodymium	0.000002	0.000016	µg/m ³	V0
Neodymium	0.000005	0.000054	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000354	µg/m ³	V0
Tungsten	0.000005	0.000139	µg/m ³	V0
Platinum	0.000004	0.000053	µg/m ³	V0
Thallium	0.000005	0.000053	µg/m ³	V0
Lead	0.000018	0.000098	µg/m ³	V0
Bismuth	0.000004	0.000032	µg/m ³	V0
Thorium	0.000002	0.000034	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Anzac	Samp Use: Exposure	WBEA ID: 220703080
Start Date:	2022-07-10 00:00	Loc ID: ANZC	Duration: 24.0 hr
		End Date: 2022-07-11 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		712.8	mmHg	
Particulate Matter	0.042	6.875	µg/m ³	V0
Lithium	0.000016	0.000102	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003316	µg/m ³	V0
Magnesium	0.000279	0.020011	µg/m ³	V0
Aluminum	0.002800	0.049080	µg/m ³	V0
Silicon	0.010200	0.324099	µg/m ³	V0
Phosphorus	0.003480	0.026928	µg/m ³	V0
Potassium	0.000402	0.031533	µg/m ³	V0
Calcium	0.013042	0.061813	µg/m ³	V0
Titanium	0.000031	0.001752	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000627	µg/m ³	V0
Manganese	0.000028	0.000861	µg/m ³	V0
Iron	0.001585	0.036450	µg/m ³	V0
Cobalt	0.000005	0.000055	µg/m ³	V0
Nickel	0.000015	0.000388	µg/m ³	V0
Copper	0.000027	0.000906	µg/m ³	V0
Zinc	0.000149	0.000397	µg/m ³	V0
Arsenic	0.000005	0.000266	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000097	µg/m ³	V0
Strontium	0.000012	0.000202	µg/m ³	V0
Niobium	0.000006	0.000072	µg/m ³	V0
Molybdenum	0.000025	0.000034	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000018	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000576	µg/m ³	V0
Lanthanum	0.000004	0.000027	µg/m ³	V0
Cerium	0.000013	0.000058	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000025	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000379	µg/m ³	V0
Tungsten	0.000005	0.000069	µg/m ³	V0
Platinum	0.000004	0.000048	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000084	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703088
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.6	°C	
Pressure		724.0	mmHg	
Particulate Matter	0.042	9.042	µg/m ³	V0
Lithium	0.000016	0.000115	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006357	µg/m ³	V0
Magnesium	0.000279	0.027148	µg/m ³	V0
Aluminum	0.002800	0.089510	µg/m ³	V0
Silicon	0.010200	0.422219	µg/m ³	V0
Phosphorus	0.003480	0.028198	µg/m ³	V0
Potassium	0.000402	0.039003	µg/m ³	V0
Calcium	0.013042	0.089026	µg/m ³	V0
Titanium	0.000031	0.002914	µg/m ³	V0
Vanadium	0.000018	0.000058	µg/m ³	V0
Chromium	0.000045	0.000691	µg/m ³	V0
Manganese	0.000028	0.001351	µg/m ³	V0
Iron	0.001585	0.050948	µg/m ³	V0
Cobalt	0.000005	0.000056	µg/m ³	V0
Nickel	0.000015	0.000266	µg/m ³	V0
Copper	0.000027	0.000271	µg/m ³	V0
Zinc	0.000149	0.000324	µg/m ³	V0
Arsenic	0.000005	0.000153	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000130	µg/m ³	V0
Strontium	0.000012	0.000404	µg/m ³	V0
Niobium	0.000006	0.000062	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000112	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.001195	µg/m ³	V0
Lanthanum	0.000004	0.000047	µg/m ³	V0
Cerium	0.000013	0.000093	µg/m ³	V0
Praseodymium	0.000002	0.000013	µg/m ³	V0
Neodymium	0.000005	0.000041	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000337	µg/m ³	V0
Tungsten	0.000005	0.000070	µg/m ³	V0
Platinum	0.000004	0.000054	µg/m ³	V0
Thallium	0.000005	0.000027	µg/m ³	V0
Lead	0.000018	0.000058	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000024	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort Chipewyan	Loc ID:	FTCH
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00
		Set Index:	1
		WBEA ID:	220703096
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.0	°C	
Pressure		732.0	mmHg	
Particulate Matter	0.042	4.167	µg/m ³	V0
Lithium	0.000016	0.000089	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003239	µg/m ³	V0
Magnesium	0.000279	0.014481	µg/m ³	V0
Aluminum	0.002800	0.059356	µg/m ³	V0
Silicon	0.010200	0.284711	µg/m ³	V0
Phosphorus	0.003480	0.023299	µg/m ³	V0
Potassium	0.000402	0.026821	µg/m ³	V0
Calcium	0.013042	0.043933	µg/m ³	V0
Titanium	0.000031	0.002509	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000804	µg/m ³	V0
Manganese	0.000028	0.000711	µg/m ³	V0
Iron	0.001585	0.037022	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000178	µg/m ³	V0
Copper	0.000027	0.000215	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000083	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000087	µg/m ³	V0
Strontium	0.000012	0.000209	µg/m ³	V0
Niobium	0.000006	0.000076	µg/m ³	V0
Molybdenum	0.000025	0.000056	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000882	µg/m ³	V0
Lanthanum	0.000004	0.000050	µg/m ³	V0
Cerium	0.000013	0.000096	µg/m ³	V0
Praseodymium	0.000002	0.000012	µg/m ³	V0
Neodymium	0.000005	0.000037	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000398	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	0.000045	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000042	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000022	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220703108
Start Date:	2022-07-11 13:30	End Date:	2022-07-11 13:31	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.208	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007609	µg/m ³	V0
Magnesium	0.000279	0.001994	µg/m ³	V0
Aluminum	0.002800	0.002824	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021371	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000303	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.002980	µg/m ³	V0
Manganese	0.000028	0.000161	µg/m ³	V0
Iron	0.001585	0.023652	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000223	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000120	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000014	µg/m ³	V0
Niobium	0.000006	0.000074	µg/m ³	V0
Molybdenum	0.000025	0.000138	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000408	µg/m ³	V0
Tungsten	0.000005	0.000068	µg/m ³	V0
Platinum	0.000004	0.000047	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000022	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220703039
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

July 10th scheduled sample did not run. Reset for sampling on the 16th.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.2	°C	
Pressure		730.0	mmHg	
Particulate Matter	0.042	14.583	µg/m ³	V0
Lithium	0.000016	0.000746	µg/m ³	V0
Beryllium	0.000013	0.000019	µg/m ³	V0
Sodium	0.000777	0.056162	µg/m ³	V0
Magnesium	0.000279	0.071188	µg/m ³	V0
Aluminum	0.002800	0.382960	µg/m ³	V0
Silicon	0.010200	1.012088	µg/m ³	V0
Phosphorus	0.003480	0.042548	µg/m ³	V0
Potassium	0.000402	0.140525	µg/m ³	V0
Calcium	0.013042	0.131874	µg/m ³	V0
Titanium	0.000031	0.017405	µg/m ³	V0
Vanadium	0.000018	0.001220	µg/m ³	V0
Chromium	0.000045	0.001504	µg/m ³	V0
Manganese	0.000028	0.004714	µg/m ³	V0
Iron	0.001585	0.219474	µg/m ³	V0
Cobalt	0.000005	0.000198	µg/m ³	V0
Nickel	0.000015	0.000517	µg/m ³	V0
Copper	0.000027	0.000477	µg/m ³	V0
Zinc	0.000149	0.000961	µg/m ³	V0
Arsenic	0.000005	0.000188	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000565	µg/m ³	V0
Strontium	0.000012	0.001156	µg/m ³	V0
Niobium	0.000006	0.000110	µg/m ³	V0
Molybdenum	0.000025	0.000216	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000063	µg/m ³	V0
Antimony	0.000016	0.000031	µg/m ³	V0
Cesium	0.000004	0.000040	µg/m ³	V0
Barium	0.000054	0.003641	µg/m ³	V0
Lanthanum	0.000004	0.000200	µg/m ³	V0
Cerium	0.000013	0.000442	µg/m ³	V0
Praseodymium	0.000002	0.000053	µg/m ³	V0
Neodymium	0.000005	0.000199	µg/m ³	V0
Samarium	0.000006	0.000037	µg/m ³	V0
Tantalum	0.000003	0.000261	µg/m ³	V0
Tungsten	0.000005	0.000071	µg/m ³	V0
Platinum	0.000004	0.000036	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000209	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000071	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Conklin	Samp Use: Exposure	WBEA ID: 220703102
Start Date:	2022-07-16 00:00	Loc ID: CONK	Duration: 24.0 hr
		End Date: 2022-07-17 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.6	°C	
Pressure		707.8	mmHg	
Particulate Matter	0.042	37.625	µg/m ³	V0
Lithium	0.000016	0.001129	µg/m ³	V0
Beryllium	0.000013	0.000054	µg/m ³	V0
Sodium	0.000777	0.173137	µg/m ³	V0
Magnesium	0.000279	0.345521	µg/m ³	V0
Aluminum	0.002800	0.702923	µg/m ³	V0
Silicon	0.010200	1.588137	µg/m ³	V0
Phosphorus	0.003480	0.047558	µg/m ³	V0
Potassium	0.000402	0.351250	µg/m ³	V0
Calcium	0.013042	1.353561	µg/m ³	V0
Titanium	0.000031	0.041347	µg/m ³	V0
Vanadium	0.000018	0.002987	µg/m ³	V0
Chromium	0.000045	0.001508	µg/m ³	V0
Manganese	0.000028	0.025112	µg/m ³	V0
Iron	0.001585	1.031609	µg/m ³	V0
Cobalt	0.000005	0.000518	µg/m ³	V0
Nickel	0.000015	0.001164	µg/m ³	V0
Copper	0.000027	0.001511	µg/m ³	V0
Zinc	0.000149	0.003218	µg/m ³	V0
Arsenic	0.000005	0.000720	µg/m ³	V0
Selenium	0.000133	0.000213	µg/m ³	V0
Rubidium	0.000003	0.001768	µg/m ³	V0
Strontium	0.000012	0.004859	µg/m ³	V0
Niobium	0.000006	0.000205	µg/m ³	V0
Molybdenum	0.000025	0.000117	µg/m ³	V0
Palladium	0.000050	0.000263	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	0.000037	µg/m ³	V0
Tin	0.000008	0.000016	µg/m ³	V0
Antimony	0.000016	0.000215	µg/m ³	V0
Cesium	0.000004	0.000098	µg/m ³	V0
Barium	0.000054	0.014045	µg/m ³	V0
Lanthanum	0.000004	0.000829	µg/m ³	V0
Cerium	0.000013	0.001699	µg/m ³	V0
Praseodymium	0.000002	0.000206	µg/m ³	V0
Neodymium	0.000005	0.000718	µg/m ³	V0
Samarium	0.000006	0.000130	µg/m ³	V0
Tantalum	0.000003	0.000440	µg/m ³	V0
Tungsten	0.000005	0.000449	µg/m ³	V0
Platinum	0.000004	0.000055	µg/m ³	V0
Thallium	0.000005	0.000223	µg/m ³	V0
Lead	0.000018	0.000868	µg/m ³	V0
Bismuth	0.000004	0.000148	µg/m ³	V0
Thorium	0.000002	0.000409	µg/m ³	V0
Uranium	0.000003	0.000062	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703112
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.9	°C	
Pressure		714.6	mmHg	
Particulate Matter	0.042	11.458	µg/m ³	V0
Lithium	0.000016	0.000148	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013697	µg/m ³	V0
Magnesium	0.000279	0.042482	µg/m ³	V0
Aluminum	0.002800	0.124743	µg/m ³	V0
Silicon	0.010200	0.760557	µg/m ³	V0
Phosphorus	0.003480	0.028899	µg/m ³	V0
Potassium	0.000402	0.052016	µg/m ³	V0
Calcium	0.013042	0.126410	µg/m ³	V0
Titanium	0.000031	0.004376	µg/m ³	V0
Vanadium	0.000018	0.000323	µg/m ³	V0
Chromium	0.000045	0.004766	µg/m ³	V0
Manganese	0.000028	0.002610	µg/m ³	V0
Iron	0.001585	0.114223	µg/m ³	V0
Cobalt	0.000005	0.000123	µg/m ³	V0
Nickel	0.000015	0.000663	µg/m ³	V0
Copper	0.000027	0.000389	µg/m ³	V0
Zinc	0.000149	0.000762	µg/m ³	V0
Arsenic	0.000005	0.000198	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000186	µg/m ³	V0
Strontium	0.000012	0.000485	µg/m ³	V0
Niobium	0.000006	0.000136	µg/m ³	V0
Molybdenum	0.000025	0.000129	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000026	µg/m ³	V0
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000089	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.001723	µg/m ³	V0
Lanthanum	0.000004	0.000100	µg/m ³	V0
Cerium	0.000013	0.000189	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000077	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.000591	µg/m ³	V0
Tungsten	0.000005	0.000147	µg/m ³	V0
Platinum	0.000004	0.000062	µg/m ³	V0
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000302	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000032	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703134
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(87540/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V6
Temperature		20.0	°C	
Pressure		731.1	mmHg	
Particulate Matter	0.042	10.206	µg/m ³	V0
Lithium	0.000016	0.000271	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.038423	µg/m ³	V0
Magnesium	0.000279	0.038328	µg/m ³	V0
Aluminum	0.002800	0.136059	µg/m ³	V0
Silicon	0.010200	0.344889	µg/m ³	V0
Phosphorus	0.003480	0.036933	µg/m ³	V0
Potassium	0.000402	0.075966	µg/m ³	V0
Calcium	0.013042	0.275568	µg/m ³	V0
Titanium	0.000031	0.005904	µg/m ³	V0
Vanadium	0.000018	0.000262	µg/m ³	V0
Chromium	0.000045	0.000790	µg/m ³	V0
Manganese	0.000028	0.002288	µg/m ³	V0
Iron	0.001585	0.099263	µg/m ³	V0
Cobalt	0.000005	0.000085	µg/m ³	V0
Nickel	0.000015	0.000366	µg/m ³	V0
Copper	0.000027	0.000191	µg/m ³	V0
Zinc	0.000149	0.000454	µg/m ³	V0
Arsenic	0.000005	0.000090	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000266	µg/m ³	V0
Strontium	0.000012	0.000743	µg/m ³	V0
Niobium	0.000006	0.000052	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000012	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000015	µg/m ³	V0
Barium	0.000054	0.001650	µg/m ³	V0
Lanthanum	0.000004	0.000088	µg/m ³	V0
Cerium	0.000013	0.000182	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000077	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.000210	µg/m ³	V0
Tungsten	0.000005	0.000047	µg/m ³	V0
Platinum	0.000004	0.000036	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000121	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000034	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703147
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		25.3	°C	
Pressure		733.2	mmHg	
Particulate Matter	0.042	7.375	µg/m ³	V0
Lithium	0.000016	0.000124	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015216	µg/m ³	V0
Magnesium	0.000279	0.028919	µg/m ³	V0
Aluminum	0.002800	0.098401	µg/m ³	V0
Silicon	0.010200	0.445600	µg/m ³	V0
Phosphorus	0.003480	0.030670	µg/m ³	V0
Potassium	0.000402	0.053551	µg/m ³	V0
Calcium	0.013042	0.046247	µg/m ³	V0
Titanium	0.000031	0.004570	µg/m ³	V0
Vanadium	0.000018	0.000027	µg/m ³	V0
Chromium	0.000045	0.000452	µg/m ³	V0
Manganese	0.000028	0.001390	µg/m ³	V0
Iron	0.001585	0.051628	µg/m ³	V0
Cobalt	0.000005	0.000055	µg/m ³	V0
Nickel	0.000015	0.000173	µg/m ³	V0
Copper	0.000027	0.000096	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000122	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000176	µg/m ³	V0
Strontium	0.000012	0.000396	µg/m ³	V0
Niobium	0.000006	0.000090	µg/m ³	V0
Molybdenum	0.000025	0.000029	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001500	µg/m ³	V0
Lanthanum	0.000004	0.000107	µg/m ³	V0
Cerium	0.000013	0.000215	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000080	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000409	µg/m ³	V0
Tungsten	0.000005	0.000077	µg/m ³	V0
Platinum	0.000004	0.000046	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000060	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000029	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703151
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.3	°C	
Pressure		729.2	mmHg	
Particulate Matter	0.042	9.667	µg/m ³	V0
Lithium	0.000016	0.000355	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.029462	µg/m ³	V0
Magnesium	0.000279	0.052222	µg/m ³	V0
Aluminum	0.002800	0.196615	µg/m ³	V0
Silicon	0.010200	0.395329	µg/m ³	V0
Phosphorus	0.003480	0.048314	µg/m ³	V0
Potassium	0.000402	0.098736	µg/m ³	V0
Calcium	0.013042	0.080102	µg/m ³	V0
Titanium	0.000031	0.007373	µg/m ³	V0
Vanadium	0.000018	0.000460	µg/m ³	V0
Chromium	0.000045	0.001530	µg/m ³	V0
Manganese	0.000028	0.002522	µg/m ³	V0
Iron	0.001585	0.123262	µg/m ³	V0
Cobalt	0.000005	0.000100	µg/m ³	V0
Nickel	0.000015	0.000527	µg/m ³	V0
Copper	0.000027	0.000291	µg/m ³	V0
Zinc	0.000149	0.000640	µg/m ³	V0
Arsenic	0.000005	0.000214	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000341	µg/m ³	V0
Strontium	0.000012	0.000648	µg/m ³	V0
Niobium	0.000006	0.000134	µg/m ³	V0
Molybdenum	0.000025	0.000212	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000020	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000070	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.001878	µg/m ³	V0
Lanthanum	0.000004	0.000125	µg/m ³	V0
Cerium	0.000013	0.000258	µg/m ³	V0
Praseodymium	0.000002	0.000030	µg/m ³	V0
Neodymium	0.000005	0.000124	µg/m ³	V0
Samarium	0.000006	0.000021	µg/m ³	V0
Tantalum	0.000003	0.000426	µg/m ³	V0
Tungsten	0.000005	0.000169	µg/m ³	V0
Platinum	0.000004	0.000030	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000141	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000040	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220703156
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Power outage caused clock malfunction. Resulted in a longer sampling duration and higher sample volume.(87240/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.2	m ³	V6
Temperature		20.7	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	10.579	µg/m ³	V0
Lithium	0.000016	0.000230	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.020088	µg/m ³	V0
Magnesium	0.000279	0.039491	µg/m ³	V0
Aluminum	0.002800	0.153788	µg/m ³	V0
Silicon	0.010200	0.171341	µg/m ³	V0
Phosphorus	0.003480	0.061383	µg/m ³	V0
Potassium	0.000402	0.109119	µg/m ³	V0
Calcium	0.013042	0.159767	µg/m ³	V0
Titanium	0.000031	0.004964	µg/m ³	V0
Vanadium	0.000018	0.000222	µg/m ³	V0
Chromium	0.000045	0.000770	µg/m ³	V0
Manganese	0.000028	0.002586	µg/m ³	V0
Iron	0.001585	0.096768	µg/m ³	V0
Cobalt	0.000005	0.000081	µg/m ³	V0
Nickel	0.000015	0.000403	µg/m ³	V0
Copper	0.000027	0.000303	µg/m ³	V0
Zinc	0.000149	0.001113	µg/m ³	V0
Arsenic	0.000005	0.000303	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000291	µg/m ³	V0
Strontium	0.000012	0.000554	µg/m ³	V0
Niobium	0.000006	0.000045	µg/m ³	V0
Molybdenum	0.000025	0.000067	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000041	µg/m ³	V0
Antimony	0.000016	0.000031	µg/m ³	V0
Cesium	0.000004	0.000015	µg/m ³	V0
Barium	0.000054	0.001618	µg/m ³	V0
Lanthanum	0.000004	0.000069	µg/m ³	V0
Cerium	0.000013	0.000141	µg/m ³	V0
Praseodymium	0.000002	0.000017	µg/m ³	V0
Neodymium	0.000005	0.000062	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.000159	µg/m ³	V0
Tungsten	0.000005	0.000057	µg/m ³	V0
Platinum	0.000004	0.000034	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000118	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00
		Set Index:	1
		WBEA ID:	220703159
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.8	°C	
Pressure		712.8	mmHg	
Particulate Matter	0.042	7.958	µg/m ³	V0
Lithium	0.000016	0.000170	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.020337	µg/m ³	V0
Magnesium	0.000279	0.041267	µg/m ³	V0
Aluminum	0.002800	0.136277	µg/m ³	V0
Silicon	0.010200	0.347295	µg/m ³	V0
Phosphorus	0.003480	0.035731	µg/m ³	V0
Potassium	0.000402	0.067899	µg/m ³	V0
Calcium	0.013042	0.115354	µg/m ³	V0
Titanium	0.000031	0.004749	µg/m ³	V0
Vanadium	0.000018	0.000197	µg/m ³	V0
Chromium	0.000045	0.000834	µg/m ³	V0
Manganese	0.000028	0.002563	µg/m ³	V0
Iron	0.001585	0.086255	µg/m ³	V0
Cobalt	0.000005	0.000064	µg/m ³	V0
Nickel	0.000015	0.000356	µg/m ³	V0
Copper	0.000027	0.000217	µg/m ³	V0
Zinc	0.000149	0.001017	µg/m ³	V0
Arsenic	0.000005	0.000145	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000226	µg/m ³	V0
Strontium	0.000012	0.000481	µg/m ³	V0
Niobium	0.000006	0.000053	µg/m ³	V0
Molybdenum	0.000025	0.000063	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000071	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001509	µg/m ³	V0
Lanthanum	0.000004	0.000075	µg/m ³	V0
Cerium	0.000013	0.000147	µg/m ³	V0
Praseodymium	0.000002	0.000017	µg/m ³	V0
Neodymium	0.000005	0.000064	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.000275	µg/m ³	V0
Tungsten	0.000005	0.000084	µg/m ³	V0
Platinum	0.000004	0.000035	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000164	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000024	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220703166
Start Date:	2022-07-16 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-07-17 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.8	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	14.375	µg/m ³	V0
Lithium	0.000016	0.000653	µg/m ³	V0
Beryllium	0.000013	0.000057	µg/m ³	V0
Sodium	0.000777	0.060669	µg/m ³	V0
Magnesium	0.000279	0.098223	µg/m ³	V0
Aluminum	0.002800	0.325605	µg/m ³	V0
Silicon	0.010200	0.882485	µg/m ³	V0
Phosphorus	0.003480	0.049112	µg/m ³	V0
Potassium	0.000402	0.287133	µg/m ³	V0
Calcium	0.013042	0.391335	µg/m ³	V0
Titanium	0.000031	0.013684	µg/m ³	V0
Vanadium	0.000018	0.001453	µg/m ³	V0
Chromium	0.000045	0.001464	µg/m ³	V0
Manganese	0.000028	0.005275	µg/m ³	V0
Iron	0.001585	0.226107	µg/m ³	V0
Cobalt	0.000005	0.000230	µg/m ³	V0
Nickel	0.000015	0.001460	µg/m ³	V0
Copper	0.000027	0.003387	µg/m ³	V0
Zinc	0.000149	0.003880	µg/m ³	V0
Arsenic	0.000005	0.000742	µg/m ³	V0
Selenium	0.000133	0.000296	µg/m ³	V0
Rubidium	0.000003	0.000651	µg/m ³	V0
Strontium	0.000012	0.002656	µg/m ³	V0
Niobium	0.000006	0.000098	µg/m ³	V0
Molybdenum	0.000025	0.000192	µg/m ³	V0
Palladium	0.000050	0.000299	µg/m ³	V0
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000040	µg/m ³	V0
Tin	0.000008	0.000252	µg/m ³	V0
Antimony	0.000016	0.000342	µg/m ³	V0
Cesium	0.000004	0.000067	µg/m ³	V0
Barium	0.000054	0.007125	µg/m ³	V0
Lanthanum	0.000004	0.000227	µg/m ³	V0
Cerium	0.000013	0.000454	µg/m ³	V0
Praseodymium	0.000002	0.000069	µg/m ³	V0
Neodymium	0.000005	0.000233	µg/m ³	V0
Samarium	0.000006	0.000086	µg/m ³	V0
Tantalum	0.000003	0.000428	µg/m ³	V0
Tungsten	0.000005	0.000148	µg/m ³	V0
Platinum	0.000004	0.000085	µg/m ³	V0
Thallium	0.000005	0.000240	µg/m ³	V0
Lead	0.000018	0.000372	µg/m ³	V0
Bismuth	0.000004	0.000764	µg/m ³	V4
Thorium	0.000002	0.000493	µg/m ³	V0
Uranium	0.000003	0.000047	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703172
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Small fly and white fibers found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		23.0	°C	
Pressure		723.9	mmHg	
Particulate Matter	0.042	10.250	µg/m ³	V0
Lithium	0.000016	0.000245	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.037133	µg/m ³	V0
Magnesium	0.000279	0.055286	µg/m ³	V0
Aluminum	0.002800	0.148333	µg/m ³	V0
Silicon	0.010200	0.399130	µg/m ³	V0
Phosphorus	0.003480	0.044200	µg/m ³	V0
Potassium	0.000402	0.092747	µg/m ³	V0
Calcium	0.013042	0.211131	µg/m ³	V0
Titanium	0.000031	0.006561	µg/m ³	V0
Vanadium	0.000018	0.001865	µg/m ³	V0
Chromium	0.000045	0.001151	µg/m ³	V0
Manganese	0.000028	0.002975	µg/m ³	V0
Iron	0.001585	0.114191	µg/m ³	V0
Cobalt	0.000005	0.000107	µg/m ³	V0
Nickel	0.000015	0.000741	µg/m ³	V0
Copper	0.000027	0.000482	µg/m ³	V0
Zinc	0.000149	0.001626	µg/m ³	V0
Arsenic	0.000005	0.000257	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000269	µg/m ³	V0
Strontium	0.000012	0.000776	µg/m ³	V0
Niobium	0.000006	0.000063	µg/m ³	V0
Molybdenum	0.000025	0.000160	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000295	µg/m ³	V0
Antimony	0.000016	0.000113	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.002381	µg/m ³	V0
Lanthanum	0.000004	0.000127	µg/m ³	V0
Cerium	0.000013	0.000193	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000086	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000231	µg/m ³	V0
Tungsten	0.000005	0.000073	µg/m ³	V0
Platinum	0.000004	0.000036	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000209	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000031	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220703205
Start Date:	2022-07-19 11:45	End Date:	2022-07-19 11:46	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000123	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001913	µg/m ³	V0
Aluminum	0.002800	0.004149	µg/m ³	V0
Silicon	0.010200	0.015211	µg/m ³	V0
Phosphorus	0.003480	0.021908	µg/m ³	V0
Potassium	0.000402	0.008301	µg/m ³	V0
Calcium	0.013042	0.015465	µg/m ³	V0
Titanium	0.000031	0.000512	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000581	µg/m ³	V0
Manganese	0.000028	0.000057	µg/m ³	V0
Iron	0.001585	0.004677	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000224	µg/m ³	V0
Copper	0.000027	0.000186	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000239	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000006	µg/m ³	V0
Strontium	0.000012	0.000031	µg/m ³	V0
Niobium	0.000006	0.000048	µg/m ³	V0
Molybdenum	0.000025	0.000030	µg/m ³	V0
Palladium	0.000050	0.000083	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000117	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000323	µg/m ³	V0
Tungsten	0.000005	0.000044	µg/m ³	V0
Platinum	0.000004	0.000038	µg/m ³	V0
Thallium	0.000005	0.000045	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000019	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Hills	Samp Use: Exposure	WBEA ID: 220703178
Start Date:	2022-07-22 00:00	Loc ID: FTHL	Duration: 24.0 hr
		End Date: 2022-07-23 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		733.8	mmHg	
Particulate Matter	0.042	9.792	µg/m ³	V0
Lithium	0.000016	0.000232	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.019907	µg/m ³	V0
Magnesium	0.000279	0.073882	µg/m ³	V0
Aluminum	0.002800	0.147918	µg/m ³	V0
Silicon	0.010200	0.631068	µg/m ³	V0
Phosphorus	0.003480	0.031615	µg/m ³	V0
Potassium	0.000402	0.068887	µg/m ³	V0
Calcium	0.013042	0.328332	µg/m ³	V0
Titanium	0.000031	0.005495	µg/m ³	V0
Vanadium	0.000018	0.000284	µg/m ³	V0
Chromium	0.000045	0.000611	µg/m ³	V0
Manganese	0.000028	0.005088	µg/m ³	V0
Iron	0.001585	0.271537	µg/m ³	V0
Cobalt	0.000005	0.000114	µg/m ³	V0
Nickel	0.000015	0.000250	µg/m ³	V0
Copper	0.000027	0.000298	µg/m ³	V0
Zinc	0.000149	0.000152	µg/m ³	V0
Arsenic	0.000005	0.000203	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000255	µg/m ³	V0
Strontium	0.000012	0.000946	µg/m ³	V0
Niobium	0.000006	0.000071	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	0.000058	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000015	µg/m ³	V0
Barium	0.000054	0.001958	µg/m ³	V0
Lanthanum	0.000004	0.000108	µg/m ³	V0
Cerium	0.000013	0.000233	µg/m ³	V0
Praseodymium	0.000002	0.000028	µg/m ³	V0
Neodymium	0.000005	0.000101	µg/m ³	V0
Samarium	0.000006	0.000020	µg/m ³	V0
Tantalum	0.000003	0.000307	µg/m ³	V0
Tungsten	0.000005	0.000145	µg/m ³	V0
Platinum	0.000004	0.000040	µg/m ³	V0
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000080	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000043	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703187
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		710.1	mmHg	
Particulate Matter	0.042	5.875	µg/m ³	V0
Lithium	0.000016	0.000113	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004318	µg/m ³	V0
Magnesium	0.000279	0.034590	µg/m ³	V0
Aluminum	0.002800	0.053838	µg/m ³	V0
Silicon	0.010200	0.176868	µg/m ³	V0
Phosphorus	0.003480	0.035470	µg/m ³	V0
Potassium	0.000402	0.048085	µg/m ³	V0
Calcium	0.013042	0.152284	µg/m ³	V0
Titanium	0.000031	0.001888	µg/m ³	V0
Vanadium	0.000018	0.000075	µg/m ³	V0
Chromium	0.000045	0.001269	µg/m ³	V0
Manganese	0.000028	0.001195	µg/m ³	V0
Iron	0.001585	0.047027	µg/m ³	V0
Cobalt	0.000005	0.000040	µg/m ³	V0
Nickel	0.000015	0.000256	µg/m ³	V0
Copper	0.000027	0.000081	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000161	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000106	µg/m ³	V0
Strontium	0.000012	0.000301	µg/m ³	V0
Niobium	0.000006	0.000052	µg/m ³	V0
Molybdenum	0.000025	0.000064	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000173	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000635	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000069	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000029	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000263	µg/m ³	V0
Tungsten	0.000005	0.000190	µg/m ³	V0
Platinum	0.000004	0.000040	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000039	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703193
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		732.9	mmHg	
Particulate Matter	0.042	7.875	µg/m ³	V0
Lithium	0.000016	0.000313	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012641	µg/m ³	V0
Magnesium	0.000279	0.032100	µg/m ³	V0
Aluminum	0.002800	0.151657	µg/m ³	V0
Silicon	0.010200	0.599735	µg/m ³	V0
Phosphorus	0.003480	0.034550	µg/m ³	V0
Potassium	0.000402	0.064643	µg/m ³	V0
Calcium	0.013042	0.061344	µg/m ³	V0
Titanium	0.000031	0.006154	µg/m ³	V0
Vanadium	0.000018	0.000327	µg/m ³	V0
Chromium	0.000045	0.000972	µg/m ³	V0
Manganese	0.000028	0.001681	µg/m ³	V0
Iron	0.001585	0.080769	µg/m ³	V0
Cobalt	0.000005	0.000086	µg/m ³	V0
Nickel	0.000015	0.000389	µg/m ³	V0
Copper	0.000027	0.000148	µg/m ³	V0
Zinc	0.000149	0.000995	µg/m ³	V0
Arsenic	0.000005	0.000162	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000270	µg/m ³	V0
Strontium	0.000012	0.000424	µg/m ³	V0
Niobium	0.000006	0.000188	µg/m ³	V0
Molybdenum	0.000025	0.000203	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000035	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000034	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.001198	µg/m ³	V0
Lanthanum	0.000004	0.000085	µg/m ³	V0
Cerium	0.000013	0.000185	µg/m ³	V0
Praseodymium	0.000002	0.000023	µg/m ³	V0
Neodymium	0.000005	0.000087	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000540	µg/m ³	V0
Tungsten	0.000005	0.000261	µg/m ³	V0
Platinum	0.000004	0.000035	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000069	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220703196
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.8	°C	
Pressure		735.3	mmHg	
Particulate Matter	0.042	9.708	µg/m ³	V0
Lithium	0.000016	0.000348	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013319	µg/m ³	V0
Magnesium	0.000279	0.043770	µg/m ³	V0
Aluminum	0.002800	0.170539	µg/m ³	V0
Silicon	0.010200	0.485526	µg/m ³	V0
Phosphorus	0.003480	0.061328	µg/m ³	V0
Potassium	0.000402	0.111564	µg/m ³	V0
Calcium	0.013042	0.180020	µg/m ³	V0
Titanium	0.000031	0.007278	µg/m ³	V0
Vanadium	0.000018	0.000342	µg/m ³	V0
Chromium	0.000045	0.000608	µg/m ³	V0
Manganese	0.000028	0.003120	µg/m ³	V0
Iron	0.001585	0.113792	µg/m ³	V0
Cobalt	0.000005	0.000093	µg/m ³	V0
Nickel	0.000015	0.000240	µg/m ³	V0
Copper	0.000027	0.000195	µg/m ³	V0
Zinc	0.000149	0.000825	µg/m ³	V0
Arsenic	0.000005	0.000132	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000343	µg/m ³	V0
Strontium	0.000012	0.000644	µg/m ³	V0
Niobium	0.000006	0.000317	µg/m ³	V0
Molybdenum	0.000025	0.000302	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000054	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000101	µg/m ³	V0
Antimony	0.000016	0.000068	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.001510	µg/m ³	V0
Lanthanum	0.000004	0.000098	µg/m ³	V0
Cerium	0.000013	0.000221	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000097	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000925	µg/m ³	V0
Tungsten	0.000005	0.000528	µg/m ³	V0
Platinum	0.000004	0.000037	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000078	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000037	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703200
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.2	°C	
Pressure		717.2	mmHg	
Particulate Matter	0.042	6.042	µg/m ³	V0
Lithium	0.000016	0.000073	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.006498	µg/m ³	V0
Aluminum	0.002800	0.017008	µg/m ³	V0
Silicon	0.010200	0.092978	µg/m ³	V0
Phosphorus	0.003480	0.028199	µg/m ³	V0
Potassium	0.000402	0.023762	µg/m ³	V0
Calcium	0.013042	0.027023	µg/m ³	V0
Titanium	0.000031	0.000638	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000894	µg/m ³	V0
Manganese	0.000028	0.000486	µg/m ³	V0
Iron	0.001585	0.013653	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000263	µg/m ³	V0
Copper	0.000027	0.000181	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000179	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000037	µg/m ³	V0
Strontium	0.000012	0.000051	µg/m ³	V0
Niobium	0.000006	0.000045	µg/m ³	V0
Molybdenum	0.000025	0.000038	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000106	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000069	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000321	µg/m ³	V0
Tungsten	0.000005	0.000058	µg/m ³	V0
Platinum	0.000004	0.000039	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00
		Set Index:	1
		WBEA ID:	220703209
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.2	°C	
Pressure		734.6	mmHg	
Particulate Matter	0.042	9.458	µg/m ³	V0
Lithium	0.000016	0.000531	µg/m ³	V0
Beryllium	0.000013	0.000017	µg/m ³	V0
Sodium	0.000777	0.025530	µg/m ³	V0
Magnesium	0.000279	0.055582	µg/m ³	V0
Aluminum	0.002800	0.265807	µg/m ³	V0
Silicon	0.010200	0.729642	µg/m ³	V0
Phosphorus	0.003480	0.048118	µg/m ³	V0
Potassium	0.000402	0.109844	µg/m ³	V0
Calcium	0.013042	0.157241	µg/m ³	V0
Titanium	0.000031	0.010789	µg/m ³	V0
Vanadium	0.000018	0.000574	µg/m ³	V0
Chromium	0.000045	0.002355	µg/m ³	V0
Manganese	0.000028	0.004069	µg/m ³	V0
Iron	0.001585	0.168143	µg/m ³	V0
Cobalt	0.000005	0.000138	µg/m ³	V0
Nickel	0.000015	0.000422	µg/m ³	V0
Copper	0.000027	0.000295	µg/m ³	V0
Zinc	0.000149	0.001885	µg/m ³	V0
Arsenic	0.000005	0.000216	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000440	µg/m ³	V0
Strontium	0.000012	0.000822	µg/m ³	V0
Niobium	0.000006	0.000092	µg/m ³	V0
Molybdenum	0.000025	0.000124	µg/m ³	V0
Palladium	0.000050	0.000056	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000046	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	0.000030	µg/m ³	V0
Barium	0.000054	0.001992	µg/m ³	V0
Lanthanum	0.000004	0.000154	µg/m ³	V0
Cerium	0.000013	0.000346	µg/m ³	V0
Praseodymium	0.000002	0.000043	µg/m ³	V0
Neodymium	0.000005	0.000160	µg/m ³	V0
Samarium	0.000006	0.000029	µg/m ³	V0
Tantalum	0.000003	0.000277	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	0.000025	µg/m ³	V0
Lead	0.000018	0.000121	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000061	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220703231
Start Date:	2022-07-22 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-07-23 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.0	°C	
Pressure		738.3	mmHg	
Particulate Matter	0.042	2.875	µg/m ³	V0
Lithium	0.000016	0.000082	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016244	µg/m ³	V0
Magnesium	0.000279	0.013953	µg/m ³	V0
Aluminum	0.002800	0.041094	µg/m ³	V0
Silicon	0.010200	0.346605	µg/m ³	V0
Phosphorus	0.003480	0.026559	µg/m ³	V0
Potassium	0.000402	0.026662	µg/m ³	V0
Calcium	0.013042	0.029830	µg/m ³	V0
Titanium	0.000031	0.001838	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000757	µg/m ³	V0
Manganese	0.000028	0.000795	µg/m ³	V0
Iron	0.001585	0.045178	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000391	µg/m ³	V0
Copper	0.000027	0.000235	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000144	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000082	µg/m ³	V0
Strontium	0.000012	0.000166	µg/m ³	V0
Niobium	0.000006	0.000063	µg/m ³	V0
Molybdenum	0.000025	0.000046	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000590	µg/m ³	V0
Lanthanum	0.000004	0.000038	µg/m ³	V0
Cerium	0.000013	0.000078	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000028	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000383	µg/m ³	V0
Tungsten	0.000005	0.000074	µg/m ³	V0
Platinum	0.000004	0.000064	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000046	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703235
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.3	°C	
Pressure		715.4	mmHg	
Particulate Matter	0.042	6.667	µg/m ³	V0
Lithium	0.000016	0.000090	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.013031	µg/m ³	V0
Aluminum	0.002800	0.012434	µg/m ³	V0
Silicon	0.010200	0.017181	µg/m ³	V0
Phosphorus	0.003480	0.061564	µg/m ³	V0
Potassium	0.000402	0.095883	µg/m ³	V0
Calcium	0.013042	0.029225	µg/m ³	V0
Titanium	0.000031	0.000660	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001060	µg/m ³	V0
Manganese	0.000028	0.001154	µg/m ³	V0
Iron	0.001585	0.015819	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000389	µg/m ³	V0
Copper	0.000027	0.000332	µg/m ³	V0
Zinc	0.000149	0.000324	µg/m ³	V0
Arsenic	0.000005	0.000146	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000125	µg/m ³	V0
Strontium	0.000012	0.000076	µg/m ³	V0
Niobium	0.000006	0.000035	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	0.000066	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000046	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000107	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000221	µg/m ³	V0
Tungsten	0.000005	0.000029	µg/m ³	V0
Platinum	0.000004	0.000032	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000095	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703244
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

Small bugs on filter upon collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.6	°C	
Pressure		736.7	mmHg	
Particulate Matter	0.042	9.583	µg/m ³	V0
Lithium	0.000016	0.000362	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.368949	µg/m ³	V0
Calcium	0.013042	0.026324	µg/m ³	V0
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	0.002011	µg/m ³	V0
Chromium	0.000045	0.000104	µg/m ³	V0
Manganese	0.000028	0.000124	µg/m ³	V0
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	0.000087	µg/m ³	V0
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000040	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000067	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000010	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000105	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000062	µg/m ³	V0
Tungsten	0.000005	0.000016	µg/m ³	V0
Platinum	0.000004	0.000134	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703249
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

Total/Valid sampling time: 23:39 and Total Sample Volume was 23.7m3. No alarms.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		16.7	°C	
Pressure		727.3	mmHg	
Particulate Matter	0.042	9.030	µg/m ³	V0
Lithium	0.000016	0.000272	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018840	µg/m ³	V0
Magnesium	0.000279	0.040356	µg/m ³	V0
Aluminum	0.002800	0.142727	µg/m ³	V0
Silicon	0.010200	0.462130	µg/m ³	V0
Phosphorus	0.003480	0.048624	µg/m ³	V0
Potassium	0.000402	0.083487	µg/m ³	V0
Calcium	0.013042	0.138415	µg/m ³	V0
Titanium	0.000031	0.005557	µg/m ³	V0
Vanadium	0.000018	0.000743	µg/m ³	V0
Chromium	0.000045	0.000139	µg/m ³	V0
Manganese	0.000028	0.000091	µg/m ³	V0
Iron	0.001585	0.003204	µg/m ³	V0
Cobalt	0.000005	0.000086	µg/m ³	V0
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002714	µg/m ³	V0
Arsenic	0.000005	0.000174	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000260	µg/m ³	V0
Strontium	0.000012	0.000522	µg/m ³	V0
Niobium	0.000006	0.000056	µg/m ³	V0
Molybdenum	0.000025	0.000139	µg/m ³	V0
Palladium	0.000050	0.000054	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000047	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000015	µg/m ³	V0
Barium	0.000054	0.001698	µg/m ³	V0
Lanthanum	0.000004	0.000109	µg/m ³	V0
Cerium	0.000013	0.000227	µg/m ³	V0
Praseodymium	0.000002	0.000021	µg/m ³	V0
Neodymium	0.000005	0.000080	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000052	µg/m ³	V0
Tungsten	0.000005	0.000018	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000074	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220703294
Start Date:	2022-07-25 10:12	End Date:	2022-07-25 10:13	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.292	µg/m ³	V0
Lithium	0.000016	0.000060	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002319	µg/m ³	V0
Aluminum	0.002800	0.002823	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.021598	µg/m ³	V0
Potassium	0.000402	0.007457	µg/m ³	V0
Calcium	0.013042	0.017150	µg/m ³	V0
Titanium	0.000031	0.000488	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001280	µg/m ³	V0
Manganese	0.000028	0.000090	µg/m ³	V0
Iron	0.001585	0.009831	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000294	µg/m ³	V0
Copper	0.000027	0.000038	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000185	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000021	µg/m ³	V0
Niobium	0.000006	0.000040	µg/m ³	V0
Molybdenum	0.000025	0.000062	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000082	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000013	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000272	µg/m ³	V0
Tungsten	0.000005	0.000105	µg/m ³	V0
Platinum	0.000004	0.000044	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703286
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.0	°C	
Pressure		735.1	mmHg	
Particulate Matter	0.042	19.292	µg/m ³	V0
Lithium	0.000016	0.000441	µg/m ³	V0
Beryllium	0.000013	0.000016	µg/m ³	V0
Sodium	0.000777	0.064085	µg/m ³	V0
Magnesium	0.000279	0.120767	µg/m ³	V0
Aluminum	0.002800	0.310050	µg/m ³	V0
Silicon	0.010200	1.374023	µg/m ³	V0
Phosphorus	0.003480	0.036586	µg/m ³	V0
Potassium	0.000402	0.126087	µg/m ³	V0
Calcium	0.013042	0.340762	µg/m ³	V0
Titanium	0.000031	0.013714	µg/m ³	V0
Vanadium	0.000018	0.001037	µg/m ³	V0
Chromium	0.000045	0.001017	µg/m ³	V0
Manganese	0.000028	0.006189	µg/m ³	V0
Iron	0.001585	0.305858	µg/m ³	V0
Cobalt	0.000005	0.000206	µg/m ³	V0
Nickel	0.000015	0.000582	µg/m ³	V0
Copper	0.000027	0.001323	µg/m ³	V0
Zinc	0.000149	0.005461	µg/m ³	V0
Arsenic	0.000005	0.000266	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000609	µg/m ³	V0
Strontium	0.000012	0.001502	µg/m ³	V0
Niobium	0.000006	0.000187	µg/m ³	V0
Molybdenum	0.000025	0.000154	µg/m ³	V0
Palladium	0.000050	0.000102	µg/m ³	V0
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	0.000055	µg/m ³	V0
Tin	0.000008	0.000199	µg/m ³	V0
Antimony	0.000016	0.000303	µg/m ³	V0
Cesium	0.000004	0.000040	µg/m ³	V0
Barium	0.000054	0.007643	µg/m ³	V0
Lanthanum	0.000004	0.000211	µg/m ³	V0
Cerium	0.000013	0.000458	µg/m ³	V0
Praseodymium	0.000002	0.000056	µg/m ³	V0
Neodymium	0.000005	0.000203	µg/m ³	V0
Samarium	0.000006	0.000036	µg/m ³	V0
Tantalum	0.000003	0.000862	µg/m ³	V0
Tungsten	0.000005	0.000244	µg/m ³	V0
Platinum	0.000004	0.000063	µg/m ³	V0
Thallium	0.000005	0.000097	µg/m ³	V0
Lead	0.000018	0.000328	µg/m ³	V0
Bismuth	0.000004	0.000069	µg/m ³	V0
Thorium	0.000002	0.000139	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Patricia McInnes	Loc ID:	PATM
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00
		Set Index:	1
		WBEA ID:	220703298
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.3	°C	
Pressure		725.8	mmHg	
Particulate Matter	0.042	17.333	µg/m ³	V0
Lithium	0.000016	0.000132	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	2.548627	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.022366	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	0.000051	µg/m ³	V0
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	0.000009	µg/m ³	V0
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000373	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000012	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	-8888	µg/m ³	V1
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220703311
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

Power failure(87420/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.3	m ³	V6
Temperature		24.2	°C	
Pressure		714.9	mmHg	
Particulate Matter	0.042	18.848	µg/m ³	V0
Lithium	0.000016	0.000571	µg/m ³	V0
Beryllium	0.000013	0.000019	µg/m ³	V0
Sodium	0.000777	0.096652	µg/m ³	V0
Magnesium	0.000279	0.150674	µg/m ³	V0
Aluminum	0.002800	0.399419	µg/m ³	V0
Silicon	0.010200	1.254080	µg/m ³	V0
Phosphorus	0.003480	0.039985	µg/m ³	V0
Potassium	0.000402	0.167052	µg/m ³	V0
Calcium	0.013042	0.688198	µg/m ³	V0
Titanium	0.000031	0.016423	µg/m ³	V0
Vanadium	0.000018	0.001194	µg/m ³	V0
Chromium	0.000045	0.001785	µg/m ³	V0
Manganese	0.000028	0.008653	µg/m ³	V0
Iron	0.001585	0.324003	µg/m ³	V0
Cobalt	0.000005	0.000228	µg/m ³	V0
Nickel	0.000015	0.000680	µg/m ³	V0
Copper	0.000027	0.000821	µg/m ³	V0
Zinc	0.000149	0.004550	µg/m ³	V0
Arsenic	0.000005	0.000270	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000755	µg/m ³	V0
Strontium	0.000012	0.001960	µg/m ³	V0
Niobium	0.000006	0.000098	µg/m ³	V0
Molybdenum	0.000025	0.000162	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000066	µg/m ³	V0
Tin	0.000008	0.000124	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	0.000039	µg/m ³	V0
Barium	0.000054	0.005760	µg/m ³	V0
Lanthanum	0.000004	0.000281	µg/m ³	V0
Cerium	0.000013	0.000558	µg/m ³	V0
Praseodymium	0.000002	0.000069	µg/m ³	V0
Neodymium	0.000005	0.000261	µg/m ³	V0
Samarium	0.000006	0.000046	µg/m ³	V0
Tantalum	0.000003	0.000296	µg/m ³	V0
Tungsten	0.000005	0.000086	µg/m ³	V0
Platinum	0.000004	0.000038	µg/m ³	V0
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000354	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000090	µg/m ³	V0
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703317	
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		23.7	°C	
Pressure		732.7	mmHg	
Particulate Matter	0.042	66.292	µg/m ³	V0
Lithium	0.000016	0.002827	µg/m ³	V0
Beryllium	0.000013	0.000078	µg/m ³	V0
Sodium	0.000777	0.402642	µg/m ³	V0
Magnesium	0.000279	0.203088	µg/m ³	V0
Aluminum	0.002800	1.431849	µg/m ³	V0
Silicon	0.010200	4.673172	µg/m ³	V0
Phosphorus	0.003480	0.043482	µg/m ³	V0
Potassium	0.000402	0.595498	µg/m ³	V0
Calcium	0.013042	1.015276	µg/m ³	V0
Titanium	0.000031	0.084764	µg/m ³	V0
Vanadium	0.000018	0.009774	µg/m ³	V0
Chromium	0.000045	0.002712	µg/m ³	V0
Manganese	0.000028	0.024802	µg/m ³	V0
Iron	0.001585	1.142565	µg/m ³	V0
Cobalt	0.000005	0.000960	µg/m ³	V0
Nickel	0.000015	0.002495	µg/m ³	V0
Copper	0.000027	0.001199	µg/m ³	V0
Zinc	0.000149	0.004152	µg/m ³	V0
Arsenic	0.000005	0.000475	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002870	µg/m ³	V0
Strontium	0.000012	0.006106	µg/m ³	V0
Niobium	0.000006	0.000376	µg/m ³	V0
Molybdenum	0.000025	0.000500	µg/m ³	V0
Palladium	0.000050	0.000087	µg/m ³	V0
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	0.000053	µg/m ³	V0
Tin	0.000008	0.000069	µg/m ³	V0
Antimony	0.000016	0.000132	µg/m ³	V0
Cesium	0.000004	0.000175	µg/m ³	V0
Barium	0.000054	0.016353	µg/m ³	V0
Lanthanum	0.000004	0.000892	µg/m ³	V0
Cerium	0.000013	0.001995	µg/m ³	V0
Praseodymium	0.000002	0.000244	µg/m ³	V0
Neodymium	0.000005	0.000951	µg/m ³	V0
Samarium	0.000006	0.000168	µg/m ³	V0
Tantalum	0.000003	0.000479	µg/m ³	V0
Tungsten	0.000005	0.000201	µg/m ³	V0
Platinum	0.000004	0.000047	µg/m ³	V0
Thallium	0.000005	0.000045	µg/m ³	V0
Lead	0.000018	0.000918	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000289	µg/m ³	V0
Uranium	0.000003	0.000094	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220703334
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.5	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	60.083	µg/m ³	V0
Lithium	0.000016	0.004357	µg/m ³	V0
Beryllium	0.000013	0.000063	µg/m ³	V0
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001018	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.078794	µg/m ³	V0
Phosphorus	0.003480	0.139375	µg/m ³	V0
Potassium	0.000402	3.198633	µg/m ³	V4
Calcium	0.013042	0.218298	µg/m ³	V0
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	0.026865	µg/m ³	V0
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	0.000630	µg/m ³	V0
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001028	µg/m ³	V0
Strontium	0.000012	0.000256	µg/m ³	V0
Niobium	0.000006	0.000167	µg/m ³	V0
Molybdenum	0.000025	0.000093	µg/m ³	V0
Palladium	0.000050	0.001366	µg/m ³	V4
Silver	0.000006	0.000081	µg/m ³	V4
Cadmium	0.000011	0.000063	µg/m ³	V0
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	0.000185	µg/m ³	V0
Cesium	0.000004	0.000067	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000025	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000014	µg/m ³	V0
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	0.000371	µg/m ³	V4
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703341
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.1	°C	
Pressure		710.2	mmHg	
Particulate Matter	0.042	23.792	µg/m ³	V0
Lithium	0.000016	0.000654	µg/m ³	V0
Beryllium	0.000013	0.000028	µg/m ³	V0
Sodium	0.000777	0.122020	µg/m ³	V0
Magnesium	0.000279	0.233613	µg/m ³	V0
Aluminum	0.002800	0.687777	µg/m ³	V0
Silicon	0.010200	1.399260	µg/m ³	V0
Phosphorus	0.003480	0.055789	µg/m ³	V0
Potassium	0.000402	0.255922	µg/m ³	V0
Calcium	0.013042	0.775560	µg/m ³	V0
Titanium	0.000031	0.028608	µg/m ³	V0
Vanadium	0.000018	0.001957	µg/m ³	V0
Chromium	0.000045	0.001632	µg/m ³	V0
Manganese	0.000028	0.017102	µg/m ³	V0
Iron	0.001585	0.610743	µg/m ³	V0
Cobalt	0.000005	0.000335	µg/m ³	V0
Nickel	0.000015	0.000612	µg/m ³	V0
Copper	0.000027	0.000636	µg/m ³	V0
Zinc	0.000149	0.003041	µg/m ³	V0
Arsenic	0.000005	0.000385	µg/m ³	V0
Selenium	0.000133	0.000159	µg/m ³	V0
Rubidium	0.000003	0.001280	µg/m ³	V0
Strontium	0.000012	0.003320	µg/m ³	V0
Niobium	0.000006	0.000179	µg/m ³	V0
Molybdenum	0.000025	0.000110	µg/m ³	V0
Palladium	0.000050	0.000050	µg/m ³	V0
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000074	µg/m ³	V0
Tin	0.000008	0.000080	µg/m ³	V0
Antimony	0.000016	0.000180	µg/m ³	V0
Cesium	0.000004	0.000054	µg/m ³	V0
Barium	0.000054	0.012603	µg/m ³	V0
Lanthanum	0.000004	0.000622	µg/m ³	V0
Cerium	0.000013	0.001129	µg/m ³	V0
Praseodymium	0.000002	0.000136	µg/m ³	V0
Neodymium	0.000005	0.000495	µg/m ³	V0
Samarium	0.000006	0.000085	µg/m ³	V0
Tantalum	0.000003	0.000396	µg/m ³	V0
Tungsten	0.000005	0.000191	µg/m ³	V0
Platinum	0.000004	0.000051	µg/m ³	V0
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000777	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000191	µg/m ³	V0
Uranium	0.000003	0.000028	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703348
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.0	°C	
Pressure		717.0	mmHg	
Particulate Matter	0.042	16.208	µg/m ³	V0
Lithium	0.000016	0.000236	µg/m ³	V0
Beryllium	0.000013	0.000013	µg/m ³	V0
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.705349	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.162067	µg/m ³	V0
Calcium	0.013042	0.013989	µg/m ³	V0
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	0.000696	µg/m ³	V0
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	0.000096	µg/m ³	V0
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000354	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000050	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000011	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000111	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000022	µg/m ³	V0
Tungsten	0.000005	0.000005	µg/m ³	V0
Platinum	0.000004	0.000070	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220703356
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		23.5	°C	
Pressure		731.5	mmHg	
Particulate Matter	0.042	43.000	µg/m ³	V0
Lithium	0.000016	0.001961	µg/m ³	V0
Beryllium	0.000013	0.000054	µg/m ³	V0
Sodium	0.000777	0.131159	µg/m ³	V0
Magnesium	0.000279	0.239191	µg/m ³	V0
Aluminum	0.002800	1.083022	µg/m ³	V0
Silicon	0.010200	1.856803	µg/m ³	V0
Phosphorus	0.003480	0.043395	µg/m ³	V0
Potassium	0.000402	0.455770	µg/m ³	V0
Calcium	0.013042	1.221794	µg/m ³	V0
Titanium	0.000031	0.057323	µg/m ³	V0
Vanadium	0.000018	0.004605	µg/m ³	V0
Chromium	0.000045	0.001862	µg/m ³	V0
Manganese	0.000028	0.015575	µg/m ³	V0
Iron	0.001585	0.829817	µg/m ³	V0
Cobalt	0.000005	0.000655	µg/m ³	V0
Nickel	0.000015	0.001297	µg/m ³	V0
Copper	0.000027	0.000756	µg/m ³	V0
Zinc	0.000149	0.003303	µg/m ³	V0
Arsenic	0.000005	0.000472	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002440	µg/m ³	V0
Strontium	0.000012	0.005431	µg/m ³	V0
Niobium	0.000006	0.001134	µg/m ³	V0
Molybdenum	0.000025	0.001138	µg/m ³	V0
Palladium	0.000050	0.000062	µg/m ³	V0
Silver	0.000006	0.000196	µg/m ³	V4
Cadmium	0.000011	0.000057	µg/m ³	V0
Tin	0.000008	0.000343	µg/m ³	V0
Antimony	0.000016	0.000384	µg/m ³	V0
Cesium	0.000004	0.000154	µg/m ³	V0
Barium	0.000054	0.013501	µg/m ³	V0
Lanthanum	0.000004	0.000731	µg/m ³	V0
Cerium	0.000013	0.001594	µg/m ³	V0
Praseodymium	0.000002	0.000193	µg/m ³	V0
Neodymium	0.000005	0.000718	µg/m ³	V0
Samarium	0.000006	0.000129	µg/m ³	V0
Tantalum	0.000003	0.006144	µg/m ³	V4
Tungsten	0.000005	0.004872	µg/m ³	V4
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000594	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000226	µg/m ³	V0
Uranium	0.000003	0.000059	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703359
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.7	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	80.500	µg/m ³	V0
Lithium	0.000016	0.007212	µg/m ³	V0
Beryllium	0.000013	0.000174	µg/m ³	V0
Sodium	0.000777	0.747923	µg/m ³	V4
Magnesium	0.000279	0.605982	µg/m ³	V0
Aluminum	0.002800	4.457300	µg/m ³	V0
Silicon	0.010200	1.334662	µg/m ³	V0
Phosphorus	0.003480	0.059432	µg/m ³	V0
Potassium	0.000402	1.116268	µg/m ³	V0
Calcium	0.013042	1.087800	µg/m ³	V0
Titanium	0.000031	0.155958	µg/m ³	V0
Vanadium	0.000018	0.016283	µg/m ³	V0
Chromium	0.000045	0.000298	µg/m ³	V0
Manganese	0.000028	0.000216	µg/m ³	V0
Iron	0.001585	0.006436	µg/m ³	V0
Cobalt	0.000005	0.002019	µg/m ³	V0
Nickel	0.000015	0.000088	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002633	µg/m ³	V0
Arsenic	0.000005	0.000940	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.005546	µg/m ³	V0
Strontium	0.000012	0.014153	µg/m ³	V0
Niobium	0.000006	0.000678	µg/m ³	V0
Molybdenum	0.000025	0.000322	µg/m ³	V0
Palladium	0.000050	0.000212	µg/m ³	V0
Silver	0.000006	0.000033	µg/m ³	V0
Cadmium	0.000011	0.000089	µg/m ³	V0
Tin	0.000008	0.000230	µg/m ³	V0
Antimony	0.000016	0.000081	µg/m ³	V0
Cesium	0.000004	0.000454	µg/m ³	V0
Barium	0.000054	0.033994	µg/m ³	V0
Lanthanum	0.000004	0.002372	µg/m ³	V0
Cerium	0.000013	0.004816	µg/m ³	V0
Praseodymium	0.000002	0.000598	µg/m ³	V0
Neodymium	0.000005	0.002433	µg/m ³	V0
Samarium	0.000006	0.000443	µg/m ³	V0
Tantalum	0.000003	0.000039	µg/m ³	V0
Tungsten	0.000005	0.000032	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000067	µg/m ³	V0
Lead	0.000018	0.001726	µg/m ³	V0
Bismuth	0.000004	0.000092	µg/m ³	V0
Thorium	0.000002	0.000846	µg/m ³	V0
Uranium	0.000003	0.000229	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220703305
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		26.5	°C	
Pressure		735.3	mmHg	
Particulate Matter	0.042	19.917	µg/m ³	V0
Lithium	0.000016	0.000515	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.058994	µg/m ³	V0
Magnesium	0.000279	0.120265	µg/m ³	V0
Aluminum	0.002800	0.613269	µg/m ³	V0
Silicon	0.010200	0.735890	µg/m ³	V0
Phosphorus	0.003480	0.084595	µg/m ³	V0
Potassium	0.000402	0.191079	µg/m ³	V0
Calcium	0.013042	0.358153	µg/m ³	V0
Titanium	0.000031	0.022172	µg/m ³	V0
Vanadium	0.000018	0.001802	µg/m ³	V0
Chromium	0.000045	0.001165	µg/m ³	V0
Manganese	0.000028	0.008487	µg/m ³	V0
Iron	0.001585	0.320810	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000625	µg/m ³	V0
Copper	0.000027	0.000408	µg/m ³	V0
Zinc	0.000149	0.004541	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000691	µg/m ³	V0
Strontium	0.000012	0.001530	µg/m ³	V0
Niobium	0.000006	0.000121	µg/m ³	V0
Molybdenum	0.000025	0.000104	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000150	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.005842	µg/m ³	V0
Lanthanum	0.000004	0.000257	µg/m ³	V0
Cerium	0.000013	0.000620	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000253	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000555	µg/m ³	V0
Tungsten	0.000005	0.000079	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000154	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000018	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: **PM10 Metal**
Location: **Athabasca Valley**
Start Date: **2022-08-02 08:13**

Deployment Information

Samp Use: **Field Procedure Blank** Set Index: **1**
Loc ID: **ATHV** WBEA ID: **220803411**
End Date: **2022-08-02 08:14** Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002342	µg/m ³	V0
Aluminum	0.002800	0.007441	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.061357	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.022891	µg/m ³	V0
Titanium	0.000031	0.000821	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000339	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.003961	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000096	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000078	µg/m ³	V0
Molybdenum	0.000025	0.000042	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000038	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000137	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000768	µg/m ³	V0
Tungsten	0.000005	0.000067	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220703377
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.9	°C	
Pressure		728.9	mmHg	
Particulate Matter	0.042	22.167	µg/m ³	V0
Lithium	0.000016	0.001114	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.113174	µg/m ³	V0
Magnesium	0.000279	0.202125	µg/m ³	V0
Aluminum	0.002800	1.143564	µg/m ³	V0
Silicon	0.010200	2.012668	µg/m ³	V0
Phosphorus	0.003480	0.093790	µg/m ³	V0
Potassium	0.000402	0.273699	µg/m ³	V0
Calcium	0.013042	0.551912	µg/m ³	V0
Titanium	0.000031	0.035788	µg/m ³	V0
Vanadium	0.000018	0.003120	µg/m ³	V0
Chromium	0.000045	0.003136	µg/m ³	V0
Manganese	0.000028	0.008352	µg/m ³	V0
Iron	0.001585	0.562872	µg/m ³	V0
Cobalt	0.000005	0.000175	µg/m ³	V0
Nickel	0.000015	0.001617	µg/m ³	V0
Copper	0.000027	0.001075	µg/m ³	V0
Zinc	0.000149	0.002723	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001167	µg/m ³	V0
Strontium	0.000012	0.002822	µg/m ³	V0
Niobium	0.000006	0.000150	µg/m ³	V0
Molybdenum	0.000025	0.000110	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000262	µg/m ³	V0
Antimony	0.000016	0.000023	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.009932	µg/m ³	V0
Lanthanum	0.000004	0.000380	µg/m ³	V0
Cerium	0.000013	0.000915	µg/m ³	V0
Praseodymium	0.000002	0.000042	µg/m ³	V0
Neodymium	0.000005	0.000437	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000568	µg/m ³	V0
Tungsten	0.000005	0.000072	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000275	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000074	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220703380
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.3	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	21.125	µg/m ³	V0
Lithium	0.000016	0.000595	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.090646	µg/m ³	V0
Magnesium	0.000279	0.190350	µg/m ³	V0
Aluminum	0.002800	0.745238	µg/m ³	V0
Silicon	0.010200	0.699241	µg/m ³	V0
Phosphorus	0.003480	0.116834	µg/m ³	V0
Potassium	0.000402	0.207932	µg/m ³	V0
Calcium	0.013042	1.195702	µg/m ³	V0
Titanium	0.000031	0.026681	µg/m ³	V0
Vanadium	0.000018	0.004266	µg/m ³	V0
Chromium	0.000045	0.002221	µg/m ³	V0
Manganese	0.000028	0.009591	µg/m ³	V0
Iron	0.001585	0.538391	µg/m ³	V0
Cobalt	0.000005	0.000056	µg/m ³	V0
Nickel	0.000015	0.001631	µg/m ³	V0
Copper	0.000027	0.001439	µg/m ³	V0
Zinc	0.000149	0.003384	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000725	µg/m ³	V0
Strontium	0.000012	0.002820	µg/m ³	V0
Niobium	0.000006	0.000115	µg/m ³	V0
Molybdenum	0.000025	0.000533	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000201	µg/m ³	V0
Antimony	0.000016	0.000053	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.006832	µg/m ³	V0
Lanthanum	0.000004	0.000309	µg/m ³	V0
Cerium	0.000013	0.000750	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000297	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000514	µg/m ³	V0
Tungsten	0.000005	0.000089	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000279	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000034	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703386
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.1	°C	
Pressure		730.9	mmHg	
Particulate Matter	0.042	26.625	µg/m ³	V0
Lithium	0.000016	0.000924	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.113168	µg/m ³	V0
Magnesium	0.000279	0.256535	µg/m ³	V0
Aluminum	0.002800	0.987487	µg/m ³	V0
Silicon	0.010200	0.378494	µg/m ³	V0
Phosphorus	0.003480	0.087825	µg/m ³	V0
Potassium	0.000402	0.257093	µg/m ³	V0
Calcium	0.013042	2.260266	µg/m ³	V0
Titanium	0.000031	0.035492	µg/m ³	V0
Vanadium	0.000018	0.004878	µg/m ³	V0
Chromium	0.000045	0.001944	µg/m ³	V0
Manganese	0.000028	0.013955	µg/m ³	V0
Iron	0.001585	0.784072	µg/m ³	V0
Cobalt	0.000005	0.000163	µg/m ³	V0
Nickel	0.000015	0.001673	µg/m ³	V0
Copper	0.000027	0.001115	µg/m ³	V0
Zinc	0.000149	0.004495	µg/m ³	V0
Arsenic	0.000005	0.000014	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001098	µg/m ³	V0
Strontium	0.000012	0.004665	µg/m ³	V0
Niobium	0.000006	0.000139	µg/m ³	V0
Molybdenum	0.000025	0.000558	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000151	µg/m ³	V0
Antimony	0.000016	0.000131	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.008931	µg/m ³	V0
Lanthanum	0.000004	0.000427	µg/m ³	V0
Cerium	0.000013	0.000990	µg/m ³	V0
Praseodymium	0.000002	0.000051	µg/m ³	V0
Neodymium	0.000005	0.000430	µg/m ³	V0
Samarium	0.000006	0.000018	µg/m ³	V0
Tantalum	0.000003	0.000379	µg/m ³	V0
Tungsten	0.000005	0.000148	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000338	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000094	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803409
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.8	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	17.500	µg/m ³	V0
Lithium	0.000016	0.000416	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.064864	µg/m ³	V0
Magnesium	0.000279	0.164910	µg/m ³	V0
Aluminum	0.002800	0.577616	µg/m ³	V0
Silicon	0.010200	0.778280	µg/m ³	V0
Phosphorus	0.003480	0.112938	µg/m ³	V0
Potassium	0.000402	0.196000	µg/m ³	V0
Calcium	0.013042	0.629292	µg/m ³	V0
Titanium	0.000031	0.021047	µg/m ³	V0
Vanadium	0.000018	0.001546	µg/m ³	V0
Chromium	0.000045	0.001028	µg/m ³	V0
Manganese	0.000028	0.007360	µg/m ³	V0
Iron	0.001585	0.443614	µg/m ³	V0
Cobalt	0.000005	0.000013	µg/m ³	V0
Nickel	0.000015	0.000603	µg/m ³	V0
Copper	0.000027	0.002361	µg/m ³	V0
Zinc	0.000149	0.009390	µg/m ³	V0
Arsenic	0.000005	0.000193	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000538	µg/m ³	V0
Strontium	0.000012	0.001835	µg/m ³	V0
Niobium	0.000006	0.000134	µg/m ³	V0
Molybdenum	0.000025	0.000170	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000502	µg/m ³	V0
Antimony	0.000016	0.000529	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.011443	µg/m ³	V0
Lanthanum	0.000004	0.000276	µg/m ³	V0
Cerium	0.000013	0.000697	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000265	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000711	µg/m ³	V0
Tungsten	0.000005	0.000321	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000299	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803419
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		729.9	mmHg	
Particulate Matter	0.042	79.625	µg/m ³	V0
Lithium	0.000016	0.004577	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.332847	µg/m ³	V0
Magnesium	0.000279	1.086497	µg/m ³	V0
Aluminum	0.002800	4.097264	µg/m ³	V0
Silicon	0.010200	0.821748	µg/m ³	V0
Phosphorus	0.003480	0.120770	µg/m ³	V0
Potassium	0.000402	0.927445	µg/m ³	V0
Calcium	0.013042	5.386117	µg/m ³	V0
Titanium	0.000031	0.126759	µg/m ³	V0
Vanadium	0.000018	0.012189	µg/m ³	V0
Chromium	0.000045	0.004647	µg/m ³	V0
Manganese	0.000028	0.088961	µg/m ³	V4
Iron	0.001585	4.089847	µg/m ³	V0
Cobalt	0.000005	0.001865	µg/m ³	V0
Nickel	0.000015	0.003074	µg/m ³	V0
Copper	0.000027	0.002309	µg/m ³	V0
Zinc	0.000149	0.007488	µg/m ³	V0
Arsenic	0.000005	0.000405	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.004839	µg/m ³	V0
Strontium	0.000012	0.016360	µg/m ³	V0
Niobium	0.000006	0.000493	µg/m ³	V0
Molybdenum	0.000025	0.000458	µg/m ³	V0
Palladium	0.000050	0.000122	µg/m ³	V0
Silver	0.000006	0.000027	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000301	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	0.000154	µg/m ³	V0
Barium	0.000054	0.031131	µg/m ³	V0
Lanthanum	0.000004	0.002341	µg/m ³	V0
Cerium	0.000013	0.005172	µg/m ³	V0
Praseodymium	0.000002	0.000571	µg/m ³	V0
Neodymium	0.000005	0.002439	µg/m ³	V0
Samarium	0.000006	0.000365	µg/m ³	V0
Tantalum	0.000003	0.000542	µg/m ³	V0
Tungsten	0.000005	0.001085	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.001536	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000805	µg/m ³	V0
Uranium	0.000003	0.000079	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803421
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.1	°C	
Pressure		712.5	mmHg	
Particulate Matter	0.042	10.458	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031179	µg/m ³	V0
Magnesium	0.000279	0.068984	µg/m ³	V0
Aluminum	0.002800	0.199276	µg/m ³	V0
Silicon	0.010200	0.352973	µg/m ³	V0
Phosphorus	0.003480	0.107930	µg/m ³	V0
Potassium	0.000402	0.092204	µg/m ³	V0
Calcium	0.013042	0.461332	µg/m ³	V0
Titanium	0.000031	0.007200	µg/m ³	V0
Vanadium	0.000018	0.000542	µg/m ³	V0
Chromium	0.000045	0.000676	µg/m ³	V0
Manganese	0.000028	0.002866	µg/m ³	V0
Iron	0.001585	0.139677	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.001168	µg/m ³	V0
Copper	0.000027	0.000146	µg/m ³	V0
Zinc	0.000149	0.001235	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000116	µg/m ³	V0
Strontium	0.000012	0.000692	µg/m ³	V0
Niobium	0.000006	0.000095	µg/m ³	V0
Molybdenum	0.000025	0.000376	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000137	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001934	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000161	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000039	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000749	µg/m ³	V0
Tungsten	0.000005	0.000092	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803435
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.5	°C	
Pressure		734.2	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.010186	µg/m ³	V0
Magnesium	0.000279	0.012336	µg/m ³	V0
Aluminum	0.002800	0.039384	µg/m ³	V0
Silicon	0.010200	0.111959	µg/m ³	V0
Phosphorus	0.003480	0.048176	µg/m ³	V0
Potassium	0.000402	0.005308	µg/m ³	V0
Calcium	0.013042	0.023635	µg/m ³	V0
Titanium	0.000031	0.001922	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000860	µg/m ³	V0
Manganese	0.000028	0.000410	µg/m ³	V0
Iron	0.001585	0.021466	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000328	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000448	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000248	µg/m ³	V0
Molybdenum	0.000025	0.000043	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000099	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000262	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001204	µg/m ³	V0
Tungsten	0.000005	0.000203	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803442
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.2	°C	
Pressure		707.3	mmHg	
Particulate Matter	0.042	10.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.054281	µg/m ³	V0
Magnesium	0.000279	0.122930	µg/m ³	V0
Aluminum	0.002800	0.201937	µg/m ³	V0
Silicon	0.010200	0.429447	µg/m ³	V0
Phosphorus	0.003480	0.086517	µg/m ³	V0
Potassium	0.000402	0.066685	µg/m ³	V0
Calcium	0.013042	0.242781	µg/m ³	V0
Titanium	0.000031	0.007113	µg/m ³	V0
Vanadium	0.000018	0.000202	µg/m ³	V0
Chromium	0.000045	0.000846	µg/m ³	V0
Manganese	0.000028	0.004550	µg/m ³	V0
Iron	0.001585	0.172064	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000208	µg/m ³	V0
Copper	0.000027	0.000254	µg/m ³	V0
Zinc	0.000149	0.001593	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000112	µg/m ³	V0
Strontium	0.000012	0.000643	µg/m ³	V0
Niobium	0.000006	0.000071	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000124	µg/m ³	V0
Antimony	0.000016	0.008119	µg/m ³	V4
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002539	µg/m ³	V0
Lanthanum	0.000004	0.000054	µg/m ³	V0
Cerium	0.000013	0.000195	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000052	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000478	µg/m ³	V0
Tungsten	0.000005	0.000107	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.002481	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803446
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.9	°C	
Pressure		723.9	mmHg	
Particulate Matter	0.042	15.500	µg/m ³	V0
Lithium	0.000016	0.000284	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.055678	µg/m ³	V0
Magnesium	0.000279	0.119511	µg/m ³	V0
Aluminum	0.002800	0.439592	µg/m ³	V0
Silicon	0.010200	0.895967	µg/m ³	V0
Phosphorus	0.003480	0.095148	µg/m ³	V0
Potassium	0.000402	0.134457	µg/m ³	V0
Calcium	0.013042	0.432108	µg/m ³	V0
Titanium	0.000031	0.016205	µg/m ³	V0
Vanadium	0.000018	0.000938	µg/m ³	V0
Chromium	0.000045	0.001334	µg/m ³	V0
Manganese	0.000028	0.006117	µg/m ³	V0
Iron	0.001585	0.354366	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000508	µg/m ³	V0
Copper	0.000027	0.001777	µg/m ³	V0
Zinc	0.000149	0.006965	µg/m ³	V0
Arsenic	0.000005	0.000085	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000346	µg/m ³	V0
Strontium	0.000012	0.001306	µg/m ³	V0
Niobium	0.000006	0.000100	µg/m ³	V0
Molybdenum	0.000025	0.000136	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000443	µg/m ³	V0
Antimony	0.000016	0.000357	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.007599	µg/m ³	V0
Lanthanum	0.000004	0.000172	µg/m ³	V0
Cerium	0.000013	0.000466	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000164	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000644	µg/m ³	V0
Tungsten	0.000005	0.000285	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000147	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803454
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.2	°C	
Pressure		714.4	mmHg	
Particulate Matter	0.042	10.792	µg/m ³	V0
Lithium	0.000016	0.000054	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027743	µg/m ³	V0
Magnesium	0.000279	0.058997	µg/m ³	V0
Aluminum	0.002800	0.215060	µg/m ³	V0
Silicon	0.010200	0.348637	µg/m ³	V0
Phosphorus	0.003480	0.099428	µg/m ³	V0
Potassium	0.000402	0.079523	µg/m ³	V0
Calcium	0.013042	0.158665	µg/m ³	V0
Titanium	0.000031	0.006921	µg/m ³	V0
Vanadium	0.000018	0.000385	µg/m ³	V0
Chromium	0.000045	0.001512	µg/m ³	V0
Manganese	0.000028	0.002759	µg/m ³	V0
Iron	0.001585	0.131469	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000570	µg/m ³	V0
Copper	0.000027	0.001323	µg/m ³	V0
Zinc	0.000149	0.001917	µg/m ³	V0
Arsenic	0.000005	0.000012	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000135	µg/m ³	V0
Strontium	0.000012	0.000418	µg/m ³	V0
Niobium	0.000006	0.000094	µg/m ³	V0
Molybdenum	0.000025	0.000057	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000100	µg/m ³	V0
Antimony	0.000016	0.000031	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002450	µg/m ³	V0
Lanthanum	0.000004	0.000035	µg/m ³	V0
Cerium	0.000013	0.000166	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000040	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000687	µg/m ³	V0
Tungsten	0.000005	0.000093	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220803484
Start Date:	2022-08-05 15:25	End Date:	2022-08-05 15:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001558	µg/m ³	V0
Aluminum	0.002800	0.003093	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.036080	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.001064	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000413	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.003414	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000136	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000190	µg/m ³	V0
Molybdenum	0.000025	0.000043	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000098	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001097	µg/m ³	V0
Tungsten	0.000005	0.000163	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803460
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.1	°C	
Pressure		720.4	mmHg	
Particulate Matter	0.042	5.458	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007012	µg/m ³	V0
Magnesium	0.000279	0.025058	µg/m ³	V0
Aluminum	0.002800	0.057543	µg/m ³	V0
Silicon	0.010200	0.088099	µg/m ³	V0
Phosphorus	0.003480	0.101854	µg/m ³	V0
Potassium	0.000402	0.025696	µg/m ³	V0
Calcium	0.013042	0.087296	µg/m ³	V0
Titanium	0.000031	0.001837	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000815	µg/m ³	V0
Manganese	0.000028	0.001161	µg/m ³	V0
Iron	0.001585	0.044399	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000161	µg/m ³	V0
Copper	0.000027	0.000217	µg/m ³	V0
Zinc	0.000149	0.000713	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000056	µg/m ³	V0
Niobium	0.000006	0.000066	µg/m ³	V0
Molybdenum	0.000025	0.000039	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000152	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000754	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000657	µg/m ³	V0
Tungsten	0.000005	0.000031	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803468
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		741.3	mmHg	
Particulate Matter	0.042	10.958	µg/m ³	V0
Lithium	0.000016	0.000040	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.040430	µg/m ³	V0
Magnesium	0.000279	0.110042	µg/m ³	V0
Aluminum	0.002800	0.192876	µg/m ³	V0
Silicon	0.010200	0.345143	µg/m ³	V0
Phosphorus	0.003480	0.100345	µg/m ³	V0
Potassium	0.000402	0.084877	µg/m ³	V0
Calcium	0.013042	0.292620	µg/m ³	V0
Titanium	0.000031	0.009378	µg/m ³	V0
Vanadium	0.000018	0.000656	µg/m ³	V0
Chromium	0.000045	0.001133	µg/m ³	V0
Manganese	0.000028	0.004412	µg/m ³	V0
Iron	0.001585	0.246036	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000594	µg/m ³	V0
Copper	0.000027	0.002945	µg/m ³	V0
Zinc	0.000149	0.009561	µg/m ³	V0
Arsenic	0.000005	0.000328	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000129	µg/m ³	V0
Strontium	0.000012	0.000770	µg/m ³	V0
Niobium	0.000006	0.000108	µg/m ³	V0
Molybdenum	0.000025	0.000155	µg/m ³	V0
Palladium	0.000050	0.000191	µg/m ³	V0
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000537	µg/m ³	V0
Antimony	0.000016	0.000472	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.007672	µg/m ³	V0
Lanthanum	0.000004	0.000045	µg/m ³	V0
Cerium	0.000013	0.000180	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000042	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001040	µg/m ³	V0
Tungsten	0.000005	0.000373	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.000192	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803475
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	9.875	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.024312	µg/m ³	V0
Magnesium	0.000279	0.066181	µg/m ³	V0
Aluminum	0.002800	0.122107	µg/m ³	V0
Silicon	0.010200	0.352607	µg/m ³	V0
Phosphorus	0.003480	0.097333	µg/m ³	V0
Potassium	0.000402	0.058373	µg/m ³	V0
Calcium	0.013042	0.194964	µg/m ³	V0
Titanium	0.000031	0.005224	µg/m ³	V0
Vanadium	0.000018	0.000253	µg/m ³	V0
Chromium	0.000045	0.000622	µg/m ³	V0
Manganese	0.000028	0.002781	µg/m ³	V0
Iron	0.001585	0.127017	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000231	µg/m ³	V0
Copper	0.000027	0.001456	µg/m ³	V0
Zinc	0.000149	0.004083	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000019	µg/m ³	V0
Strontium	0.000012	0.000397	µg/m ³	V0
Niobium	0.000006	0.000076	µg/m ³	V0
Molybdenum	0.000025	0.000079	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000306	µg/m ³	V0
Antimony	0.000016	0.000204	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.003694	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000149	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000701	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803493
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		737.6	mmHg	
Particulate Matter	0.042	30.167	µg/m ³	V0
Lithium	0.000016	0.001688	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.094927	µg/m ³	V0
Magnesium	0.000279	0.208492	µg/m ³	V0
Aluminum	0.002800	1.571508	µg/m ³	V0
Silicon	0.010200	2.115797	µg/m ³	V0
Phosphorus	0.003480	0.092291	µg/m ³	V0
Potassium	0.000402	0.309648	µg/m ³	V0
Calcium	0.013042	0.722433	µg/m ³	V0
Titanium	0.000031	0.048307	µg/m ³	V0
Vanadium	0.000018	0.003373	µg/m ³	V0
Chromium	0.000045	0.001838	µg/m ³	V0
Manganese	0.000028	0.013820	µg/m ³	V0
Iron	0.001585	0.742149	µg/m ³	V0
Cobalt	0.000005	0.000310	µg/m ³	V0
Nickel	0.000015	0.000962	µg/m ³	V0
Copper	0.000027	0.000706	µg/m ³	V0
Zinc	0.000149	0.002681	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001451	µg/m ³	V0
Strontium	0.000012	0.003237	µg/m ³	V0
Niobium	0.000006	0.000189	µg/m ³	V0
Molybdenum	0.000025	0.000177	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000173	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.010114	µg/m ³	V0
Lanthanum	0.000004	0.000618	µg/m ³	V0
Cerium	0.000013	0.001454	µg/m ³	V0
Praseodymium	0.000002	0.000105	µg/m ³	V0
Neodymium	0.000005	0.000671	µg/m ³	V0
Samarium	0.000006	0.000061	µg/m ³	V0
Tantalum	0.000003	0.000599	µg/m ³	V0
Tungsten	0.000005	0.000083	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000363	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000163	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220803496
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.2	°C	
Pressure		739.5	mmHg	
Particulate Matter	0.042	9.667	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027415	µg/m ³	V0
Magnesium	0.000279	0.060278	µg/m ³	V0
Aluminum	0.002800	0.172451	µg/m ³	V0
Silicon	0.010200	0.408437	µg/m ³	V0
Phosphorus	0.003480	0.101867	µg/m ³	V0
Potassium	0.000402	0.069179	µg/m ³	V0
Calcium	0.013042	0.265236	µg/m ³	V0
Titanium	0.000031	0.005845	µg/m ³	V0
Vanadium	0.000018	0.000498	µg/m ³	V0
Chromium	0.000045	0.000944	µg/m ³	V0
Manganese	0.000028	0.002238	µg/m ³	V0
Iron	0.001585	0.120732	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000390	µg/m ³	V0
Copper	0.000027	0.000209	µg/m ³	V0
Zinc	0.000149	0.001401	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000098	µg/m ³	V0
Strontium	0.000012	0.000542	µg/m ³	V0
Niobium	0.000006	0.000080	µg/m ³	V0
Molybdenum	0.000025	0.000081	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000396	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001480	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000074	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000738	µg/m ³	V0
Tungsten	0.000005	0.000065	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220803501
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.8	°C	
Pressure		736.7	mmHg	
Particulate Matter	0.042	10.750	µg/m ³	V0
Lithium	0.000016	0.000122	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.040548	µg/m ³	V0
Magnesium	0.000279	0.089795	µg/m ³	V0
Aluminum	0.002800	0.326331	µg/m ³	V0
Silicon	0.010200	0.704782	µg/m ³	V0
Phosphorus	0.003480	0.083481	µg/m ³	V0
Potassium	0.000402	0.079003	µg/m ³	V0
Calcium	0.013042	0.221620	µg/m ³	V0
Titanium	0.000031	0.009766	µg/m ³	V0
Vanadium	0.000018	0.000813	µg/m ³	V0
Chromium	0.000045	0.001057	µg/m ³	V0
Manganese	0.000028	0.002868	µg/m ³	V0
Iron	0.001585	0.189928	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000419	µg/m ³	V0
Copper	0.000027	0.000242	µg/m ³	V0
Zinc	0.000149	0.001338	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000198	µg/m ³	V0
Strontium	0.000012	0.000730	µg/m ³	V0
Niobium	0.000006	0.000075	µg/m ³	V0
Molybdenum	0.000025	0.000073	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000154	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002471	µg/m ³	V0
Lanthanum	0.000004	0.000043	µg/m ³	V0
Cerium	0.000013	0.000172	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000052	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000638	µg/m ³	V0
Tungsten	0.000005	0.000065	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803507
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.9	°C	
Pressure		715.3	mmHg	
Particulate Matter	0.042	14.542	µg/m ³	V0
Lithium	0.000016	0.000205	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.080835	µg/m ³	V0
Magnesium	0.000279	0.229586	µg/m ³	V0
Aluminum	0.002800	0.460639	µg/m ³	V0
Silicon	0.010200	1.239947	µg/m ³	V0
Phosphorus	0.003480	0.084171	µg/m ³	V0
Potassium	0.000402	0.139414	µg/m ³	V0
Calcium	0.013042	0.682442	µg/m ³	V0
Titanium	0.000031	0.016326	µg/m ³	V0
Vanadium	0.000018	0.000779	µg/m ³	V0
Chromium	0.000045	0.001285	µg/m ³	V0
Manganese	0.000028	0.011501	µg/m ³	V0
Iron	0.001585	0.510363	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000640	µg/m ³	V0
Copper	0.000027	0.000483	µg/m ³	V0
Zinc	0.000149	0.001681	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000425	µg/m ³	V0
Strontium	0.000012	0.001713	µg/m ³	V0
Niobium	0.000006	0.000271	µg/m ³	V0
Molybdenum	0.000025	0.000053	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000161	µg/m ³	V0
Antimony	0.000016	0.000154	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.005152	µg/m ³	V0
Lanthanum	0.000004	0.000217	µg/m ³	V0
Cerium	0.000013	0.000543	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000207	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.002017	µg/m ³	V0
Tungsten	0.000005	0.000282	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000161	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000029	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803516
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		722.3	mmHg	
Particulate Matter	0.042	6.625	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.025054	µg/m ³	V0
Magnesium	0.000279	0.058492	µg/m ³	V0
Aluminum	0.002800	0.138737	µg/m ³	V0
Silicon	0.010200	0.486443	µg/m ³	V0
Phosphorus	0.003480	0.089475	µg/m ³	V0
Potassium	0.000402	0.041282	µg/m ³	V0
Calcium	0.013042	0.105388	µg/m ³	V0
Titanium	0.000031	0.005392	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001604	µg/m ³	V0
Manganese	0.000028	0.002534	µg/m ³	V0
Iron	0.001585	0.102796	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.001301	µg/m ³	V0
Copper	0.000027	0.000434	µg/m ³	V0
Zinc	0.000149	0.001032	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000023	µg/m ³	V0
Strontium	0.000012	0.000293	µg/m ³	V0
Niobium	0.000006	0.000076	µg/m ³	V0
Molybdenum	0.000025	0.000034	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000161	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002162	µg/m ³	V0
Lanthanum	0.000004	0.000021	µg/m ³	V0
Cerium	0.000013	0.000129	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000671	µg/m ³	V0
Tungsten	0.000005	0.000106	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803526
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.0	°C	
Pressure		738.0	mmHg	
Particulate Matter	0.042	12.375	µg/m ³	V0
Lithium	0.000016	0.000075	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.041460	µg/m ³	V0
Magnesium	0.000279	0.085288	µg/m ³	V0
Aluminum	0.002800	0.267738	µg/m ³	V0
Silicon	0.010200	0.690440	µg/m ³	V0
Phosphorus	0.003480	0.086429	µg/m ³	V0
Potassium	0.000402	0.076353	µg/m ³	V0
Calcium	0.013042	0.419962	µg/m ³	V0
Titanium	0.000031	0.007779	µg/m ³	V0
Vanadium	0.000018	0.000826	µg/m ³	V0
Chromium	0.000045	0.000898	µg/m ³	V0
Manganese	0.000028	0.003509	µg/m ³	V0
Iron	0.001585	0.208798	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000380	µg/m ³	V0
Copper	0.000027	0.000334	µg/m ³	V0
Zinc	0.000149	0.001575	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000149	µg/m ³	V0
Strontium	0.000012	0.000838	µg/m ³	V0
Niobium	0.000006	0.000083	µg/m ³	V0
Molybdenum	0.000025	0.000390	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000201	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002628	µg/m ³	V0
Lanthanum	0.000004	0.000077	µg/m ³	V0
Cerium	0.000013	0.000244	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000082	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000738	µg/m ³	V0
Tungsten	0.000005	0.000053	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803490
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Power outage resulted in a short sampling duration and a low sample volume.(82320/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		22.9	m ³	V6
Temperature		21.5	°C	
Pressure		741.3	mmHg	
Particulate Matter	0.042	3.057	µg/m ³	V0
Lithium	0.000016	0.000189	µg/m ³	V0
Beryllium	0.000013	0.000021	µg/m ³	V0
Sodium	0.000777	0.003878	µg/m ³	V0
Magnesium	0.000279	0.005100	µg/m ³	V0
Aluminum	0.002800	0.004933	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.066258	µg/m ³	V0
Calcium	0.013042	0.019008	µg/m ³	V0
Titanium	0.000031	0.000702	µg/m ³	V0
Vanadium	0.000018	0.000054	µg/m ³	V0
Chromium	0.000045	0.000784	µg/m ³	V0
Manganese	0.000028	0.000396	µg/m ³	V0
Iron	0.001585	0.010279	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000269	µg/m ³	V0
Copper	0.000027	0.001903	µg/m ³	V0
Zinc	0.000149	0.001918	µg/m ³	V0
Arsenic	0.000005	0.000220	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000074	µg/m ³	V0
Strontium	0.000012	0.000072	µg/m ³	V0
Niobium	0.000006	0.000110	µg/m ³	V0
Molybdenum	0.000025	0.000055	µg/m ³	V0
Palladium	0.000050	0.000121	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000141	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	0.000012	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000030	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000008	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000399	µg/m ³	V0
Tungsten	0.000005	0.000065	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000102	µg/m ³	V0
Lead	0.000018	0.000021	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220803607
Start Date:	2022-08-14 16:47	End Date:	2022-08-14 16:48	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001552	µg/m ³	V0
Magnesium	0.000279	0.002805	µg/m ³	V0
Aluminum	0.002800	0.006004	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.056725	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.016541	µg/m ³	V0
Titanium	0.000031	0.000552	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000809	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.006979	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000193	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000127	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000069	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000054	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000982	µg/m ³	V0
Tungsten	0.000005	0.000067	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803541
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.7	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	22.250	µg/m ³	V0
Lithium	0.000016	0.001496	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.115927	µg/m ³	V0
Magnesium	0.000279	0.179049	µg/m ³	V0
Aluminum	0.002800	1.319125	µg/m ³	V0
Silicon	0.010200	2.614430	µg/m ³	V0
Phosphorus	0.003480	0.087543	µg/m ³	V0
Potassium	0.000402	0.269576	µg/m ³	V0
Calcium	0.013042	0.247159	µg/m ³	V0
Titanium	0.000031	0.037204	µg/m ³	V0
Vanadium	0.000018	0.002950	µg/m ³	V0
Chromium	0.000045	0.001459	µg/m ³	V0
Manganese	0.000028	0.008524	µg/m ³	V0
Iron	0.001585	0.562951	µg/m ³	V0
Cobalt	0.000005	0.000190	µg/m ³	V0
Nickel	0.000015	0.000819	µg/m ³	V0
Copper	0.000027	0.000699	µg/m ³	V0
Zinc	0.000149	0.002587	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001252	µg/m ³	V0
Strontium	0.000012	0.002649	µg/m ³	V0
Niobium	0.000006	0.000172	µg/m ³	V0
Molybdenum	0.000025	0.000192	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000235	µg/m ³	V0
Antimony	0.000016	0.000034	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.008928	µg/m ³	V0
Lanthanum	0.000004	0.000349	µg/m ³	V0
Cerium	0.000013	0.000857	µg/m ³	V0
Praseodymium	0.000002	0.000034	µg/m ³	V0
Neodymium	0.000005	0.000404	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.000715	µg/m ³	V0
Tungsten	0.000005	0.000080	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000297	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000101	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803546
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		710.9	mmHg	
Particulate Matter	0.042	25.792	µg/m ³	V0
Lithium	0.000016	0.000466	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.169892	µg/m ³	V0
Magnesium	0.000279	0.343110	µg/m ³	V0
Aluminum	0.002800	0.794799	µg/m ³	V0
Silicon	0.010200	0.970317	µg/m ³	V0
Phosphorus	0.003480	0.090850	µg/m ³	V0
Potassium	0.000402	0.251613	µg/m ³	V0
Calcium	0.013042	0.950617	µg/m ³	V0
Titanium	0.000031	0.028586	µg/m ³	V0
Vanadium	0.000018	0.001769	µg/m ³	V0
Chromium	0.000045	0.001228	µg/m ³	V0
Manganese	0.000028	0.017961	µg/m ³	V0
Iron	0.001585	0.759203	µg/m ³	V0
Cobalt	0.000005	0.000263	µg/m ³	V0
Nickel	0.000015	0.001074	µg/m ³	V0
Copper	0.000027	0.001124	µg/m ³	V0
Zinc	0.000149	0.003676	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000914	µg/m ³	V0
Strontium	0.000012	0.002963	µg/m ³	V0
Niobium	0.000006	0.000148	µg/m ³	V0
Molybdenum	0.000025	0.000070	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000142	µg/m ³	V0
Antimony	0.000016	0.000062	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.011938	µg/m ³	V0
Lanthanum	0.000004	0.000544	µg/m ³	V0
Cerium	0.000013	0.001233	µg/m ³	V0
Praseodymium	0.000002	0.000074	µg/m ³	V0
Neodymium	0.000005	0.000542	µg/m ³	V0
Samarium	0.000006	0.000024	µg/m ³	V0
Tantalum	0.000003	0.000593	µg/m ³	V0
Tungsten	0.000005	0.000895	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000495	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000111	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220803552
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

Insect found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.2	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	9.125	µg/m ³	V0
Lithium	0.000016	0.000227	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.053795	µg/m ³	V0
Magnesium	0.000279	0.093027	µg/m ³	V0
Aluminum	0.002800	0.378878	µg/m ³	V0
Silicon	0.010200	0.690769	µg/m ³	V0
Phosphorus	0.003480	0.108044	µg/m ³	V0
Potassium	0.000402	0.119499	µg/m ³	V0
Calcium	0.013042	0.101069	µg/m ³	V0
Titanium	0.000031	0.011577	µg/m ³	V0
Vanadium	0.000018	0.000718	µg/m ³	V0
Chromium	0.000045	0.001237	µg/m ³	V0
Manganese	0.000028	0.002325	µg/m ³	V0
Iron	0.001585	0.172447	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000538	µg/m ³	V0
Copper	0.000027	0.018676	µg/m ³	V4
Zinc	0.000149	0.002245	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000273	µg/m ³	V0
Strontium	0.000012	0.000748	µg/m ³	V0
Niobium	0.000006	0.000095	µg/m ³	V0
Molybdenum	0.000025	0.000390	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000140	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.003207	µg/m ³	V0
Lanthanum	0.000004	0.000082	µg/m ³	V0
Cerium	0.000013	0.000230	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000086	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000964	µg/m ³	V0
Tungsten	0.000005	0.000131	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000073	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000071	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803558
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		717.6	mmHg	
Particulate Matter	0.042	9.250	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.026081	µg/m ³	V0
Magnesium	0.000279	0.064962	µg/m ³	V0
Aluminum	0.002800	0.136215	µg/m ³	V0
Silicon	0.010200	0.262932	µg/m ³	V0
Phosphorus	0.003480	0.081931	µg/m ³	V0
Potassium	0.000402	0.056221	µg/m ³	V0
Calcium	0.013042	0.163307	µg/m ³	V0
Titanium	0.000031	0.005665	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001336	µg/m ³	V0
Manganese	0.000028	0.002545	µg/m ³	V0
Iron	0.001585	0.105280	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000617	µg/m ³	V0
Copper	0.000027	0.000633	µg/m ³	V0
Zinc	0.000149	0.003441	µg/m ³	V0
Arsenic	0.000005	0.004190	µg/m ³	V4
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000090	µg/m ³	V0
Strontium	0.000012	0.000353	µg/m ³	V0
Niobium	0.000006	0.000106	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000307	µg/m ³	V0
Antimony	0.000016	0.000078	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002098	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000112	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000707	µg/m ³	V0
Tungsten	0.000005	0.000091	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000416	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00
		Set Index:	1
		WBEA ID:	220803560
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.1	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	20.750	µg/m ³	V0
Lithium	0.000016	0.001292	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.150658	µg/m ³	V0
Magnesium	0.000279	0.242156	µg/m ³	V0
Aluminum	0.002800	1.400027	µg/m ³	V0
Silicon	0.010200	2.001002	µg/m ³	V0
Phosphorus	0.003480	0.090230	µg/m ³	V0
Potassium	0.000402	0.324876	µg/m ³	V0
Calcium	0.013042	0.398573	µg/m ³	V0
Titanium	0.000031	0.046665	µg/m ³	V0
Vanadium	0.000018	0.003921	µg/m ³	V0
Chromium	0.000045	0.001382	µg/m ³	V0
Manganese	0.000028	0.008279	µg/m ³	V0
Iron	0.001585	0.667381	µg/m ³	V0
Cobalt	0.000005	0.000229	µg/m ³	V0
Nickel	0.000015	0.000805	µg/m ³	V0
Copper	0.000027	0.000968	µg/m ³	V0
Zinc	0.000149	0.002988	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001445	µg/m ³	V0
Strontium	0.000012	0.003384	µg/m ³	V0
Niobium	0.000006	0.000182	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000216	µg/m ³	V0
Antimony	0.000016	0.000067	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.010695	µg/m ³	V0
Lanthanum	0.000004	0.000413	µg/m ³	V0
Cerium	0.000013	0.000947	µg/m ³	V0
Praseodymium	0.000002	0.000047	µg/m ³	V0
Neodymium	0.000005	0.000476	µg/m ³	V0
Samarium	0.000006	0.000022	µg/m ³	V0
Tantalum	0.000003	0.000680	µg/m ³	V0
Tungsten	0.000005	0.000094	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000354	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000109	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803575	
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.4	°C	
Pressure		732.7	mmHg	
Particulate Matter	0.042	14.542	µg/m ³	V0
Lithium	0.000016	0.000450	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.058898	µg/m ³	V0
Magnesium	0.000279	0.123584	µg/m ³	V0
Aluminum	0.002800	0.615083	µg/m ³	V0
Silicon	0.010200	0.670893	µg/m ³	V0
Phosphorus	0.003480	0.074721	µg/m ³	V0
Potassium	0.000402	0.135745	µg/m ³	V0
Calcium	0.013042	0.424741	µg/m ³	V0
Titanium	0.000031	0.020029	µg/m ³	V0
Vanadium	0.000018	0.001332	µg/m ³	V0
Chromium	0.000045	0.001415	µg/m ³	V0
Manganese	0.000028	0.005728	µg/m ³	V0
Iron	0.001585	0.383547	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000761	µg/m ³	V0
Copper	0.000027	0.000613	µg/m ³	V0
Zinc	0.000149	0.002686	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000524	µg/m ³	V0
Strontium	0.000012	0.001562	µg/m ³	V0
Niobium	0.000006	0.000102	µg/m ³	V0
Molybdenum	0.000025	0.000041	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000178	µg/m ³	V0
Antimony	0.000016	0.000209	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.005296	µg/m ³	V0
Lanthanum	0.000004	0.000175	µg/m ³	V0
Cerium	0.000013	0.000455	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000198	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000577	µg/m ³	V0
Tungsten	0.000005	0.000135	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000152	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803582
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.6	°C	
Pressure		725.7	mmHg	
Particulate Matter	0.042	7.542	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.050791	µg/m ³	V0
Magnesium	0.000279	0.092498	µg/m ³	V0
Aluminum	0.002800	0.232592	µg/m ³	V0
Silicon	0.010200	0.493144	µg/m ³	V0
Phosphorus	0.003480	0.087532	µg/m ³	V0
Potassium	0.000402	0.062258	µg/m ³	V0
Calcium	0.013042	0.215274	µg/m ³	V0
Titanium	0.000031	0.007852	µg/m ³	V0
Vanadium	0.000018	0.000271	µg/m ³	V0
Chromium	0.000045	0.000841	µg/m ³	V0
Manganese	0.000028	0.002564	µg/m ³	V0
Iron	0.001585	0.148437	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000250	µg/m ³	V0
Copper	0.000027	0.000575	µg/m ³	V0
Zinc	0.000149	0.002670	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000107	µg/m ³	V0
Strontium	0.000012	0.000841	µg/m ³	V0
Niobium	0.000006	0.000118	µg/m ³	V0
Molybdenum	0.000025	0.000090	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000261	µg/m ³	V0
Antimony	0.000016	0.000144	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.003281	µg/m ³	V0
Lanthanum	0.000004	0.000035	µg/m ³	V0
Cerium	0.000013	0.000150	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000020	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000930	µg/m ³	V0
Tungsten	0.000005	0.000110	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803588
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.9	°C	
Pressure		735.4	mmHg	
Particulate Matter	0.042	13.208	µg/m ³	V0
Lithium	0.000016	0.000107	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.059907	µg/m ³	V0
Magnesium	0.000279	0.122459	µg/m ³	V0
Aluminum	0.002800	0.319391	µg/m ³	V0
Silicon	0.010200	0.416981	µg/m ³	V0
Phosphorus	0.003480	0.088312	µg/m ³	V0
Potassium	0.000402	0.103198	µg/m ³	V0
Calcium	0.013042	0.337593	µg/m ³	V0
Titanium	0.000031	0.012468	µg/m ³	V0
Vanadium	0.000018	0.000534	µg/m ³	V0
Chromium	0.000045	0.001083	µg/m ³	V0
Manganese	0.000028	0.005667	µg/m ³	V0
Iron	0.001585	0.333671	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000510	µg/m ³	V0
Copper	0.000027	0.002833	µg/m ³	V0
Zinc	0.000149	0.008126	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000218	µg/m ³	V0
Strontium	0.000012	0.001024	µg/m ³	V0
Niobium	0.000006	0.000071	µg/m ³	V0
Molybdenum	0.000025	0.000112	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000532	µg/m ³	V0
Antimony	0.000016	0.000476	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.010145	µg/m ³	V0
Lanthanum	0.000004	0.000107	µg/m ³	V0
Cerium	0.000013	0.000340	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000097	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000423	µg/m ³	V0
Tungsten	0.000005	0.000235	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000118	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803609
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

Power outage(79200/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		22.0	m ³	V6
Temperature		19.7	°C	
Pressure		715.1	mmHg	
Particulate Matter	0.042	7.091	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015268	µg/m ³	V0
Magnesium	0.000279	0.038146	µg/m ³	V0
Aluminum	0.002800	0.106366	µg/m ³	V0
Silicon	0.010200	0.171840	µg/m ³	V0
Phosphorus	0.003480	0.101971	µg/m ³	V0
Potassium	0.000402	0.036643	µg/m ³	V0
Calcium	0.013042	0.090344	µg/m ³	V0
Titanium	0.000031	0.003153	µg/m ³	V0
Vanadium	0.000018	0.000196	µg/m ³	V0
Chromium	0.000045	0.000835	µg/m ³	V0
Manganese	0.000028	0.001722	µg/m ³	V0
Iron	0.001585	0.112280	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000356	µg/m ³	V0
Copper	0.000027	0.000341	µg/m ³	V0
Zinc	0.000149	0.001721	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000126	µg/m ³	V0
Niobium	0.000006	0.000079	µg/m ³	V0
Molybdenum	0.000025	0.000123	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000252	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000797	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000976	µg/m ³	V0
Tungsten	0.000005	0.000110	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803599
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.9	°C	
Pressure		734.0	mmHg	
Particulate Matter	0.042	5.667	µg/m ³	V0
Lithium	0.000016	0.000136	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.020938	µg/m ³	V0
Magnesium	0.000279	0.022967	µg/m ³	V0
Aluminum	0.002800	0.074784	µg/m ³	V0
Silicon	0.010200	0.173488	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.110965	µg/m ³	V0
Calcium	0.013042	0.056245	µg/m ³	V0
Titanium	0.000031	0.002821	µg/m ³	V0
Vanadium	0.000018	0.000298	µg/m ³	V0
Chromium	0.000045	0.000657	µg/m ³	V0
Manganese	0.000028	0.001395	µg/m ³	V0
Iron	0.001585	0.037715	µg/m ³	V0
Cobalt	0.000005	0.000048	µg/m ³	V0
Nickel	0.000015	0.000353	µg/m ³	V0
Copper	0.000027	0.000167	µg/m ³	V0
Zinc	0.000149	0.004309	µg/m ³	V0
Arsenic	0.000005	0.000101	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000136	µg/m ³	V0
Strontium	0.000012	0.000333	µg/m ³	V0
Niobium	0.000006	0.000156	µg/m ³	V0
Molybdenum	0.000025	0.000035	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000155	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000037	µg/m ³	V0
Cerium	0.000013	0.000076	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000036	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000509	µg/m ³	V0
Tungsten	0.000005	0.000077	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000093	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220803628
Start Date:	2022-08-16 09:31	End Date:	2022-08-16 09:32	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.417	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002699	µg/m ³	V0
Aluminum	0.002800	0.005448	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.068303	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.015164	µg/m ³	V0
Titanium	0.000031	0.000629	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001353	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.009981	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000567	µg/m ³	V0
Copper	0.000027	0.000061	µg/m ³	V0
Zinc	0.000149	0.000251	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000052	µg/m ³	V0
Molybdenum	0.000025	0.000025	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000149	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000108	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000584	µg/m ³	V0
Tungsten	0.000005	0.000023	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803625
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.3	°C	
Pressure		714.6	mmHg	
Particulate Matter	0.042	35.083	µg/m ³	V0
Lithium	0.000016	0.000050	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.055470	µg/m ³	V0
Magnesium	0.000279	0.135371	µg/m ³	V0
Aluminum	0.002800	0.272801	µg/m ³	V0
Silicon	0.010200	0.481791	µg/m ³	V0
Phosphorus	0.003480	0.104372	µg/m ³	V0
Potassium	0.000402	0.206839	µg/m ³	V0
Calcium	0.013042	0.377639	µg/m ³	V0
Titanium	0.000031	0.009656	µg/m ³	V0
Vanadium	0.000018	0.000333	µg/m ³	V0
Chromium	0.000045	0.001047	µg/m ³	V0
Manganese	0.000028	0.008771	µg/m ³	V0
Iron	0.001585	0.232222	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000393	µg/m ³	V0
Copper	0.000027	0.000405	µg/m ³	V0
Zinc	0.000149	0.006584	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000554	µg/m ³	V0
Strontium	0.000012	0.001233	µg/m ³	V0
Niobium	0.000006	0.000081	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000368	µg/m ³	V0
Antimony	0.000016	0.000065	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.003718	µg/m ³	V0
Lanthanum	0.000004	0.000096	µg/m ³	V0
Cerium	0.000013	0.000280	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000079	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000549	µg/m ³	V0
Tungsten	0.000005	0.000133	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000172	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803637
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.3	°C	
Pressure		721.7	mmHg	
Particulate Matter	0.042	34.917	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.036934	µg/m ³	V0
Magnesium	0.000279	0.091597	µg/m ³	V0
Aluminum	0.002800	0.220927	µg/m ³	V0
Silicon	0.010200	0.445505	µg/m ³	V0
Phosphorus	0.003480	0.114418	µg/m ³	V0
Potassium	0.000402	0.193178	µg/m ³	V0
Calcium	0.013042	0.183497	µg/m ³	V0
Titanium	0.000031	0.008578	µg/m ³	V0
Vanadium	0.000018	0.000110	µg/m ³	V0
Chromium	0.000045	0.000944	µg/m ³	V0
Manganese	0.000028	0.007415	µg/m ³	V0
Iron	0.001585	0.145013	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000443	µg/m ³	V0
Copper	0.000027	0.007715	µg/m ³	V0
Zinc	0.000149	0.008824	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000477	µg/m ³	V0
Strontium	0.000012	0.000805	µg/m ³	V0
Niobium	0.000006	0.000086	µg/m ³	V0
Molybdenum	0.000025	0.000034	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000329	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.003470	µg/m ³	V0
Lanthanum	0.000004	0.000060	µg/m ³	V0
Cerium	0.000013	0.000221	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000052	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000642	µg/m ³	V0
Tungsten	0.000005	0.000100	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000111	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803643
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		720.3	mmHg	
Particulate Matter	0.042	31.542	µg/m ³	V0
Lithium	0.000016	0.000391	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.049711	µg/m ³	V0
Magnesium	0.000279	0.111004	µg/m ³	V0
Aluminum	0.002800	0.551878	µg/m ³	V0
Silicon	0.010200	0.811093	µg/m ³	V0
Phosphorus	0.003480	0.097946	µg/m ³	V0
Potassium	0.000402	0.205556	µg/m ³	V0
Calcium	0.013042	0.513218	µg/m ³	V0
Titanium	0.000031	0.017078	µg/m ³	V0
Vanadium	0.000018	0.001158	µg/m ³	V0
Chromium	0.000045	0.000906	µg/m ³	V0
Manganese	0.000028	0.005387	µg/m ³	V0
Iron	0.001585	0.261349	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000458	µg/m ³	V0
Copper	0.000027	0.000388	µg/m ³	V0
Zinc	0.000149	0.006519	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000694	µg/m ³	V0
Strontium	0.000012	0.001545	µg/m ³	V0
Niobium	0.000006	0.000108	µg/m ³	V0
Molybdenum	0.000025	0.000195	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000217	µg/m ³	V0
Antimony	0.000016	0.000031	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.004973	µg/m ³	V0
Lanthanum	0.000004	0.000204	µg/m ³	V0
Cerium	0.000013	0.000512	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000209	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000626	µg/m ³	V0
Tungsten	0.000005	0.000074	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000222	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220803647
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.5	°C	
Pressure		737.6	mmHg	
Particulate Matter	0.042	157.208	µg/m ³	V4
Lithium	0.000016	0.007102	µg/m ³	V0
Beryllium	0.000013	0.000108	µg/m ³	V0
Sodium	0.000777	0.587066	µg/m ³	V0
Magnesium	0.000279	2.216204	µg/m ³	V4
Aluminum	0.002800	6.827123	µg/m ³	V0
Silicon	0.010200	0.513688	µg/m ³	V0
Phosphorus	0.003480	0.153947	µg/m ³	V0
Potassium	0.000402	1.660724	µg/m ³	V0
Calcium	0.013042	11.336341	µg/m ³	V4
Titanium	0.000031	0.215034	µg/m ³	V0
Vanadium	0.000018	0.020134	µg/m ³	V0
Chromium	0.000045	0.006772	µg/m ³	V0
Manganese	0.000028	0.182756	µg/m ³	V4
Iron	0.001585	8.286031	µg/m ³	V4
Cobalt	0.000005	0.003906	µg/m ³	V4
Nickel	0.000015	0.004671	µg/m ³	V0
Copper	0.000027	0.003387	µg/m ³	V0
Zinc	0.000149	0.011830	µg/m ³	V0
Arsenic	0.000005	0.001322	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.009156	µg/m ³	V0
Strontium	0.000012	0.035336	µg/m ³	V4
Niobium	0.000006	0.001485	µg/m ³	V4
Molybdenum	0.000025	0.001225	µg/m ³	V0
Palladium	0.000050	0.000279	µg/m ³	V0
Silver	0.000006	0.000243	µg/m ³	V4
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000513	µg/m ³	V0
Antimony	0.000016	0.000324	µg/m ³	V0
Cesium	0.000004	0.000307	µg/m ³	V0
Barium	0.000054	0.056253	µg/m ³	V0
Lanthanum	0.000004	0.004259	µg/m ³	V0
Cerium	0.000013	0.009198	µg/m ³	V0
Praseodymium	0.000002	0.001065	µg/m ³	V0
Neodymium	0.000005	0.004493	µg/m ³	V4
Samarium	0.000006	0.000713	µg/m ³	V0
Tantalum	0.000003	0.006025	µg/m ³	V4
Tungsten	0.000005	0.007611	µg/m ³	V4
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.002995	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.001560	µg/m ³	V0
Uranium	0.000003	0.000241	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00
		Set Index:	1
		WBEA ID:	220803655
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		743.2	mmHg	
Particulate Matter	0.042	57.958	µg/m ³	V0
Lithium	0.000016	0.003166	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.222296	µg/m ³	V0
Magnesium	0.000279	0.517837	µg/m ³	V0
Aluminum	0.002800	2.828079	µg/m ³	V0
Silicon	0.010200	1.200812	µg/m ³	V0
Phosphorus	0.003480	0.094059	µg/m ³	V0
Potassium	0.000402	0.688432	µg/m ³	V0
Calcium	0.013042	3.451719	µg/m ³	V0
Titanium	0.000031	0.077622	µg/m ³	V0
Vanadium	0.000018	0.008535	µg/m ³	V0
Chromium	0.000045	0.003414	µg/m ³	V0
Manganese	0.000028	0.024527	µg/m ³	V0
Iron	0.001585	1.242952	µg/m ³	V0
Cobalt	0.000005	0.000814	µg/m ³	V0
Nickel	0.000015	0.002010	µg/m ³	V0
Copper	0.000027	0.003063	µg/m ³	V0
Zinc	0.000149	0.013276	µg/m ³	V0
Arsenic	0.000005	0.000257	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.003539	µg/m ³	V0
Strontium	0.000012	0.009241	µg/m ³	V0
Niobium	0.000006	0.000393	µg/m ³	V0
Molybdenum	0.000025	0.000564	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	0.000022	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000415	µg/m ³	V0
Antimony	0.000016	0.000365	µg/m ³	V0
Cesium	0.000004	0.000113	µg/m ³	V0
Barium	0.000054	0.023418	µg/m ³	V0
Lanthanum	0.000004	0.001296	µg/m ³	V0
Cerium	0.000013	0.002884	µg/m ³	V0
Praseodymium	0.000002	0.000287	µg/m ³	V0
Neodymium	0.000005	0.001396	µg/m ³	V0
Samarium	0.000006	0.000185	µg/m ³	V0
Tantalum	0.000003	0.000781	µg/m ³	V0
Tungsten	0.000005	0.000326	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000937	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000377	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220803662
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		737.3	mmHg	
Particulate Matter	0.042	41.792	µg/m ³	V0
Lithium	0.000016	0.002569	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.124202	µg/m ³	V0
Magnesium	0.000279	0.330054	µg/m ³	V0
Aluminum	0.002800	1.957751	µg/m ³	V0
Silicon	0.010200	1.221279	µg/m ³	V0
Phosphorus	0.003480	0.060118	µg/m ³	V0
Potassium	0.000402	0.490812	µg/m ³	V0
Calcium	0.013042	1.101186	µg/m ³	V0
Titanium	0.000031	0.083088	µg/m ³	V0
Vanadium	0.000018	0.005323	µg/m ³	V0
Chromium	0.000045	0.002242	µg/m ³	V0
Manganese	0.000028	0.024398	µg/m ³	V0
Iron	0.001585	1.373893	µg/m ³	V0
Cobalt	0.000005	0.000542	µg/m ³	V0
Nickel	0.000015	0.001250	µg/m ³	V0
Copper	0.000027	0.073651	µg/m ³	V4
Zinc	0.000149	0.004958	µg/m ³	V0
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002536	µg/m ³	V0
Strontium	0.000012	0.005850	µg/m ³	V0
Niobium	0.000006	0.000347	µg/m ³	V0
Molybdenum	0.000025	0.001765	µg/m ³	V4
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000031	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000260	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.015567	µg/m ³	V0
Lanthanum	0.000004	0.000976	µg/m ³	V0
Cerium	0.000013	0.002279	µg/m ³	V0
Praseodymium	0.000002	0.000199	µg/m ³	V0
Neodymium	0.000005	0.001043	µg/m ³	V0
Samarium	0.000006	0.000117	µg/m ³	V0
Tantalum	0.000003	0.000524	µg/m ³	V0
Tungsten	0.000005	0.000154	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000585	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000285	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803665
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.7	°C	
Pressure		731.7	mmHg	
Particulate Matter	0.042	39.625	µg/m ³	V0
Lithium	0.000016	0.001609	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.109462	µg/m ³	V0
Magnesium	0.000279	0.298662	µg/m ³	V0
Aluminum	0.002800	1.469035	µg/m ³	V0
Silicon	0.010200	1.491682	µg/m ³	V0
Phosphorus	0.003480	0.081666	µg/m ³	V0
Potassium	0.000402	0.369933	µg/m ³	V0
Calcium	0.013042	1.996051	µg/m ³	V0
Titanium	0.000031	0.052998	µg/m ³	V0
Vanadium	0.000018	0.006390	µg/m ³	V0
Chromium	0.000045	0.002145	µg/m ³	V0
Manganese	0.000028	0.014814	µg/m ³	V0
Iron	0.001585	0.770982	µg/m ³	V0
Cobalt	0.000005	0.000301	µg/m ³	V0
Nickel	0.000015	0.001504	µg/m ³	V0
Copper	0.000027	0.001050	µg/m ³	V0
Zinc	0.000149	0.006322	µg/m ³	V0
Arsenic	0.000005	0.000091	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001769	µg/m ³	V0
Strontium	0.000012	0.005054	µg/m ³	V0
Niobium	0.000006	0.000321	µg/m ³	V0
Molybdenum	0.000025	0.000627	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000168	µg/m ³	V0
Antimony	0.000016	0.000095	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.010994	µg/m ³	V0
Lanthanum	0.000004	0.000649	µg/m ³	V0
Cerium	0.000013	0.001489	µg/m ³	V0
Praseodymium	0.000002	0.000101	µg/m ³	V0
Neodymium	0.000005	0.000649	µg/m ³	V0
Samarium	0.000006	0.000050	µg/m ³	V0
Tantalum	0.000003	0.001212	µg/m ³	V0
Tungsten	0.000005	0.000229	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000450	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000167	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220803671
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		740.8	mmHg	
Particulate Matter	0.042	48.833	µg/m ³	V0
Lithium	0.000016	0.003320	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.133978	µg/m ³	V0
Magnesium	0.000279	0.310974	µg/m ³	V0
Aluminum	0.002800	2.325519	µg/m ³	V0
Silicon	0.010200	1.776631	µg/m ³	V0
Phosphorus	0.003480	0.057670	µg/m ³	V0
Potassium	0.000402	0.623855	µg/m ³	V0
Calcium	0.013042	1.349501	µg/m ³	V0
Titanium	0.000031	0.092000	µg/m ³	V0
Vanadium	0.000018	0.005879	µg/m ³	V0
Chromium	0.000045	0.002446	µg/m ³	V0
Manganese	0.000028	0.027900	µg/m ³	V0
Iron	0.001585	1.363395	µg/m ³	V0
Cobalt	0.000005	0.000688	µg/m ³	V0
Nickel	0.000015	0.001309	µg/m ³	V0
Copper	0.000027	0.000884	µg/m ³	V0
Zinc	0.000149	0.006964	µg/m ³	V0
Arsenic	0.000005	0.000123	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.003043	µg/m ³	V0
Strontium	0.000012	0.006397	µg/m ³	V0
Niobium	0.000006	0.000360	µg/m ³	V0
Molybdenum	0.000025	0.000179	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000310	µg/m ³	V0
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	0.000043	µg/m ³	V0
Barium	0.000054	0.015725	µg/m ³	V0
Lanthanum	0.000004	0.001074	µg/m ³	V0
Cerium	0.000013	0.002505	µg/m ³	V0
Praseodymium	0.000002	0.000222	µg/m ³	V0
Neodymium	0.000005	0.001117	µg/m ³	V0
Samarium	0.000006	0.000135	µg/m ³	V0
Tantalum	0.000003	0.000579	µg/m ³	V0
Tungsten	0.000005	0.000185	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000663	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000312	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803688
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		739.4	mmHg	
Particulate Matter	0.042	57.792	µg/m ³	V0
Lithium	0.000016	0.004267	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.176343	µg/m ³	V0
Magnesium	0.000279	0.437043	µg/m ³	V0
Aluminum	0.002800	3.272738	µg/m ³	V0
Silicon	0.010200	0.907007	µg/m ³	V0
Phosphorus	0.003480	0.078880	µg/m ³	V0
Potassium	0.000402	0.673123	µg/m ³	V0
Calcium	0.013042	2.255915	µg/m ³	V0
Titanium	0.000031	0.098364	µg/m ³	V0
Vanadium	0.000018	0.007605	µg/m ³	V0
Chromium	0.000045	0.003406	µg/m ³	V0
Manganese	0.000028	0.039276	µg/m ³	V0
Iron	0.001585	1.927692	µg/m ³	V0
Cobalt	0.000005	0.000990	µg/m ³	V0
Nickel	0.000015	0.002020	µg/m ³	V0
Copper	0.000027	0.001644	µg/m ³	V0
Zinc	0.000149	0.009150	µg/m ³	V0
Arsenic	0.000005	0.000323	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.003849	µg/m ³	V0
Strontium	0.000012	0.008768	µg/m ³	V0
Niobium	0.000006	0.000470	µg/m ³	V0
Molybdenum	0.000025	0.000261	µg/m ³	V0
Palladium	0.000050	0.000102	µg/m ³	V0
Silver	0.000006	0.000024	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000222	µg/m ³	V0
Antimony	0.000016	0.000078	µg/m ³	V0
Cesium	0.000004	0.000172	µg/m ³	V0
Barium	0.000054	0.025819	µg/m ³	V0
Lanthanum	0.000004	0.001861	µg/m ³	V0
Cerium	0.000013	0.004243	µg/m ³	V0
Praseodymium	0.000002	0.000442	µg/m ³	V0
Neodymium	0.000005	0.001989	µg/m ³	V0
Samarium	0.000006	0.000291	µg/m ³	V0
Tantalum	0.000003	0.000972	µg/m ³	V0
Tungsten	0.000005	0.000323	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.001074	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000594	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220803616
Start Date:	2022-08-21 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-08-22 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.0	°C	
Pressure		743.3	mmHg	
Particulate Matter	0.042	16.000	µg/m ³	V0
Lithium	0.000016	0.000123	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013014	µg/m ³	V0
Magnesium	0.000279	0.016747	µg/m ³	V0
Aluminum	0.002800	0.053781	µg/m ³	V0
Silicon	0.010200	0.125103	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.093536	µg/m ³	V0
Calcium	0.013042	0.037263	µg/m ³	V0
Titanium	0.000031	0.003583	µg/m ³	V0
Vanadium	0.000018	0.000208	µg/m ³	V0
Chromium	0.000045	0.000649	µg/m ³	V0
Manganese	0.000028	0.000854	µg/m ³	V0
Iron	0.001585	0.024710	µg/m ³	V0
Cobalt	0.000005	0.000054	µg/m ³	V0
Nickel	0.000015	0.000209	µg/m ³	V0
Copper	0.000027	0.000288	µg/m ³	V0
Zinc	0.000149	0.004370	µg/m ³	V0
Arsenic	0.000005	0.000189	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000240	µg/m ³	V0
Strontium	0.000012	0.000266	µg/m ³	V0
Niobium	0.000006	0.000146	µg/m ³	V0
Molybdenum	0.000025	0.000064	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000035	µg/m ³	V0
Tin	0.000008	0.000161	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000052	µg/m ³	V0
Cerium	0.000013	0.000104	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000038	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000532	µg/m ³	V0
Tungsten	0.000005	0.000087	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000089	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220804157
Start Date:	2022-08-23 13:50	End Date:	2022-08-23 13:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001059	µg/m ³	V0
Magnesium	0.000279	0.003106	µg/m ³	V0
Aluminum	0.002800	0.008308	µg/m ³	V0
Silicon	0.010200	0.016730	µg/m ³	V0
Phosphorus	0.003480	0.076814	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.017806	µg/m ³	V0
Titanium	0.000031	0.000423	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000428	µg/m ³	V0
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	0.005218	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000082	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000369	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000046	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000117	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000566	µg/m ³	V0
Tungsten	0.000005	0.000039	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803850
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.1	°C	
Pressure		702.7	mmHg	
Particulate Matter	0.042	45.500	µg/m ³	V0
Lithium	0.000016	0.000986	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.096287	µg/m ³	V0
Magnesium	0.000279	0.180536	µg/m ³	V0
Aluminum	0.002800	0.969964	µg/m ³	V0
Silicon	0.010200	1.503030	µg/m ³	V0
Phosphorus	0.003480	0.066789	µg/m ³	V0
Potassium	0.000402	0.333052	µg/m ³	V0
Calcium	0.013042	0.785926	µg/m ³	V0
Titanium	0.000031	0.038377	µg/m ³	V0
Vanadium	0.000018	0.004256	µg/m ³	V0
Chromium	0.000045	0.001258	µg/m ³	V0
Manganese	0.000028	0.010754	µg/m ³	V0
Iron	0.001585	0.537087	µg/m ³	V0
Cobalt	0.000005	0.000135	µg/m ³	V0
Nickel	0.000015	0.000984	µg/m ³	V0
Copper	0.000027	0.000805	µg/m ³	V0
Zinc	0.000149	0.006805	µg/m ³	V0
Arsenic	0.000005	0.000129	µg/m ³	V0
Selenium	0.000133	0.000153	µg/m ³	V0
Rubidium	0.000003	0.001482	µg/m ³	V0
Strontium	0.000012	0.003124	µg/m ³	V0
Niobium	0.000006	0.000256	µg/m ³	V0
Molybdenum	0.000025	0.000196	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000197	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.008440	µg/m ³	V0
Lanthanum	0.000004	0.000414	µg/m ³	V0
Cerium	0.000013	0.000955	µg/m ³	V0
Praseodymium	0.000002	0.000040	µg/m ³	V0
Neodymium	0.000005	0.000414	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000880	µg/m ³	V0
Tungsten	0.000005	0.000127	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000401	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000206	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220803950
Start Date:	2022-08-27 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-08-28 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		725.7	mmHg	
Particulate Matter	0.042	54.833	µg/m ³	V0
Lithium	0.000016	0.002019	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.192420	µg/m ³	V0
Magnesium	0.000279	0.359356	µg/m ³	V0
Aluminum	0.002800	2.112922	µg/m ³	V0
Silicon	0.010200	1.474930	µg/m ³	V0
Phosphorus	0.003480	0.096866	µg/m ³	V0
Potassium	0.000402	0.553259	µg/m ³	V0
Calcium	0.013042	1.895695	µg/m ³	V0
Titanium	0.000031	0.072533	µg/m ³	V0
Vanadium	0.000018	0.008756	µg/m ³	V0
Chromium	0.000045	0.002580	µg/m ³	V0
Manganese	0.000028	0.017426	µg/m ³	V0
Iron	0.001585	0.940213	µg/m ³	V0
Cobalt	0.000005	0.000539	µg/m ³	V0
Nickel	0.000015	0.002054	µg/m ³	V0
Copper	0.000027	0.001649	µg/m ³	V0
Zinc	0.000149	0.010988	µg/m ³	V0
Arsenic	0.000005	0.000195	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002506	µg/m ³	V0
Strontium	0.000012	0.005923	µg/m ³	V0
Niobium	0.000006	0.000240	µg/m ³	V0
Molybdenum	0.000025	0.000394	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000300	µg/m ³	V0
Antimony	0.000016	0.000139	µg/m ³	V0
Cesium	0.000004	0.000030	µg/m ³	V0
Barium	0.000054	0.016169	µg/m ³	V0
Lanthanum	0.000004	0.000836	µg/m ³	V0
Cerium	0.000013	0.001862	µg/m ³	V0
Praseodymium	0.000002	0.000157	µg/m ³	V0
Neodymium	0.000005	0.000879	µg/m ³	V0
Samarium	0.000006	0.000090	µg/m ³	V0
Tantalum	0.000003	0.000537	µg/m ³	V0
Tungsten	0.000005	0.000139	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000753	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000247	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803961
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

Some water found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		714.3	mmHg	
Particulate Matter	0.042	30.708	µg/m ³	V0
Lithium	0.000016	0.001483	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.141948	µg/m ³	V0
Magnesium	0.000279	0.248160	µg/m ³	V0
Aluminum	0.002800	1.713231	µg/m ³	V0
Silicon	0.010200	1.622079	µg/m ³	V0
Phosphorus	0.003480	0.096461	µg/m ³	V0
Potassium	0.000402	0.382774	µg/m ³	V0
Calcium	0.013042	0.594727	µg/m ³	V0
Titanium	0.000031	0.057926	µg/m ³	V0
Vanadium	0.000018	0.008943	µg/m ³	V0
Chromium	0.000045	0.002469	µg/m ³	V0
Manganese	0.000028	0.016248	µg/m ³	V0
Iron	0.001585	0.766563	µg/m ³	V0
Cobalt	0.000005	0.000382	µg/m ³	V0
Nickel	0.000015	0.003575	µg/m ³	V0
Copper	0.000027	0.006430	µg/m ³	V0
Zinc	0.000149	0.010532	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001771	µg/m ³	V0
Strontium	0.000012	0.003081	µg/m ³	V0
Niobium	0.000006	0.000211	µg/m ³	V0
Molybdenum	0.000025	0.000279	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000024	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000314	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.013719	µg/m ³	V0
Lanthanum	0.000004	0.000622	µg/m ³	V0
Cerium	0.000013	0.001395	µg/m ³	V0
Praseodymium	0.000002	0.000098	µg/m ³	V0
Neodymium	0.000005	0.000644	µg/m ³	V0
Samarium	0.000006	0.000049	µg/m ³	V0
Tantalum	0.000003	0.000525	µg/m ³	V0
Tungsten	0.000005	0.000201	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000700	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000176	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220804151
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.3	°C	
Pressure		697.8	mmHg	
Particulate Matter	0.042	26.750	µg/m ³	V0
Lithium	0.000016	0.000237	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.060625	µg/m ³	V0
Magnesium	0.000279	0.163840	µg/m ³	V0
Aluminum	0.002800	0.434729	µg/m ³	V0
Silicon	0.010200	0.754442	µg/m ³	V0
Phosphorus	0.003480	0.066602	µg/m ³	V0
Potassium	0.000402	0.182605	µg/m ³	V0
Calcium	0.013042	0.587930	µg/m ³	V0
Titanium	0.000031	0.017961	µg/m ³	V0
Vanadium	0.000018	0.001016	µg/m ³	V0
Chromium	0.000045	0.001085	µg/m ³	V0
Manganese	0.000028	0.010969	µg/m ³	V0
Iron	0.001585	0.488976	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000553	µg/m ³	V0
Copper	0.000027	0.001258	µg/m ³	V0
Zinc	0.000149	0.006834	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000596	µg/m ³	V0
Strontium	0.000012	0.001717	µg/m ³	V0
Niobium	0.000006	0.000200	µg/m ³	V0
Molybdenum	0.000025	0.000084	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000189	µg/m ³	V0
Antimony	0.000016	0.000062	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.005545	µg/m ³	V0
Lanthanum	0.000004	0.000208	µg/m ³	V0
Cerium	0.000013	0.000494	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000180	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001217	µg/m ³	V0
Tungsten	0.000005	0.000387	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000214	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804161
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.7	°C	
Pressure		704.7	mmHg	
Particulate Matter	0.042	33.083	µg/m ³	V0
Lithium	0.000016	0.000143	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.053622	µg/m ³	V0
Magnesium	0.000279	0.134314	µg/m ³	V0
Aluminum	0.002800	0.347475	µg/m ³	V0
Silicon	0.010200	0.785537	µg/m ³	V0
Phosphorus	0.003480	0.104474	µg/m ³	V0
Potassium	0.000402	0.196255	µg/m ³	V0
Calcium	0.013042	0.323454	µg/m ³	V0
Titanium	0.000031	0.012278	µg/m ³	V0
Vanadium	0.000018	0.000650	µg/m ³	V0
Chromium	0.000045	0.001185	µg/m ³	V0
Manganese	0.000028	0.006279	µg/m ³	V0
Iron	0.001585	0.207393	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000680	µg/m ³	V0
Copper	0.000027	0.000714	µg/m ³	V0
Zinc	0.000149	0.005436	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	0.000184	µg/m ³	V0
Rubidium	0.000003	0.000552	µg/m ³	V0
Strontium	0.000012	0.001046	µg/m ³	V0
Niobium	0.000006	0.000088	µg/m ³	V0
Molybdenum	0.000025	0.000060	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000305	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.003707	µg/m ³	V0
Lanthanum	0.000004	0.000100	µg/m ³	V0
Cerium	0.000013	0.000279	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000092	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000606	µg/m ³	V0
Tungsten	0.000005	0.000073	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000172	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220804196
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		720.4	mmHg	
Particulate Matter	0.042	21.833	µg/m ³	V0
Lithium	0.000016	0.000016	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032781	µg/m ³	V0
Magnesium	0.000279	0.084785	µg/m ³	V0
Aluminum	0.002800	0.161305	µg/m ³	V0
Silicon	0.010200	0.157927	µg/m ³	V0
Phosphorus	0.003480	0.047957	µg/m ³	V0
Potassium	0.000402	0.114970	µg/m ³	V0
Calcium	0.013042	0.312631	µg/m ³	V0
Titanium	0.000031	0.007541	µg/m ³	V0
Vanadium	0.000018	0.000242	µg/m ³	V0
Chromium	0.000045	0.000858	µg/m ³	V0
Manganese	0.000028	0.004878	µg/m ³	V0
Iron	0.001585	0.247966	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000251	µg/m ³	V0
Copper	0.000027	0.000305	µg/m ³	V0
Zinc	0.000149	0.003607	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000268	µg/m ³	V0
Strontium	0.000012	0.000825	µg/m ³	V0
Niobium	0.000006	0.000067	µg/m ³	V0
Molybdenum	0.000025	0.000053	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000173	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002037	µg/m ³	V0
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000129	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000304	µg/m ³	V0
Tungsten	0.000005	0.000072	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000042	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00
		Set Index:	1
		WBEA ID:	220804227
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.3	°C	
Pressure		721.8	mmHg	
Particulate Matter	0.042	24.167	µg/m ³	V0
Lithium	0.000016	0.000330	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.039733	µg/m ³	V0
Magnesium	0.000279	0.077302	µg/m ³	V0
Aluminum	0.002800	0.359206	µg/m ³	V0
Silicon	0.010200	0.270778	µg/m ³	V0
Phosphorus	0.003480	0.052964	µg/m ³	V0
Potassium	0.000402	0.164458	µg/m ³	V0
Calcium	0.013042	0.172823	µg/m ³	V0
Titanium	0.000031	0.015481	µg/m ³	V0
Vanadium	0.000018	0.000699	µg/m ³	V0
Chromium	0.000045	0.000950	µg/m ³	V0
Manganese	0.000028	0.004988	µg/m ³	V0
Iron	0.001585	0.201503	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000444	µg/m ³	V0
Copper	0.000027	0.000884	µg/m ³	V0
Zinc	0.000149	0.005530	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000517	µg/m ³	V0
Strontium	0.000012	0.000910	µg/m ³	V0
Niobium	0.000006	0.000089	µg/m ³	V0
Molybdenum	0.000025	0.000087	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000277	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002690	µg/m ³	V0
Lanthanum	0.000004	0.000104	µg/m ³	V0
Cerium	0.000013	0.000308	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000098	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000361	µg/m ³	V0
Tungsten	0.000005	0.000093	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000073	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort McKay South	Samp Use: Exposure	WBEA ID: 220804239
Start Date:	2022-08-27 00:00	Loc ID: FMCS	Duration: 24.0 hr
		End Date: 2022-08-28 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.9	°C	
Pressure		723.1	mmHg	
Particulate Matter	0.042	25.292	µg/m ³	V0
Lithium	0.000016	0.000314	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.042706	µg/m ³	V0
Magnesium	0.000279	0.075240	µg/m ³	V0
Aluminum	0.002800	0.346115	µg/m ³	V0
Silicon	0.010200	0.554468	µg/m ³	V0
Phosphorus	0.003480	0.068377	µg/m ³	V0
Potassium	0.000402	0.177118	µg/m ³	V0
Calcium	0.013042	0.141256	µg/m ³	V0
Titanium	0.000031	0.013427	µg/m ³	V0
Vanadium	0.000018	0.000667	µg/m ³	V0
Chromium	0.000045	0.000783	µg/m ³	V0
Manganese	0.000028	0.004634	µg/m ³	V0
Iron	0.001585	0.196952	µg/m ³	V0
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	0.000288	µg/m ³	V0
Copper	0.000027	0.000364	µg/m ³	V0
Zinc	0.000149	0.004481	µg/m ³	V0
Arsenic	0.000005	0.000012	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000526	µg/m ³	V0
Strontium	0.000012	0.000837	µg/m ³	V0
Niobium	0.000006	0.000101	µg/m ³	V0
Molybdenum	0.000025	0.000627	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000174	µg/m ³	V0
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.002744	µg/m ³	V0
Lanthanum	0.000004	0.000097	µg/m ³	V0
Cerium	0.000013	0.000293	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000092	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000467	µg/m ³	V0
Tungsten	0.000005	0.000086	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000068	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220804242
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.3	°C	
Pressure		720.3	mmHg	
Particulate Matter	0.042	20.250	µg/m ³	V0
Lithium	0.000016	0.000073	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.017142	µg/m ³	V0
Magnesium	0.000279	0.038600	µg/m ³	V0
Aluminum	0.002800	0.123551	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.053322	µg/m ³	V0
Potassium	0.000402	0.093713	µg/m ³	V0
Calcium	0.013042	0.078658	µg/m ³	V0
Titanium	0.000031	0.007820	µg/m ³	V0
Vanadium	0.000018	0.000075	µg/m ³	V0
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000214	µg/m ³	V0
Strontium	0.000012	0.000345	µg/m ³	V0
Niobium	0.000006	0.000171	µg/m ³	V0
Molybdenum	0.000025	0.000161	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000250	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001117	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	0.000070	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000023	µg/m ³	V0
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220904313
Start Date:	2022-09-01 11:20	End Date:	2022-09-01 11:21	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000119	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.000547	µg/m ³	V0
Aluminum	0.002800	0.003233	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.027371	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000161	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000318	µg/m ³	V0
Manganese	0.000028	0.000069	µg/m ³	V0
Iron	0.001585	0.002833	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000095	µg/m ³	V0
Copper	0.000027	0.000148	µg/m ³	V0
Zinc	0.000149	0.000557	µg/m ³	V0
Arsenic	0.000005	0.000029	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000022	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000161	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000168	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000643	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220804250
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		735.0	mmHg	
Particulate Matter	0.042	11.833	µg/m ³	V0
Lithium	0.000016	0.000506	µg/m ³	V0
Beryllium	0.000013	0.000034	µg/m ³	V0
Sodium	0.000777	0.034768	µg/m ³	V0
Magnesium	0.000279	0.061418	µg/m ³	V0
Aluminum	0.002800	0.244771	µg/m ³	V0
Silicon	0.010200	0.551442	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.145156	µg/m ³	V0
Calcium	0.013042	0.150349	µg/m ³	V0
Titanium	0.000031	0.012341	µg/m ³	V0
Vanadium	0.000018	0.001055	µg/m ³	V0
Chromium	0.000045	0.001153	µg/m ³	V0
Manganese	0.000028	0.004149	µg/m ³	V0
Iron	0.001585	0.154237	µg/m ³	V0
Cobalt	0.000005	0.000174	µg/m ³	V0
Nickel	0.000015	0.000490	µg/m ³	V0
Copper	0.000027	0.000538	µg/m ³	V0
Zinc	0.000149	0.003686	µg/m ³	V0
Arsenic	0.000005	0.000808	µg/m ³	V0
Selenium	0.000133	0.000369	µg/m ³	V0
Rubidium	0.000003	0.000557	µg/m ³	V0
Strontium	0.000012	0.000962	µg/m ³	V0
Niobium	0.000006	0.000182	µg/m ³	V0
Molybdenum	0.000025	0.000079	µg/m ³	V0
Palladium	0.000050	0.000341	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000150	µg/m ³	V0
Tin	0.000008	0.000176	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000058	µg/m ³	V0
Barium	0.000054	0.002514	µg/m ³	V0
Lanthanum	0.000004	0.000205	µg/m ³	V0
Cerium	0.000013	0.000397	µg/m ³	V0
Praseodymium	0.000002	0.000062	µg/m ³	V0
Neodymium	0.000005	0.000183	µg/m ³	V0
Samarium	0.000006	0.000045	µg/m ³	V0
Tantalum	0.000003	0.000753	µg/m ³	V0
Tungsten	0.000005	0.000161	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000519	µg/m ³	V4
Lead	0.000018	0.000182	µg/m ³	V0
Bismuth	0.000004	0.000113	µg/m ³	V0
Thorium	0.000002	0.000507	µg/m ³	V0
Uranium	0.000003	0.000033	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Conklin	Samp Use: Exposure	WBEA ID: 220804260
Start Date:	2022-09-02 00:00	Loc ID: CONK	Duration: 24.0 hr
		End Date: 2022-09-03 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.9	°C	
Pressure		709.6	mmHg	
Particulate Matter	0.042	36.875	µg/m ³	V0
Lithium	0.000016	0.001381	µg/m ³	V0
Beryllium	0.000013	0.000055	µg/m ³	V0
Sodium	0.000777	0.286448	µg/m ³	V0
Magnesium	0.000279	0.557657	µg/m ³	V0
Aluminum	0.002800	1.215434	µg/m ³	V0
Silicon	0.010200	1.456992	µg/m ³	V0
Phosphorus	0.003480	0.017121	µg/m ³	V0
Potassium	0.000402	0.428244	µg/m ³	V0
Calcium	0.013042	1.805971	µg/m ³	V0
Titanium	0.000031	0.058548	µg/m ³	V0
Vanadium	0.000018	0.004142	µg/m ³	V0
Chromium	0.000045	0.001690	µg/m ³	V0
Manganese	0.000028	0.027620	µg/m ³	V0
Iron	0.001585	1.114718	µg/m ³	V0
Cobalt	0.000005	0.000693	µg/m ³	V0
Nickel	0.000015	0.001085	µg/m ³	V0
Copper	0.000027	0.001095	µg/m ³	V0
Zinc	0.000149	0.006572	µg/m ³	V0
Arsenic	0.000005	0.000670	µg/m ³	V0
Selenium	0.000133	0.000267	µg/m ³	V0
Rubidium	0.000003	0.002201	µg/m ³	V0
Strontium	0.000012	0.006558	µg/m ³	V0
Niobium	0.000006	0.000310	µg/m ³	V0
Molybdenum	0.000025	0.000177	µg/m ³	V0
Palladium	0.000050	0.000222	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000071	µg/m ³	V0
Tin	0.000008	0.000326	µg/m ³	V0
Antimony	0.000016	0.000189	µg/m ³	V0
Cesium	0.000004	0.000087	µg/m ³	V0
Barium	0.000054	0.017426	µg/m ³	V0
Lanthanum	0.000004	0.001039	µg/m ³	V0
Cerium	0.000013	0.002130	µg/m ³	V0
Praseodymium	0.000002	0.000249	µg/m ³	V0
Neodymium	0.000005	0.000935	µg/m ³	V0
Samarium	0.000006	0.000169	µg/m ³	V0
Tantalum	0.000003	0.000722	µg/m ³	V0
Tungsten	0.000005	0.000525	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000278	µg/m ³	V0
Lead	0.000018	0.001214	µg/m ³	V0
Bismuth	0.000004	0.000072	µg/m ³	V0
Thorium	0.000002	0.000413	µg/m ³	V0
Uranium	0.000003	0.000079	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804270
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		716.9	mmHg	
Particulate Matter	0.042	11.208	µg/m ³	V0
Lithium	0.000016	0.000189	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.024932	µg/m ³	V0
Magnesium	0.000279	0.046600	µg/m ³	V0
Aluminum	0.002800	0.114384	µg/m ³	V0
Silicon	0.010200	0.800812	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.080019	µg/m ³	V0
Calcium	0.013042	0.150071	µg/m ³	V0
Titanium	0.000031	0.005396	µg/m ³	V0
Vanadium	0.000018	0.000401	µg/m ³	V0
Chromium	0.000045	0.000746	µg/m ³	V0
Manganese	0.000028	0.002483	µg/m ³	V0
Iron	0.001585	0.078641	µg/m ³	V0
Cobalt	0.000005	0.000072	µg/m ³	V0
Nickel	0.000015	0.000184	µg/m ³	V0
Copper	0.000027	0.000320	µg/m ³	V0
Zinc	0.000149	0.001203	µg/m ³	V0
Arsenic	0.000005	0.000076	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000243	µg/m ³	V0
Strontium	0.000012	0.000556	µg/m ³	V0
Niobium	0.000006	0.000167	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.000178	µg/m ³	V0
Antimony	0.000016	0.000096	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000961	µg/m ³	V0
Lanthanum	0.000004	0.000107	µg/m ³	V0
Cerium	0.000013	0.000156	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000074	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.000637	µg/m ³	V0
Tungsten	0.000005	0.000089	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000196	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000027	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220804273
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.2	°C	
Pressure		714.1	mmHg	
Particulate Matter	0.042	9.375	µg/m ³	V0
Lithium	0.000016	0.000215	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.028625	µg/m ³	V0
Magnesium	0.000279	0.050792	µg/m ³	V0
Aluminum	0.002800	0.129197	µg/m ³	V0
Silicon	0.010200	0.368548	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.097122	µg/m ³	V0
Calcium	0.013042	0.163083	µg/m ³	V0
Titanium	0.000031	0.007036	µg/m ³	V0
Vanadium	0.000018	0.000617	µg/m ³	V0
Chromium	0.000045	0.000936	µg/m ³	V0
Manganese	0.000028	0.003678	µg/m ³	V0
Iron	0.001585	0.143983	µg/m ³	V0
Cobalt	0.000005	0.000091	µg/m ³	V0
Nickel	0.000015	0.000345	µg/m ³	V0
Copper	0.000027	0.000274	µg/m ³	V0
Zinc	0.000149	0.002028	µg/m ³	V0
Arsenic	0.000005	0.000172	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000268	µg/m ³	V0
Strontium	0.000012	0.000646	µg/m ³	V0
Niobium	0.000006	0.000115	µg/m ³	V0
Molybdenum	0.000025	0.000112	µg/m ³	V0
Palladium	0.000050	0.000093	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000089	µg/m ³	V0
Tin	0.000008	0.000188	µg/m ³	V0
Antimony	0.000016	0.000065	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.001722	µg/m ³	V0
Lanthanum	0.000004	0.000129	µg/m ³	V0
Cerium	0.000013	0.000179	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000083	µg/m ³	V0
Samarium	0.000006	0.000019	µg/m ³	V0
Tantalum	0.000003	0.000471	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000059	µg/m ³	V0
Lead	0.000018	0.000155	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000036	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220804283
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.0	°C	
Pressure		736.8	mmHg	
Particulate Matter	0.042	15.833	µg/m ³	V0
Lithium	0.000016	0.000452	µg/m ³	V0
Beryllium	0.000013	0.000016	µg/m ³	V0
Sodium	0.000777	0.061346	µg/m ³	V0
Magnesium	0.000279	0.128143	µg/m ³	V0
Aluminum	0.002800	0.287880	µg/m ³	V0
Silicon	0.010200	0.743069	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.154898	µg/m ³	V0
Calcium	0.013042	0.370922	µg/m ³	V0
Titanium	0.000031	0.015646	µg/m ³	V0
Vanadium	0.000018	0.001042	µg/m ³	V0
Chromium	0.000045	0.001543	µg/m ³	V0
Manganese	0.000028	0.005630	µg/m ³	V0
Iron	0.001585	0.315015	µg/m ³	V0
Cobalt	0.000005	0.000210	µg/m ³	V0
Nickel	0.000015	0.000772	µg/m ³	V0
Copper	0.000027	0.003502	µg/m ³	V0
Zinc	0.000149	0.013407	µg/m ³	V0
Arsenic	0.000005	0.002544	µg/m ³	V4
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000551	µg/m ³	V0
Strontium	0.000012	0.001599	µg/m ³	V0
Niobium	0.000006	0.000164	µg/m ³	V0
Molybdenum	0.000025	0.000216	µg/m ³	V0
Palladium	0.000050	0.000115	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000089	µg/m ³	V0
Tin	0.000008	0.000890	µg/m ³	V0
Antimony	0.000016	0.000939	µg/m ³	V0
Cesium	0.000004	0.000027	µg/m ³	V0
Barium	0.000054	0.010519	µg/m ³	V0
Lanthanum	0.000004	0.000198	µg/m ³	V0
Cerium	0.000013	0.000412	µg/m ³	V0
Praseodymium	0.000002	0.000046	µg/m ³	V0
Neodymium	0.000005	0.000179	µg/m ³	V0
Samarium	0.000006	0.000036	µg/m ³	V0
Tantalum	0.000003	0.000462	µg/m ³	V0
Tungsten	0.000005	0.000211	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000032	µg/m ³	V0
Lead	0.000018	0.000429	µg/m ³	V0
Bismuth	0.000004	0.000050	µg/m ³	V0
Thorium	0.000002	0.000067	µg/m ³	V0
Uranium	0.000003	0.000016	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220804290
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		730.4	mmHg	
Particulate Matter	0.042	32.375	µg/m ³	V0
Lithium	0.000016	0.001711	µg/m ³	V0
Beryllium	0.000013	0.000077	µg/m ³	V0
Sodium	0.000777	0.136353	µg/m ³	V0
Magnesium	0.000279	0.383969	µg/m ³	V0
Aluminum	0.002800	1.359933	µg/m ³	V0
Silicon	0.010200	1.492803	µg/m ³	V0
Phosphorus	0.003480	0.011295	µg/m ³	V0
Potassium	0.000402	0.376463	µg/m ³	V0
Calcium	0.013042	1.872231	µg/m ³	V0
Titanium	0.000031	0.055862	µg/m ³	V0
Vanadium	0.000018	0.005034	µg/m ³	V0
Chromium	0.000045	0.001500	µg/m ³	V0
Manganese	0.000028	0.020883	µg/m ³	V0
Iron	0.001585	1.261685	µg/m ³	V0
Cobalt	0.000005	0.000766	µg/m ³	V0
Nickel	0.000015	0.000959	µg/m ³	V0
Copper	0.000027	0.000650	µg/m ³	V0
Zinc	0.000149	0.004605	µg/m ³	V0
Arsenic	0.000005	0.000467	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002023	µg/m ³	V0
Strontium	0.000012	0.006716	µg/m ³	V0
Niobium	0.000006	0.000284	µg/m ³	V0
Molybdenum	0.000025	0.000188	µg/m ³	V0
Palladium	0.000050	0.000125	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000035	µg/m ³	V0
Tin	0.000008	0.000214	µg/m ³	V0
Antimony	0.000016	0.000058	µg/m ³	V0
Cesium	0.000004	0.000116	µg/m ³	V0
Barium	0.000054	0.014551	µg/m ³	V0
Lanthanum	0.000004	0.000777	µg/m ³	V0
Cerium	0.000013	0.001655	µg/m ³	V0
Praseodymium	0.000002	0.000201	µg/m ³	V0
Neodymium	0.000005	0.000773	µg/m ³	V0
Samarium	0.000006	0.000152	µg/m ³	V0
Tantalum	0.000003	0.000463	µg/m ³	V0
Tungsten	0.000005	0.000283	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000085	µg/m ³	V0
Lead	0.000018	0.000615	µg/m ³	V0
Bismuth	0.000004	0.000033	µg/m ³	V0
Thorium	0.000002	0.000298	µg/m ³	V0
Uranium	0.000003	0.000081	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904295
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.2	°C	
Pressure		725.1	mmHg	
Particulate Matter	0.042	11.792	µg/m ³	V0
Lithium	0.000016	0.000282	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.058501	µg/m ³	V0
Magnesium	0.000279	0.087736	µg/m ³	V0
Aluminum	0.002800	0.191130	µg/m ³	V0
Silicon	0.010200	0.831786	µg/m ³	V0
Phosphorus	0.003480	0.005304	µg/m ³	V0
Potassium	0.000402	0.127398	µg/m ³	V0
Calcium	0.013042	0.241894	µg/m ³	V0
Titanium	0.000031	0.009784	µg/m ³	V0
Vanadium	0.000018	0.000678	µg/m ³	V0
Chromium	0.000045	0.000764	µg/m ³	V0
Manganese	0.000028	0.003254	µg/m ³	V0
Iron	0.001585	0.136481	µg/m ³	V0
Cobalt	0.000005	0.000125	µg/m ³	V0
Nickel	0.000015	0.000249	µg/m ³	V0
Copper	0.000027	0.000953	µg/m ³	V0
Zinc	0.000149	0.007233	µg/m ³	V0
Arsenic	0.000005	0.000151	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000352	µg/m ³	V0
Strontium	0.000012	0.001170	µg/m ³	V0
Niobium	0.000006	0.000173	µg/m ³	V0
Molybdenum	0.000025	0.000089	µg/m ³	V0
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000061	µg/m ³	V0
Tin	0.000008	0.000398	µg/m ³	V0
Antimony	0.000016	0.000281	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.004043	µg/m ³	V0
Lanthanum	0.000004	0.000146	µg/m ³	V0
Cerium	0.000013	0.000276	µg/m ³	V0
Praseodymium	0.000002	0.000028	µg/m ³	V0
Neodymium	0.000005	0.000111	µg/m ³	V0
Samarium	0.000006	0.000021	µg/m ³	V0
Tantalum	0.000003	0.000539	µg/m ³	V0
Tungsten	0.000005	0.000127	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000205	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000043	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904318	
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.2	°C	
Pressure		732.0	mmHg	
Particulate Matter	0.042	29.250	µg/m ³	V0
Lithium	0.000016	0.001736	µg/m ³	V0
Beryllium	0.000013	0.000056	µg/m ³	V0
Sodium	0.000777	0.140925	µg/m ³	V0
Magnesium	0.000279	0.277499	µg/m ³	V0
Aluminum	0.002800	1.329634	µg/m ³	V0
Silicon	0.010200	2.156997	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.389756	µg/m ³	V0
Calcium	0.013042	1.027439	µg/m ³	V0
Titanium	0.000031	0.056200	µg/m ³	V0
Vanadium	0.000018	0.006177	µg/m ³	V0
Chromium	0.000045	0.002186	µg/m ³	V0
Manganese	0.000028	0.013070	µg/m ³	V0
Iron	0.001585	0.872617	µg/m ³	V0
Cobalt	0.000005	0.000653	µg/m ³	V0
Nickel	0.000015	0.001115	µg/m ³	V0
Copper	0.000027	0.001327	µg/m ³	V0
Zinc	0.000149	0.006021	µg/m ³	V0
Arsenic	0.000005	0.000471	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002190	µg/m ³	V0
Strontium	0.000012	0.005447	µg/m ³	V0
Niobium	0.000006	0.000315	µg/m ³	V0
Molybdenum	0.000025	0.000235	µg/m ³	V0
Palladium	0.000050	0.000091	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000039	µg/m ³	V0
Tin	0.000008	0.000679	µg/m ³	V0
Antimony	0.000016	0.000157	µg/m ³	V0
Cesium	0.000004	0.000130	µg/m ³	V0
Barium	0.000054	0.013624	µg/m ³	V0
Lanthanum	0.000004	0.000698	µg/m ³	V0
Cerium	0.000013	0.001495	µg/m ³	V0
Praseodymium	0.000002	0.000181	µg/m ³	V0
Neodymium	0.000005	0.000723	µg/m ³	V0
Samarium	0.000006	0.000133	µg/m ³	V0
Tantalum	0.000003	0.000622	µg/m ³	V0
Tungsten	0.000005	0.000157	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000030	µg/m ³	V0
Lead	0.000018	0.000618	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000247	µg/m ³	V0
Uranium	0.000003	0.000065	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904328
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	16.125	µg/m ³	V0
Lithium	0.000016	0.001144	µg/m ³	V0
Beryllium	0.000013	0.000035	µg/m ³	V0
Sodium	0.000777	0.093107	µg/m ³	V0
Magnesium	0.000279	0.169751	µg/m ³	V0
Aluminum	0.002800	0.898278	µg/m ³	V0
Silicon	0.010200	1.239972	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.265377	µg/m ³	V0
Calcium	0.013042	0.338961	µg/m ³	V0
Titanium	0.000031	0.035207	µg/m ³	V0
Vanadium	0.000018	0.002894	µg/m ³	V0
Chromium	0.000045	0.001217	µg/m ³	V0
Manganese	0.000028	0.005236	µg/m ³	V0
Iron	0.001585	0.365859	µg/m ³	V0
Cobalt	0.000005	0.000347	µg/m ³	V0
Nickel	0.000015	0.000454	µg/m ³	V0
Copper	0.000027	0.004078	µg/m ³	V0
Zinc	0.000149	0.002949	µg/m ³	V0
Arsenic	0.000005	0.000238	µg/m ³	V0
Selenium	0.000133	0.000140	µg/m ³	V0
Rubidium	0.000003	0.001213	µg/m ³	V0
Strontium	0.000012	0.002818	µg/m ³	V0
Niobium	0.000006	0.000177	µg/m ³	V0
Molybdenum	0.000025	0.000168	µg/m ³	V0
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000026	µg/m ³	V0
Tin	0.000008	0.000149	µg/m ³	V0
Antimony	0.000016	0.000024	µg/m ³	V0
Cesium	0.000004	0.000083	µg/m ³	V0
Barium	0.000054	0.007202	µg/m ³	V0
Lanthanum	0.000004	0.000370	µg/m ³	V0
Cerium	0.000013	0.000805	µg/m ³	V0
Praseodymium	0.000002	0.000099	µg/m ³	V0
Neodymium	0.000005	0.000390	µg/m ³	V0
Samarium	0.000006	0.000078	µg/m ³	V0
Tantalum	0.000003	0.000336	µg/m ³	V0
Tungsten	0.000005	0.000085	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000354	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000152	µg/m ³	V0
Uranium	0.000003	0.000040	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort McKay South	Samp Use: Exposure	WBEA ID: 220904332
Start Date:	2022-09-02 00:00	Loc ID: FMCS	Duration: 24.0 hr
		End Date: 2022-09-03 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		733.3	mmHg	
Particulate Matter	0.042	21.208	µg/m ³	V0
Lithium	0.000016	0.001390	µg/m ³	V0
Beryllium	0.000013	0.000042	µg/m ³	V0
Sodium	0.000777	0.112759	µg/m ³	V0
Magnesium	0.000279	0.208263	µg/m ³	V0
Aluminum	0.002800	1.111189	µg/m ³	V0
Silicon	0.010200	1.267306	µg/m ³	V0
Phosphorus	0.003480	0.008856	µg/m ³	V0
Potassium	0.000402	0.314662	µg/m ³	V0
Calcium	0.013042	0.475572	µg/m ³	V0
Titanium	0.000031	0.042249	µg/m ³	V0
Vanadium	0.000018	0.003712	µg/m ³	V0
Chromium	0.000045	0.001184	µg/m ³	V0
Manganese	0.000028	0.007117	µg/m ³	V0
Iron	0.001585	0.509401	µg/m ³	V0
Cobalt	0.000005	0.000466	µg/m ³	V0
Nickel	0.000015	0.000606	µg/m ³	V0
Copper	0.000027	0.001706	µg/m ³	V0
Zinc	0.000149	0.004917	µg/m ³	V0
Arsenic	0.000005	0.000276	µg/m ³	V0
Selenium	0.000133	0.000192	µg/m ³	V0
Rubidium	0.000003	0.001604	µg/m ³	V0
Strontium	0.000012	0.003634	µg/m ³	V0
Niobium	0.000006	0.000195	µg/m ³	V0
Molybdenum	0.000025	0.000102	µg/m ³	V0
Palladium	0.000050	0.000078	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000217	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	0.000103	µg/m ³	V0
Barium	0.000054	0.008821	µg/m ³	V0
Lanthanum	0.000004	0.000485	µg/m ³	V0
Cerium	0.000013	0.001001	µg/m ³	V0
Praseodymium	0.000002	0.000126	µg/m ³	V0
Neodymium	0.000005	0.000502	µg/m ³	V0
Samarium	0.000006	0.000098	µg/m ³	V0
Tantalum	0.000003	0.000320	µg/m ³	V0
Tungsten	0.000005	0.000089	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000035	µg/m ³	V0
Lead	0.000018	0.000495	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000185	µg/m ³	V0
Uranium	0.000003	0.000050	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904384
Start Date:	2022-09-07 07:28	End Date:	2022-09-07 07:29	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Lithium	0.000016	0.000104	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.000561	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.033280	µg/m ³	V0
Calcium	0.013042	0.014360	µg/m ³	V0
Titanium	0.000031	0.000942	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000604	µg/m ³	V0
Manganese	0.000028	0.000029	µg/m ³	V0
Iron	0.001585	0.003844	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000216	µg/m ³	V0
Copper	0.000027	0.000072	µg/m ³	V0
Zinc	0.000149	0.002119	µg/m ³	V0
Arsenic	0.000005	0.000064	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000008	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000203	µg/m ³	V0
Molybdenum	0.000025	0.000120	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000095	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000652	µg/m ³	V0
Tungsten	0.000005	0.000098	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000028	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904343
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.3	°C	
Pressure		732.5	mmHg	
Particulate Matter	0.042	10.042	µg/m ³	V0
Lithium	0.000016	0.000713	µg/m ³	V0
Beryllium	0.000013	0.000026	µg/m ³	V0
Sodium	0.000777	0.067722	µg/m ³	V0
Magnesium	0.000279	0.156128	µg/m ³	V0
Aluminum	0.002800	0.456285	µg/m ³	V0
Silicon	0.010200	0.996683	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.151945	µg/m ³	V0
Calcium	0.013042	0.563050	µg/m ³	V0
Titanium	0.000031	0.019033	µg/m ³	V0
Vanadium	0.000018	0.002016	µg/m ³	V0
Chromium	0.000045	0.000735	µg/m ³	V0
Manganese	0.000028	0.006875	µg/m ³	V0
Iron	0.001585	0.391199	µg/m ³	V0
Cobalt	0.000005	0.000254	µg/m ³	V0
Nickel	0.000015	0.000505	µg/m ³	V0
Copper	0.000027	0.000954	µg/m ³	V0
Zinc	0.000149	0.000611	µg/m ³	V0
Arsenic	0.000005	0.000121	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000654	µg/m ³	V0
Strontium	0.000012	0.001903	µg/m ³	V0
Niobium	0.000006	0.000153	µg/m ³	V0
Molybdenum	0.000025	0.000092	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000212	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000037	µg/m ³	V0
Barium	0.000054	0.003758	µg/m ³	V0
Lanthanum	0.000004	0.000275	µg/m ³	V0
Cerium	0.000013	0.000585	µg/m ³	V0
Praseodymium	0.000002	0.000067	µg/m ³	V0
Neodymium	0.000005	0.000260	µg/m ³	V0
Samarium	0.000006	0.000047	µg/m ³	V0
Tantalum	0.000003	0.000403	µg/m ³	V0
Tungsten	0.000005	0.000132	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000019	µg/m ³	V0
Lead	0.000018	0.000216	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000091	µg/m ³	V0
Uranium	0.000003	0.000022	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Conklin	Samp Use: Exposure	WBEA ID: 220904351
Start Date:	2022-09-08 00:00	Loc ID: CONK	Duration: 24.0 hr
		End Date: 2022-09-09 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.3	°C	
Pressure		710.5	mmHg	
Particulate Matter	0.042	3.083	µg/m ³	V0
Lithium	0.000016	0.000163	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006713	µg/m ³	V0
Magnesium	0.000279	0.007459	µg/m ³	V0
Aluminum	0.002800	0.014312	µg/m ³	V0
Silicon	0.010200	0.058428	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.046169	µg/m ³	V0
Calcium	0.013042	0.031042	µg/m ³	V0
Titanium	0.000031	0.001338	µg/m ³	V0
Vanadium	0.000018	0.000115	µg/m ³	V0
Chromium	0.000045	0.000606	µg/m ³	V0
Manganese	0.000028	0.000600	µg/m ³	V0
Iron	0.001585	0.028469	µg/m ³	V0
Cobalt	0.000005	0.000049	µg/m ³	V0
Nickel	0.000015	0.000166	µg/m ³	V0
Copper	0.000027	0.000283	µg/m ³	V0
Zinc	0.000149	0.003121	µg/m ³	V0
Arsenic	0.000005	0.000393	µg/m ³	V0
Selenium	0.000133	0.000227	µg/m ³	V0
Rubidium	0.000003	0.000064	µg/m ³	V0
Strontium	0.000012	0.000089	µg/m ³	V0
Niobium	0.000006	0.000138	µg/m ³	V0
Molybdenum	0.000025	0.000068	µg/m ³	V0
Palladium	0.000050	0.000170	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000228	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	0.000020	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000800	µg/m ³	V0
Tungsten	0.000005	0.000169	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000292	µg/m ³	V0
Lead	0.000018	0.000033	µg/m ³	V0
Bismuth	0.000004	0.000065	µg/m ³	V0
Thorium	0.000002	0.000553	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904359
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.4	°C	
Pressure		717.7	mmHg	
Particulate Matter	0.042	3.792	µg/m ³	V0
Lithium	0.000016	0.000106	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015786	µg/m ³	V0
Magnesium	0.000279	0.006082	µg/m ³	V0
Aluminum	0.002800	0.016619	µg/m ³	V0
Silicon	0.010200	0.050310	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.040279	µg/m ³	V0
Calcium	0.013042	0.029204	µg/m ³	V0
Titanium	0.000031	0.000842	µg/m ³	V0
Vanadium	0.000018	0.000107	µg/m ³	V0
Chromium	0.000045	0.000294	µg/m ³	V0
Manganese	0.000028	0.000381	µg/m ³	V0
Iron	0.001585	0.023536	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000070	µg/m ³	V0
Copper	0.000027	0.000401	µg/m ³	V0
Zinc	0.000149	0.000969	µg/m ³	V0
Arsenic	0.000005	0.000025	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000048	µg/m ³	V0
Strontium	0.000012	0.000070	µg/m ³	V0
Niobium	0.000006	0.000093	µg/m ³	V0
Molybdenum	0.000025	0.000706	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000141	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	0.000016	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000442	µg/m ³	V0
Tungsten	0.000005	0.000065	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000035	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904366
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		715.0	mmHg	
Particulate Matter	0.042	3.542	µg/m ³	V0
Lithium	0.000016	0.000125	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006996	µg/m ³	V0
Magnesium	0.000279	0.009002	µg/m ³	V0
Aluminum	0.002800	0.033936	µg/m ³	V0
Silicon	0.010200	0.144990	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.037064	µg/m ³	V0
Calcium	0.013042	0.041173	µg/m ³	V0
Titanium	0.000031	0.001298	µg/m ³	V0
Vanadium	0.000018	0.000104	µg/m ³	V0
Chromium	0.000045	0.000610	µg/m ³	V0
Manganese	0.000028	0.000383	µg/m ³	V0
Iron	0.001585	0.014111	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000231	µg/m ³	V0
Copper	0.000027	0.000177	µg/m ³	V0
Zinc	0.000149	0.002715	µg/m ³	V0
Arsenic	0.000005	0.000064	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000051	µg/m ³	V0
Strontium	0.000012	0.000102	µg/m ³	V0
Niobium	0.000006	0.000126	µg/m ³	V0
Molybdenum	0.000025	0.000042	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000155	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000446	µg/m ³	V0
Tungsten	0.000005	0.000058	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000029	µg/m ³	V0
Lead	0.000018	0.000044	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904369
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		738.5	mmHg	
Particulate Matter	0.042	5.125	µg/m ³	V0
Lithium	0.000016	0.000201	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.028021	µg/m ³	V0
Magnesium	0.000279	0.042329	µg/m ³	V0
Aluminum	0.002800	0.134398	µg/m ³	V0
Silicon	0.010200	0.449509	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.062242	µg/m ³	V0
Calcium	0.013042	0.138011	µg/m ³	V0
Titanium	0.000031	0.005326	µg/m ³	V0
Vanadium	0.000018	0.000443	µg/m ³	V0
Chromium	0.000045	0.000801	µg/m ³	V0
Manganese	0.000028	0.001709	µg/m ³	V0
Iron	0.001585	0.092770	µg/m ³	V0
Cobalt	0.000005	0.000069	µg/m ³	V0
Nickel	0.000015	0.000300	µg/m ³	V0
Copper	0.000027	0.000549	µg/m ³	V0
Zinc	0.000149	0.005513	µg/m ³	V0
Arsenic	0.000005	0.000050	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000162	µg/m ³	V0
Strontium	0.000012	0.000520	µg/m ³	V0
Niobium	0.000006	0.000164	µg/m ³	V0
Molybdenum	0.000025	0.000112	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000272	µg/m ³	V0
Antimony	0.000016	0.000184	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.001404	µg/m ³	V0
Lanthanum	0.000004	0.000056	µg/m ³	V0
Cerium	0.000013	0.000123	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000057	µg/m ³	V0
Samarium	0.000006	0.000009	µg/m ³	V0
Tantalum	0.000003	0.000678	µg/m ³	V0
Tungsten	0.000005	0.000118	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000080	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000020	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904380
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		726.9	mmHg	
Particulate Matter	0.042	3.958	µg/m ³	V0
Lithium	0.000016	0.000155	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013297	µg/m ³	V0
Magnesium	0.000279	0.021048	µg/m ³	V0
Aluminum	0.002800	0.079942	µg/m ³	V0
Silicon	0.010200	0.320276	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.060254	µg/m ³	V0
Calcium	0.013042	0.070997	µg/m ³	V0
Titanium	0.000031	0.003464	µg/m ³	V0
Vanadium	0.000018	0.000259	µg/m ³	V0
Chromium	0.000045	0.000819	µg/m ³	V0
Manganese	0.000028	0.000769	µg/m ³	V0
Iron	0.001585	0.046883	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000199	µg/m ³	V0
Copper	0.000027	0.000324	µg/m ³	V0
Zinc	0.000149	0.001137	µg/m ³	V0
Arsenic	0.000005	0.000044	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000122	µg/m ³	V0
Strontium	0.000012	0.000331	µg/m ³	V0
Niobium	0.000006	0.000194	µg/m ³	V0
Molybdenum	0.000025	0.000065	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000120	µg/m ³	V0
Antimony	0.000016	0.000020	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000033	µg/m ³	V0
Cerium	0.000013	0.000069	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000036	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000653	µg/m ³	V0
Tungsten	0.000005	0.000101	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000037	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904389
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

Short sampling duration and low sample volume due to power outage.(85080/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.6	m ³	V6
Temperature		12.2	°C	
Pressure		734.1	mmHg	
Particulate Matter	0.042	3.263	µg/m ³	V0
Lithium	0.000016	0.000155	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.013020	µg/m ³	V0
Magnesium	0.000279	0.011533	µg/m ³	V0
Aluminum	0.002800	0.058119	µg/m ³	V0
Silicon	0.010200	0.203464	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.040431	µg/m ³	V0
Calcium	0.013042	0.034286	µg/m ³	V0
Titanium	0.000031	0.005655	µg/m ³	V0
Vanadium	0.000018	0.000132	µg/m ³	V0
Chromium	0.000045	0.000654	µg/m ³	V0
Manganese	0.000028	0.000463	µg/m ³	V0
Iron	0.001585	0.021638	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000209	µg/m ³	V0
Copper	0.000027	0.000172	µg/m ³	V0
Zinc	0.000149	0.000759	µg/m ³	V0
Arsenic	0.000005	0.000038	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000062	µg/m ³	V0
Strontium	0.000012	0.000128	µg/m ³	V0
Niobium	0.000006	0.000132	µg/m ³	V0
Molybdenum	0.000025	0.000203	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000120	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000124	µg/m ³	V0
Cerium	0.000013	0.000228	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000021	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000596	µg/m ³	V0
Tungsten	0.000005	0.000079	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000020	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904416
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.4	°C	
Pressure		732.3	mmHg	
Particulate Matter	0.042	4.292	µg/m ³	V0
Lithium	0.000016	0.000278	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.180292	µg/m ³	V0
Magnesium	0.000279	0.024947	µg/m ³	V0
Aluminum	0.002800	0.139176	µg/m ³	V0
Silicon	0.010200	0.404902	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.068918	µg/m ³	V0
Calcium	0.013042	0.040447	µg/m ³	V0
Titanium	0.000031	0.005551	µg/m ³	V0
Vanadium	0.000018	0.000378	µg/m ³	V0
Chromium	0.000045	0.000330	µg/m ³	V0
Manganese	0.000028	0.000827	µg/m ³	V0
Iron	0.001585	0.043195	µg/m ³	V0
Cobalt	0.000005	0.000060	µg/m ³	V0
Nickel	0.000015	0.000109	µg/m ³	V0
Copper	0.000027	0.000165	µg/m ³	V0
Zinc	0.000149	0.003140	µg/m ³	V0
Arsenic	0.000005	0.000025	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000191	µg/m ³	V0
Strontium	0.000012	0.000366	µg/m ³	V0
Niobium	0.000006	0.000106	µg/m ³	V0
Molybdenum	0.000025	0.000027	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000131	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000058	µg/m ³	V0
Cerium	0.000013	0.000128	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000058	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.000427	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000056	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000023	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220904420
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

Short sampling duration and low sample volume due to power outage.(85380/86400)

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.7	m ³	V6
Temperature		13.2	°C	
Pressure		735.5	mmHg	
Particulate Matter	0.042	2.700	µg/m ³	V0
Lithium	0.000016	0.000144	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.009721	µg/m ³	V0
Magnesium	0.000279	0.009868	µg/m ³	V0
Aluminum	0.002800	0.050958	µg/m ³	V0
Silicon	0.010200	0.137815	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.044814	µg/m ³	V0
Calcium	0.013042	0.028324	µg/m ³	V0
Titanium	0.000031	0.001747	µg/m ³	V0
Vanadium	0.000018	0.000100	µg/m ³	V0
Chromium	0.000045	0.000209	µg/m ³	V0
Manganese	0.000028	0.000469	µg/m ³	V0
Iron	0.001585	0.015350	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000076	µg/m ³	V0
Copper	0.000027	0.000185	µg/m ³	V0
Zinc	0.000149	0.001291	µg/m ³	V0
Arsenic	0.000005	0.000026	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000062	µg/m ³	V0
Strontium	0.000012	0.000108	µg/m ³	V0
Niobium	0.000006	0.000105	µg/m ³	V0
Molybdenum	0.000025	0.000026	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000100	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000033	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000016	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000393	µg/m ³	V0
Tungsten	0.000005	0.000042	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000044	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220904435
Start Date:	2022-09-09 09:22	End Date:	2022-09-09 09:23	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.000	µg/m ³	V0
Lithium	0.000016	0.000088	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001884	µg/m ³	V0
Aluminum	0.002800	0.003289	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.016966	µg/m ³	V0
Calcium	0.013042	0.013873	µg/m ³	V0
Titanium	0.000031	0.000380	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000381	µg/m ³	V0
Manganese	0.000028	0.000063	µg/m ³	V0
Iron	0.001585	0.003504	µg/m ³	V0
Cobalt	0.000005	0.000011	µg/m ³	V0
Nickel	0.000015	0.000081	µg/m ³	V0
Copper	0.000027	0.000041	µg/m ³	V0
Zinc	0.000149	0.002503	µg/m ³	V0
Arsenic	0.000005	0.000021	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000112	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000149	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000512	µg/m ³	V0
Tungsten	0.000005	0.000064	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00
		Set Index:	1
		WBEA ID:	220904424
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.6	°C	
Pressure		714.9	mmHg	
Particulate Matter	0.042	10.917	µg/m ³	V0
Lithium	0.000016	0.000227	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035312	µg/m ³	V0
Magnesium	0.000279	0.082877	µg/m ³	V0
Aluminum	0.002800	0.158655	µg/m ³	V0
Silicon	0.010200	0.620540	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.088381	µg/m ³	V0
Calcium	0.013042	0.205426	µg/m ³	V0
Titanium	0.000031	0.007201	µg/m ³	V0
Vanadium	0.000018	0.000473	µg/m ³	V0
Chromium	0.000045	0.000638	µg/m ³	V0
Manganese	0.000028	0.003838	µg/m ³	V0
Iron	0.001585	0.120348	µg/m ³	V0
Cobalt	0.000005	0.000089	µg/m ³	V0
Nickel	0.000015	0.000208	µg/m ³	V0
Copper	0.000027	0.000305	µg/m ³	V0
Zinc	0.000149	0.003080	µg/m ³	V0
Arsenic	0.000005	0.000098	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000275	µg/m ³	V0
Strontium	0.000012	0.000677	µg/m ³	V0
Niobium	0.000006	0.000118	µg/m ³	V0
Molybdenum	0.000025	0.000052	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000172	µg/m ³	V0
Antimony	0.000016	0.000030	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.001360	µg/m ³	V0
Lanthanum	0.000004	0.000101	µg/m ³	V0
Cerium	0.000013	0.000206	µg/m ³	V0
Praseodymium	0.000002	0.000023	µg/m ³	V0
Neodymium	0.000005	0.000092	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000464	µg/m ³	V0
Tungsten	0.000005	0.000083	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000193	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000038	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904429
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.4	°C	
Pressure		731.6	mmHg	
Particulate Matter	0.042	20.625	µg/m ³	V0
Lithium	0.000016	0.001352	µg/m ³	V0
Beryllium	0.000013	0.000039	µg/m ³	V0
Sodium	0.000777	0.126945	µg/m ³	V0
Magnesium	0.000279	0.212526	µg/m ³	V0
Aluminum	0.002800	1.080141	µg/m ³	V0
Silicon	0.010200	1.267236	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.307830	µg/m ³	V0
Calcium	0.013042	0.453964	µg/m ³	V0
Titanium	0.000031	0.040596	µg/m ³	V0
Vanadium	0.000018	0.003410	µg/m ³	V0
Chromium	0.000045	0.001198	µg/m ³	V0
Manganese	0.000028	0.006193	µg/m ³	V0
Iron	0.001585	0.410613	µg/m ³	V0
Cobalt	0.000005	0.000440	µg/m ³	V0
Nickel	0.000015	0.000574	µg/m ³	V0
Copper	0.000027	0.005258	µg/m ³	V0
Zinc	0.000149	0.001745	µg/m ³	V0
Arsenic	0.000005	0.000254	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001551	µg/m ³	V0
Strontium	0.000012	0.003425	µg/m ³	V0
Niobium	0.000006	0.000174	µg/m ³	V0
Molybdenum	0.000025	0.000230	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000230	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	0.000101	µg/m ³	V0
Barium	0.000054	0.009370	µg/m ³	V0
Lanthanum	0.000004	0.000493	µg/m ³	V0
Cerium	0.000013	0.001040	µg/m ³	V0
Praseodymium	0.000002	0.000128	µg/m ³	V0
Neodymium	0.000005	0.000505	µg/m ³	V0
Samarium	0.000006	0.000100	µg/m ³	V0
Tantalum	0.000003	0.000228	µg/m ³	V0
Tungsten	0.000005	0.000059	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000403	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000184	µg/m ³	V0
Uranium	0.000003	0.000049	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220904438
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.5	°C	
Pressure		734.8	mmHg	
Particulate Matter	0.042	27.750	µg/m ³	V0
Lithium	0.000016	0.001834	µg/m ³	V0
Beryllium	0.000013	0.000055	µg/m ³	V0
Sodium	0.000777	0.156370	µg/m ³	V0
Magnesium	0.000279	0.293902	µg/m ³	V0
Aluminum	0.002800	1.439652	µg/m ³	V0
Silicon	0.010200	1.972301	µg/m ³	V0
Phosphorus	0.003480	0.005233	µg/m ³	V0
Potassium	0.000402	0.409537	µg/m ³	V0
Calcium	0.013042	0.951979	µg/m ³	V0
Titanium	0.000031	0.058519	µg/m ³	V0
Vanadium	0.000018	0.005036	µg/m ³	V0
Chromium	0.000045	0.001569	µg/m ³	V0
Manganese	0.000028	0.010834	µg/m ³	V0
Iron	0.001585	0.677119	µg/m ³	V0
Cobalt	0.000005	0.000614	µg/m ³	V0
Nickel	0.000015	0.000736	µg/m ³	V0
Copper	0.000027	0.000774	µg/m ³	V0
Zinc	0.000149	0.005483	µg/m ³	V0
Arsenic	0.000005	0.000335	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002094	µg/m ³	V0
Strontium	0.000012	0.005261	µg/m ³	V0
Niobium	0.000006	0.000240	µg/m ³	V0
Molybdenum	0.000025	0.000160	µg/m ³	V0
Palladium	0.000050	0.000070	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000252	µg/m ³	V0
Antimony	0.000016	0.000074	µg/m ³	V0
Cesium	0.000004	0.000130	µg/m ³	V0
Barium	0.000054	0.013065	µg/m ³	V0
Lanthanum	0.000004	0.000660	µg/m ³	V0
Cerium	0.000013	0.001402	µg/m ³	V0
Praseodymium	0.000002	0.000172	µg/m ³	V0
Neodymium	0.000005	0.000686	µg/m ³	V0
Samarium	0.000006	0.000132	µg/m ³	V0
Tantalum	0.000003	0.000351	µg/m ³	V0
Tungsten	0.000005	0.000091	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000022	µg/m ³	V0
Lead	0.000018	0.000577	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000239	µg/m ³	V0
Uranium	0.000003	0.000069	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904442
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.6	°C	
Pressure		738.0	mmHg	
Particulate Matter	0.042	18.042	µg/m ³	V0
Lithium	0.000016	0.000640	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.083873	µg/m ³	V0
Magnesium	0.000279	0.190763	µg/m ³	V0
Aluminum	0.002800	0.516329	µg/m ³	V0
Silicon	0.010200	1.118709	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.188232	µg/m ³	V0
Calcium	0.013042	0.711240	µg/m ³	V0
Titanium	0.000031	0.026674	µg/m ³	V0
Vanadium	0.000018	0.001747	µg/m ³	V0
Chromium	0.000045	0.000994	µg/m ³	V0
Manganese	0.000028	0.007989	µg/m ³	V0
Iron	0.001585	0.421805	µg/m ³	V0
Cobalt	0.000005	0.000311	µg/m ³	V0
Nickel	0.000015	0.000443	µg/m ³	V0
Copper	0.000027	0.002912	µg/m ³	V0
Zinc	0.000149	0.010966	µg/m ³	V0
Arsenic	0.000005	0.000213	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000814	µg/m ³	V0
Strontium	0.000012	0.002619	µg/m ³	V0
Niobium	0.000006	0.000191	µg/m ³	V0
Molybdenum	0.000025	0.000306	µg/m ³	V0
Palladium	0.000050	0.000108	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000042	µg/m ³	V0
Tin	0.000008	0.000949	µg/m ³	V0
Antimony	0.000016	0.001254	µg/m ³	V4
Cesium	0.000004	0.000039	µg/m ³	V0
Barium	0.000054	0.014671	µg/m ³	V0
Lanthanum	0.000004	0.000327	µg/m ³	V0
Cerium	0.000013	0.000709	µg/m ³	V0
Praseodymium	0.000002	0.000082	µg/m ³	V0
Neodymium	0.000005	0.000328	µg/m ³	V0
Samarium	0.000006	0.000060	µg/m ³	V0
Tantalum	0.000003	0.000491	µg/m ³	V0
Tungsten	0.000005	0.000258	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000589	µg/m ³	V0
Bismuth	0.000004	0.000050	µg/m ³	V0
Thorium	0.000002	0.000112	µg/m ³	V0
Uranium	0.000003	0.000031	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904451
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.5	°C	
Pressure		726.4	mmHg	
Particulate Matter	0.042	13.458	µg/m ³	V0
Lithium	0.000016	0.000550	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.073642	µg/m ³	V0
Magnesium	0.000279	0.170269	µg/m ³	V0
Aluminum	0.002800	0.520764	µg/m ³	V0
Silicon	0.010200	0.874315	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.166490	µg/m ³	V0
Calcium	0.013042	0.535256	µg/m ³	V0
Titanium	0.000031	0.023106	µg/m ³	V0
Vanadium	0.000018	0.001586	µg/m ³	V0
Chromium	0.000045	0.000840	µg/m ³	V0
Manganese	0.000028	0.006873	µg/m ³	V0
Iron	0.001585	0.323191	µg/m ³	V0
Cobalt	0.000005	0.000256	µg/m ³	V0
Nickel	0.000015	0.000432	µg/m ³	V0
Copper	0.000027	0.001138	µg/m ³	V0
Zinc	0.000149	0.009539	µg/m ³	V0
Arsenic	0.000005	0.000221	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000819	µg/m ³	V0
Strontium	0.000012	0.002401	µg/m ³	V0
Niobium	0.000006	0.000174	µg/m ³	V0
Molybdenum	0.000025	0.000128	µg/m ³	V0
Palladium	0.000050	0.000057	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000452	µg/m ³	V0
Antimony	0.000016	0.000388	µg/m ³	V0
Cesium	0.000004	0.000044	µg/m ³	V0
Barium	0.000054	0.008470	µg/m ³	V0
Lanthanum	0.000004	0.000320	µg/m ³	V0
Cerium	0.000013	0.000666	µg/m ³	V0
Praseodymium	0.000002	0.000072	µg/m ³	V0
Neodymium	0.000005	0.000285	µg/m ³	V0
Samarium	0.000006	0.000050	µg/m ³	V0
Tantalum	0.000003	0.000405	µg/m ³	V0
Tungsten	0.000005	0.000209	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000348	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000115	µg/m ³	V0
Uranium	0.000003	0.000035	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220904459
Start Date:	2022-09-14 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-09-15 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		733.4	mmHg	
Particulate Matter	0.042	30.375	µg/m ³	V0
Lithium	0.000016	0.001417	µg/m ³	V0
Beryllium	0.000013	0.000045	µg/m ³	V0
Sodium	0.000777	0.116955	µg/m ³	V0
Magnesium	0.000279	0.233356	µg/m ³	V0
Aluminum	0.002800	0.961297	µg/m ³	V0
Silicon	0.010200	1.538046	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.340567	µg/m ³	V0
Calcium	0.013042	1.453030	µg/m ³	V0
Titanium	0.000031	0.044850	µg/m ³	V0
Vanadium	0.000018	0.003879	µg/m ³	V0
Chromium	0.000045	0.001828	µg/m ³	V0
Manganese	0.000028	0.012634	µg/m ³	V0
Iron	0.001585	0.782593	µg/m ³	V0
Cobalt	0.000005	0.000516	µg/m ³	V0
Nickel	0.000015	0.000824	µg/m ³	V0
Copper	0.000027	0.001006	µg/m ³	V0
Zinc	0.000149	0.005394	µg/m ³	V0
Arsenic	0.000005	0.000334	µg/m ³	V0
Selenium	0.000133	0.000140	µg/m ³	V0
Rubidium	0.000003	0.001888	µg/m ³	V0
Strontium	0.000012	0.005448	µg/m ³	V0
Niobium	0.000006	0.000305	µg/m ³	V0
Molybdenum	0.000025	0.000144	µg/m ³	V0
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000025	µg/m ³	V0
Tin	0.000008	0.000469	µg/m ³	V0
Antimony	0.000016	0.000250	µg/m ³	V0
Cesium	0.000004	0.000105	µg/m ³	V0
Barium	0.000054	0.010899	µg/m ³	V0
Lanthanum	0.000004	0.000545	µg/m ³	V0
Cerium	0.000013	0.001175	µg/m ³	V0
Praseodymium	0.000002	0.000142	µg/m ³	V0
Neodymium	0.000005	0.000546	µg/m ³	V0
Samarium	0.000006	0.000105	µg/m ³	V0
Tantalum	0.000003	0.000576	µg/m ³	V0
Tungsten	0.000005	0.000157	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000027	µg/m ³	V0
Lead	0.000018	0.000672	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000174	µg/m ³	V0
Uranium	0.000003	0.000050	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904477
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.7	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	60.833	µg/m ³	V0
Lithium	0.000016	0.004911	µg/m ³	V0
Beryllium	0.000013	0.000133	µg/m ³	V0
Sodium	0.000777	0.337874	µg/m ³	V0
Magnesium	0.000279	0.763361	µg/m ³	V0
Aluminum	0.002800	3.456628	µg/m ³	V0
Silicon	0.010200	1.579655	µg/m ³	V0
Phosphorus	0.003480	0.019815	µg/m ³	V0
Potassium	0.000402	0.831699	µg/m ³	V0
Calcium	0.013042	3.010585	µg/m ³	V0
Titanium	0.000031	0.117445	µg/m ³	V0
Vanadium	0.000018	0.011449	µg/m ³	V0
Chromium	0.000045	0.002753	µg/m ³	V0
Manganese	0.000028	0.035656	µg/m ³	V0
Iron	0.001585	2.122808	µg/m ³	V0
Cobalt	0.000005	0.001704	µg/m ³	V0
Nickel	0.000015	0.001624	µg/m ³	V0
Copper	0.000027	0.001441	µg/m ³	V0
Zinc	0.000149	0.007081	µg/m ³	V0
Arsenic	0.000005	0.000652	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.005202	µg/m ³	V0
Strontium	0.000012	0.013744	µg/m ³	V0
Niobium	0.000006	0.000503	µg/m ³	V0
Molybdenum	0.000025	0.000387	µg/m ³	V0
Palladium	0.000050	0.000167	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000324	µg/m ³	V0
Antimony	0.000016	0.000127	µg/m ³	V0
Cesium	0.000004	0.000297	µg/m ³	V0
Barium	0.000054	0.033050	µg/m ³	V0
Lanthanum	0.000004	0.001830	µg/m ³	V0
Cerium	0.000013	0.003986	µg/m ³	V0
Praseodymium	0.000002	0.000483	µg/m ³	V0
Neodymium	0.000005	0.001866	µg/m ³	V0
Samarium	0.000006	0.000347	µg/m ³	V0
Tantalum	0.000003	0.000326	µg/m ³	V0
Tungsten	0.000005	0.000308	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000051	µg/m ³	V0
Lead	0.000018	0.001401	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000677	µg/m ³	V0
Uranium	0.000003	0.000174	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904479
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.7	°C	
Pressure		709.9	mmHg	
Particulate Matter	0.042	74.375	µg/m ³	V0
Lithium	0.000016	0.002802	µg/m ³	V0
Beryllium	0.000013	0.000129	µg/m ³	V0
Sodium	0.000777	0.266797	µg/m ³	V0
Magnesium	0.000279	0.813761	µg/m ³	V0
Aluminum	0.002800	2.398401	µg/m ³	V0
Silicon	0.010200	0.877159	µg/m ³	V0
Phosphorus	0.003480	0.025059	µg/m ³	V0
Potassium	0.000402	0.789179	µg/m ³	V0
Calcium	0.013042	7.896910	µg/m ³	V4
Titanium	0.000031	0.116288	µg/m ³	V0
Vanadium	0.000018	0.010601	µg/m ³	V0
Chromium	0.000045	0.002984	µg/m ³	V0
Manganese	0.000028	0.064427	µg/m ³	V0
Iron	0.001585	2.884551	µg/m ³	V0
Cobalt	0.000005	0.001852	µg/m ³	V0
Nickel	0.000015	0.001903	µg/m ³	V0
Copper	0.000027	0.002366	µg/m ³	V0
Zinc	0.000149	0.013720	µg/m ³	V0
Arsenic	0.000005	0.001160	µg/m ³	V0
Selenium	0.000133	0.000169	µg/m ³	V0
Rubidium	0.000003	0.005039	µg/m ³	V0
Strontium	0.000012	0.022270	µg/m ³	V0
Niobium	0.000006	0.000623	µg/m ³	V0
Molybdenum	0.000025	0.000285	µg/m ³	V0
Palladium	0.000050	0.000165	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000106	µg/m ³	V0
Tin	0.000008	0.000686	µg/m ³	V0
Antimony	0.000016	0.000623	µg/m ³	V0
Cesium	0.000004	0.000228	µg/m ³	V0
Barium	0.000054	0.034973	µg/m ³	V0
Lanthanum	0.000004	0.002090	µg/m ³	V0
Cerium	0.000013	0.004371	µg/m ³	V0
Praseodymium	0.000002	0.000512	µg/m ³	V0
Neodymium	0.000005	0.001980	µg/m ³	V0
Samarium	0.000006	0.000367	µg/m ³	V0
Tantalum	0.000003	0.000653	µg/m ³	V0
Tungsten	0.000005	0.000444	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000045	µg/m ³	V0
Lead	0.000018	0.001832	µg/m ³	V0
Bismuth	0.000004	0.000029	µg/m ³	V0
Thorium	0.000002	0.000750	µg/m ³	V0
Uranium	0.000003	0.000222	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904494
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		717.4	mmHg	
Particulate Matter	0.042	13.708	µg/m ³	V0
Lithium	0.000016	0.000280	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.048358	µg/m ³	V0
Magnesium	0.000279	0.107575	µg/m ³	V0
Aluminum	0.002800	0.198577	µg/m ³	V0
Silicon	0.010200	0.657036	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.162352	µg/m ³	V0
Calcium	0.013042	0.274730	µg/m ³	V0
Titanium	0.000031	0.010788	µg/m ³	V0
Vanadium	0.000018	0.000742	µg/m ³	V0
Chromium	0.000045	0.000831	µg/m ³	V0
Manganese	0.000028	0.004689	µg/m ³	V0
Iron	0.001585	0.157623	µg/m ³	V0
Cobalt	0.000005	0.000128	µg/m ³	V0
Nickel	0.000015	0.000361	µg/m ³	V0
Copper	0.000027	0.000457	µg/m ³	V0
Zinc	0.000149	0.005112	µg/m ³	V0
Arsenic	0.000005	0.000174	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000462	µg/m ³	V0
Strontium	0.000012	0.001156	µg/m ³	V0
Niobium	0.000006	0.000154	µg/m ³	V0
Molybdenum	0.000025	0.000059	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000060	µg/m ³	V0
Tin	0.000008	0.000193	µg/m ³	V0
Antimony	0.000016	0.000083	µg/m ³	V0
Cesium	0.000004	0.000015	µg/m ³	V0
Barium	0.000054	0.002731	µg/m ³	V0
Lanthanum	0.000004	0.000163	µg/m ³	V0
Cerium	0.000013	0.000336	µg/m ³	V0
Praseodymium	0.000002	0.000038	µg/m ³	V0
Neodymium	0.000005	0.000156	µg/m ³	V0
Samarium	0.000006	0.000025	µg/m ³	V0
Tantalum	0.000003	0.000526	µg/m ³	V0
Tungsten	0.000005	0.000119	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000192	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000053	µg/m ³	V0
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904488
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Sample did not run due to power failure.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		-9999	m ³	M2



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220904537
Start Date:	2022-09-16 16:25	End Date:	2022-09-16 16:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000087	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001841	µg/m ³	V0
Magnesium	0.000279	0.013620	µg/m ³	V0
Aluminum	0.002800	0.043555	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.033215	µg/m ³	V0
Potassium	0.000402	0.000512	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.014592	µg/m ³	V0
Vanadium	0.000018	0.001018	µg/m ³	V0
Chromium	0.000045	0.000449	µg/m ³	V0
Manganese	0.000028	0.000077	µg/m ³	V0
Iron	0.001585	0.003239	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000131	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001090	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000020	µg/m ³	V0
Strontium	0.000012	0.000033	µg/m ³	V0
Niobium	0.000006	0.000073	µg/m ³	V0
Molybdenum	0.000025	0.000069	µg/m ³	V0
Palladium	0.000050	0.000118	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000186	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000012	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000406	µg/m ³	V0
Tungsten	0.000005	0.000046	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000047	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00
		Set Index:	1
		WBEA ID:	220904514
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.0	°C	
Pressure		738.6	mmHg	
Particulate Matter	0.042	4.042	µg/m ³	V0
Lithium	0.000016	0.000041	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003891	µg/m ³	V0
Aluminum	0.002800	0.005886	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.009855	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000081	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	-8888	µg/m ³	V1
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904519
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Lithium	0.000016	0.000108	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030861	µg/m ³	V0
Magnesium	0.000279	0.009580	µg/m ³	V0
Aluminum	0.002800	0.021329	µg/m ³	V0
Silicon	0.010200	0.046654	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.070508	µg/m ³	V0
Calcium	0.013042	0.022592	µg/m ³	V0
Titanium	0.000031	0.000934	µg/m ³	V0
Vanadium	0.000018	0.000112	µg/m ³	V0
Chromium	0.000045	0.000641	µg/m ³	V0
Manganese	0.000028	0.000222	µg/m ³	V0
Iron	0.001585	0.012374	µg/m ³	V0
Cobalt	0.000005	0.000015	µg/m ³	V0
Nickel	0.000015	0.000067	µg/m ³	V0
Copper	0.000027	0.002766	µg/m ³	V0
Zinc	0.000149	0.003897	µg/m ³	V0
Arsenic	0.000005	0.000046	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000046	µg/m ³	V0
Strontium	0.000012	0.000069	µg/m ³	V0
Niobium	0.000006	0.000107	µg/m ³	V0
Molybdenum	0.000025	0.000142	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000228	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	0.000024	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000267	µg/m ³	V0
Tungsten	0.000005	0.000148	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000024	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220904523
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.8	°C	
Pressure		739.9	mmHg	
Particulate Matter	0.042	3.625	µg/m ³	V0
Lithium	0.000016	0.000116	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.049823	µg/m ³	V0
Magnesium	0.000279	0.015554	µg/m ³	V0
Aluminum	0.002800	0.030889	µg/m ³	V0
Silicon	0.010200	0.035476	µg/m ³	V0
Phosphorus	0.003480	0.013912	µg/m ³	V0
Potassium	0.000402	0.056316	µg/m ³	V0
Calcium	0.013042	0.029796	µg/m ³	V0
Titanium	0.000031	0.001072	µg/m ³	V0
Vanadium	0.000018	0.000145	µg/m ³	V0
Chromium	0.000045	0.000371	µg/m ³	V0
Manganese	0.000028	0.000354	µg/m ³	V0
Iron	0.001585	0.013698	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000140	µg/m ³	V0
Copper	0.000027	0.000165	µg/m ³	V0
Zinc	0.000149	0.003057	µg/m ³	V0
Arsenic	0.000005	0.000048	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000084	µg/m ³	V0
Strontium	0.000012	0.000112	µg/m ³	V0
Niobium	0.000006	0.000129	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000320	µg/m ³	V0
Antimony	0.000016	0.000020	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000342	µg/m ³	V0
Tungsten	0.000005	0.000130	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000047	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Hills	Samp Use: Exposure	WBEA ID: 220904527
Start Date:	2022-09-20 00:00	Loc ID: FTHL	Duration: 24.0 hr
		End Date: 2022-09-21 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.6	°C	
Pressure		736.9	mmHg	
Particulate Matter	0.042	16.875	µg/m ³	V0
Lithium	0.000016	0.001796	µg/m ³	V0
Beryllium	0.000013	0.000040	µg/m ³	V0
Sodium	0.000777	0.072996	µg/m ³	V0
Magnesium	0.000279	0.125124	µg/m ³	V0
Aluminum	0.002800	0.822287	µg/m ³	V0
Silicon	0.010200	1.147753	µg/m ³	V0
Phosphorus	0.003480	0.006628	µg/m ³	V0
Potassium	0.000402	0.258807	µg/m ³	V0
Calcium	0.013042	0.317527	µg/m ³	V0
Titanium	0.000031	0.039216	µg/m ³	V0
Vanadium	0.000018	0.002268	µg/m ³	V0
Chromium	0.000045	0.001069	µg/m ³	V0
Manganese	0.000028	0.007494	µg/m ³	V0
Iron	0.001585	0.315698	µg/m ³	V0
Cobalt	0.000005	0.000349	µg/m ³	V0
Nickel	0.000015	0.000660	µg/m ³	V0
Copper	0.000027	0.000495	µg/m ³	V0
Zinc	0.000149	0.003045	µg/m ³	V0
Arsenic	0.000005	0.000111	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001125	µg/m ³	V0
Strontium	0.000012	0.002027	µg/m ³	V0
Niobium	0.000006	0.000222	µg/m ³	V0
Molybdenum	0.000025	0.000194	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000236	µg/m ³	V0
Antimony	0.000016	0.000042	µg/m ³	V0
Cesium	0.000004	0.000072	µg/m ³	V0
Barium	0.000054	0.003987	µg/m ³	V0
Lanthanum	0.000004	0.000360	µg/m ³	V0
Cerium	0.000013	0.000815	µg/m ³	V0
Praseodymium	0.000002	0.000094	µg/m ³	V0
Neodymium	0.000005	0.000376	µg/m ³	V0
Samarium	0.000006	0.000070	µg/m ³	V0
Tantalum	0.000003	0.000276	µg/m ³	V0
Tungsten	0.000005	0.000232	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000315	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000139	µg/m ³	V0
Uranium	0.000003	0.000046	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904546
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.6	°C	
Pressure		731.2	mmHg	
Particulate Matter	0.042	3.417	µg/m ³	V0
Lithium	0.000016	0.000044	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003248	µg/m ³	V0
Aluminum	0.002800	0.005576	µg/m ³	V0
Silicon	0.010200	0.043022	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	0.000042	µg/m ³	V0
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000257	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000007	µg/m ³	V0
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904557
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.2	°C	
Pressure		714.3	mmHg	
Particulate Matter	0.042	4.292	µg/m ³	V0
Lithium	0.000016	0.000092	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.029121	µg/m ³	V0
Magnesium	0.000279	0.015137	µg/m ³	V0
Aluminum	0.002800	0.027535	µg/m ³	V0
Silicon	0.010200	0.059746	µg/m ³	V0
Phosphorus	0.003480	0.016473	µg/m ³	V0
Potassium	0.000402	0.096873	µg/m ³	V0
Calcium	0.013042	0.026086	µg/m ³	V0
Titanium	0.000031	0.000670	µg/m ³	V0
Vanadium	0.000018	0.000042	µg/m ³	V0
Chromium	0.000045	0.000679	µg/m ³	V0
Manganese	0.000028	0.000932	µg/m ³	V0
Iron	0.001585	0.069459	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000209	µg/m ³	V0
Copper	0.000027	0.000294	µg/m ³	V0
Zinc	0.000149	0.004743	µg/m ³	V0
Arsenic	0.000005	0.000048	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000070	µg/m ³	V0
Strontium	0.000012	0.000086	µg/m ³	V0
Niobium	0.000006	0.001095	µg/m ³	V0
Molybdenum	0.000025	0.000780	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000370	µg/m ³	V4
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000488	µg/m ³	V0
Antimony	0.000016	0.000432	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.011661	µg/m ³	V4
Tungsten	0.000005	0.007590	µg/m ³	V4
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000099	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904563
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.5	°C	
Pressure		743.0	mmHg	
Particulate Matter	0.042	11.042	µg/m ³	V0
Lithium	0.000016	0.000424	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.083906	µg/m ³	V0
Magnesium	0.000279	0.135757	µg/m ³	V0
Aluminum	0.002800	0.258667	µg/m ³	V0
Silicon	0.010200	0.714221	µg/m ³	V0
Phosphorus	0.003480	0.008193	µg/m ³	V0
Potassium	0.000402	0.122983	µg/m ³	V0
Calcium	0.013042	0.492283	µg/m ³	V0
Titanium	0.000031	0.012677	µg/m ³	V0
Vanadium	0.000018	0.000837	µg/m ³	V0
Chromium	0.000045	0.001067	µg/m ³	V0
Manganese	0.000028	0.004366	µg/m ³	V0
Iron	0.001585	0.231865	µg/m ³	V0
Cobalt	0.000005	0.000189	µg/m ³	V0
Nickel	0.000015	0.000531	µg/m ³	V0
Copper	0.000027	0.001783	µg/m ³	V0
Zinc	0.000149	0.012162	µg/m ³	V0
Arsenic	0.000005	0.000131	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000403	µg/m ³	V0
Strontium	0.000012	0.001606	µg/m ³	V0
Niobium	0.000006	0.000125	µg/m ³	V0
Molybdenum	0.000025	0.000202	µg/m ³	V0
Palladium	0.000050	0.000107	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000760	µg/m ³	V0
Antimony	0.000016	0.000697	µg/m ³	V0
Cesium	0.000004	0.000021	µg/m ³	V0
Barium	0.000054	0.007842	µg/m ³	V0
Lanthanum	0.000004	0.000174	µg/m ³	V0
Cerium	0.000013	0.000397	µg/m ³	V0
Praseodymium	0.000002	0.000043	µg/m ³	V0
Neodymium	0.000005	0.000165	µg/m ³	V0
Samarium	0.000006	0.000030	µg/m ³	V0
Tantalum	0.000003	0.000383	µg/m ³	V0
Tungsten	0.000005	0.000207	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000031	µg/m ³	V0
Lead	0.000018	0.000250	µg/m ³	V0
Bismuth	0.000004	0.000050	µg/m ³	V0
Thorium	0.000002	0.000068	µg/m ³	V0
Uranium	0.000003	0.000016	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904572
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.6	°C	
Pressure		721.8	mmHg	
Particulate Matter	0.042	4.667	µg/m ³	V0
Lithium	0.000016	0.000114	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.036048	µg/m ³	V0
Magnesium	0.000279	0.016799	µg/m ³	V0
Aluminum	0.002800	0.028785	µg/m ³	V0
Silicon	0.010200	0.078117	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.078957	µg/m ³	V0
Calcium	0.013042	0.036909	µg/m ³	V0
Titanium	0.000031	0.001396	µg/m ³	V0
Vanadium	0.000018	0.000099	µg/m ³	V0
Chromium	0.000045	0.000335	µg/m ³	V0
Manganese	0.000028	0.000576	µg/m ³	V0
Iron	0.001585	0.022422	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000113	µg/m ³	V0
Copper	0.000027	0.000182	µg/m ³	V0
Zinc	0.000149	0.002352	µg/m ³	V0
Arsenic	0.000005	0.000067	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000118	µg/m ³	V0
Strontium	0.000012	0.000153	µg/m ³	V0
Niobium	0.000006	0.000186	µg/m ³	V0
Molybdenum	0.000025	0.000198	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000125	µg/m ³	V0
Antimony	0.000016	0.000047	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000042	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000016	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000717	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000048	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904576
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.5	°C	
Pressure		719.4	mmHg	
Particulate Matter	0.042	4.167	µg/m ³	V0
Lithium	0.000016	0.000171	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031580	µg/m ³	V0
Magnesium	0.000279	0.028067	µg/m ³	V0
Aluminum	0.002800	0.051864	µg/m ³	V0
Silicon	0.010200	0.074044	µg/m ³	V0
Phosphorus	0.003480	0.010491	µg/m ³	V0
Potassium	0.000402	0.047433	µg/m ³	V0
Calcium	0.013042	0.034539	µg/m ³	V0
Titanium	0.000031	0.000895	µg/m ³	V0
Vanadium	0.000018	0.000101	µg/m ³	V0
Chromium	0.000045	0.000420	µg/m ³	V0
Manganese	0.000028	0.000306	µg/m ³	V0
Iron	0.001585	0.010748	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000078	µg/m ³	V0
Copper	0.000027	0.000125	µg/m ³	V0
Zinc	0.000149	0.006856	µg/m ³	V0
Arsenic	0.000005	0.000063	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000068	µg/m ³	V0
Strontium	0.000012	0.000112	µg/m ³	V0
Niobium	0.000006	0.000097	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000176	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000317	µg/m ³	V0
Tungsten	0.000005	0.000093	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000044	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220904544
Start Date:	2022-09-20 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-09-21 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.2	°C	
Pressure		743.4	mmHg	
Particulate Matter	0.042	2.292	µg/m ³	V0
Lithium	0.000016	0.000085	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.063992	µg/m ³	V0
Magnesium	0.000279	0.021076	µg/m ³	V0
Aluminum	0.002800	0.041889	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.040180	µg/m ³	V0
Potassium	0.000402	0.012797	µg/m ³	V0
Calcium	0.013042	0.021421	µg/m ³	V0
Titanium	0.000031	0.001963	µg/m ³	V0
Vanadium	0.000018	0.000213	µg/m ³	V0
Chromium	0.000045	0.000645	µg/m ³	V0
Manganese	0.000028	0.000400	µg/m ³	V0
Iron	0.001585	0.015548	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000235	µg/m ³	V0
Copper	0.000027	0.000031	µg/m ³	V0
Zinc	0.000149	0.000264	µg/m ³	V0
Arsenic	0.000005	0.000014	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000056	µg/m ³	V0
Strontium	0.000012	0.000149	µg/m ³	V0
Niobium	0.000006	0.000057	µg/m ³	V0
Molybdenum	0.000025	0.000055	µg/m ³	V0
Palladium	0.000050	0.000081	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000179	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000380	µg/m ³	V0
Lanthanum	0.000004	0.000026	µg/m ³	V0
Cerium	0.000013	0.000051	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000287	µg/m ³	V0
Tungsten	0.000005	0.000054	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000025	µg/m ³	V0
Lead	0.000018	0.000059	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 220904677
Start Date:	2022-09-23 14:25	End Date:	2022-09-23 14:26	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.167	µg/m ³	V0
Lithium	0.000016	0.000146	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001117	µg/m ³	V0
Magnesium	0.000279	0.001211	µg/m ³	V0
Aluminum	0.002800	0.002897	µg/m ³	V0
Silicon	0.010200	0.014397	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.022755	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	0.000275	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000904	µg/m ³	V0
Manganese	0.000028	0.000085	µg/m ³	V0
Iron	0.001585	0.005783	µg/m ³	V0
Cobalt	0.000005	0.000026	µg/m ³	V0
Nickel	0.000015	0.000238	µg/m ³	V0
Copper	0.000027	0.000181	µg/m ³	V0
Zinc	0.000149	0.002618	µg/m ³	V0
Arsenic	0.000005	0.000059	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000010	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000096	µg/m ³	V0
Molybdenum	0.000025	0.000025	µg/m ³	V0
Palladium	0.000050	0.000078	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000146	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000392	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000047	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000018	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904585	
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.5	°C	
Pressure		737.7	mmHg	
Particulate Matter	0.042	25.417	µg/m ³	V0
Lithium	0.000016	0.001385	µg/m ³	V0
Beryllium	0.000013	0.000063	µg/m ³	V0
Sodium	0.000777	0.126781	µg/m ³	V0
Magnesium	0.000279	0.217525	µg/m ³	V0
Aluminum	0.002800	0.908067	µg/m ³	V0
Silicon	0.010200	0.722288	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.288942	µg/m ³	V0
Calcium	0.013042	2.849397	µg/m ³	V0
Titanium	0.000031	0.044114	µg/m ³	V0
Vanadium	0.000018	0.003318	µg/m ³	V0
Chromium	0.000045	0.001436	µg/m ³	V0
Manganese	0.000028	0.009134	µg/m ³	V0
Iron	0.001585	0.493378	µg/m ³	V0
Cobalt	0.000005	0.000481	µg/m ³	V0
Nickel	0.000015	0.001034	µg/m ³	V0
Copper	0.000027	0.001264	µg/m ³	V0
Zinc	0.000149	0.004657	µg/m ³	V0
Arsenic	0.000005	0.000855	µg/m ³	V0
Selenium	0.000133	0.000448	µg/m ³	V0
Rubidium	0.000003	0.001607	µg/m ³	V0
Strontium	0.000012	0.006198	µg/m ³	V0
Niobium	0.000006	0.000223	µg/m ³	V0
Molybdenum	0.000025	0.000323	µg/m ³	V0
Palladium	0.000050	0.000378	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000030	µg/m ³	V0
Tin	0.000008	0.000262	µg/m ³	V0
Antimony	0.000016	0.000204	µg/m ³	V0
Cesium	0.000004	0.000116	µg/m ³	V0
Barium	0.000054	0.007626	µg/m ³	V0
Lanthanum	0.000004	0.000507	µg/m ³	V0
Cerium	0.000013	0.001062	µg/m ³	V0
Praseodymium	0.000002	0.000137	µg/m ³	V0
Neodymium	0.000005	0.000515	µg/m ³	V0
Samarium	0.000006	0.000100	µg/m ³	V0
Tantalum	0.000003	0.000519	µg/m ³	V0
Tungsten	0.000005	0.000159	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000540	µg/m ³	V4
Lead	0.000018	0.000573	µg/m ³	V0
Bismuth	0.000004	0.000129	µg/m ³	V0
Thorium	0.000002	0.001317	µg/m ³	V0
Uranium	0.000003	0.000064	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904605
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	19.792	µg/m ³	V0
Lithium	0.000016	0.001016	µg/m ³	V0
Beryllium	0.000013	0.000036	µg/m ³	V0
Sodium	0.000777	0.116079	µg/m ³	V0
Magnesium	0.000279	0.159389	µg/m ³	V0
Aluminum	0.002800	0.774872	µg/m ³	V0
Silicon	0.010200	1.116279	µg/m ³	V0
Phosphorus	0.003480	0.008197	µg/m ³	V0
Potassium	0.000402	0.264104	µg/m ³	V0
Calcium	0.013042	1.001951	µg/m ³	V0
Titanium	0.000031	0.025497	µg/m ³	V0
Vanadium	0.000018	0.002806	µg/m ³	V0
Chromium	0.000045	0.000860	µg/m ³	V0
Manganese	0.000028	0.005705	µg/m ³	V0
Iron	0.001585	0.342231	µg/m ³	V0
Cobalt	0.000005	0.000350	µg/m ³	V0
Nickel	0.000015	0.000572	µg/m ³	V0
Copper	0.000027	0.002175	µg/m ³	V0
Zinc	0.000149	0.002775	µg/m ³	V0
Arsenic	0.000005	0.000141	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001101	µg/m ³	V0
Strontium	0.000012	0.003085	µg/m ³	V0
Niobium	0.000006	0.000355	µg/m ³	V0
Molybdenum	0.000025	0.000411	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000068	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000264	µg/m ³	V0
Antimony	0.000016	0.000116	µg/m ³	V0
Cesium	0.000004	0.000061	µg/m ³	V0
Barium	0.000054	0.005382	µg/m ³	V0
Lanthanum	0.000004	0.000343	µg/m ³	V0
Cerium	0.000013	0.000746	µg/m ³	V0
Praseodymium	0.000002	0.000090	µg/m ³	V0
Neodymium	0.000005	0.000348	µg/m ³	V0
Samarium	0.000006	0.000066	µg/m ³	V0
Tantalum	0.000003	0.000540	µg/m ³	V0
Tungsten	0.000005	0.000664	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000358	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000128	µg/m ³	V0
Uranium	0.000003	0.000033	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	220904614
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.4	°C	
Pressure		739.1	mmHg	
Particulate Matter	0.042	17.125	µg/m ³	V0
Lithium	0.000016	0.000799	µg/m ³	V0
Beryllium	0.000013	0.000028	µg/m ³	V0
Sodium	0.000777	0.077497	µg/m ³	V0
Magnesium	0.000279	0.176220	µg/m ³	V0
Aluminum	0.002800	0.570010	µg/m ³	V0
Silicon	0.010200	0.496183	µg/m ³	V0
Phosphorus	0.003480	0.003829	µg/m ³	V0
Potassium	0.000402	0.227029	µg/m ³	V0
Calcium	0.013042	0.956914	µg/m ³	V0
Titanium	0.000031	0.023870	µg/m ³	V0
Vanadium	0.000018	0.002129	µg/m ³	V0
Chromium	0.000045	0.001438	µg/m ³	V0
Manganese	0.000028	0.004611	µg/m ³	V0
Iron	0.001585	0.271216	µg/m ³	V0
Cobalt	0.000005	0.000266	µg/m ³	V0
Nickel	0.000015	0.000518	µg/m ³	V0
Copper	0.000027	0.000491	µg/m ³	V0
Zinc	0.000149	0.005066	µg/m ³	V0
Arsenic	0.000005	0.000146	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000903	µg/m ³	V0
Strontium	0.000012	0.002709	µg/m ³	V0
Niobium	0.000006	0.000209	µg/m ³	V0
Molybdenum	0.000025	0.000386	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000216	µg/m ³	V0
Antimony	0.000016	0.000089	µg/m ³	V0
Cesium	0.000004	0.000050	µg/m ³	V0
Barium	0.000054	0.004315	µg/m ³	V0
Lanthanum	0.000004	0.000284	µg/m ³	V0
Cerium	0.000013	0.000614	µg/m ³	V0
Praseodymium	0.000002	0.000073	µg/m ³	V0
Neodymium	0.000005	0.000288	µg/m ³	V0
Samarium	0.000006	0.000051	µg/m ³	V0
Tantalum	0.000003	0.000281	µg/m ³	V0
Tungsten	0.000005	0.000286	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000282	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000104	µg/m ³	V0
Uranium	0.000003	0.000025	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904618
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	126.792	µg/m ³	V0
Lithium	0.000016	0.008329	µg/m ³	V0
Beryllium	0.000013	0.000227	µg/m ³	V4
Sodium	0.000777	0.472275	µg/m ³	V0
Magnesium	0.000279	1.464755	µg/m ³	V4
Aluminum	0.002800	5.810025	µg/m ³	V0
Silicon	0.010200	1.142767	µg/m ³	V0
Phosphorus	0.003480	0.046784	µg/m ³	V0
Potassium	0.000402	1.366696	µg/m ³	V0
Calcium	0.013042	8.734705	µg/m ³	V4
Titanium	0.000031	0.238144	µg/m ³	V0
Vanadium	0.000018	0.019624	µg/m ³	V0
Chromium	0.000045	0.003767	µg/m ³	V0
Manganese	0.000028	0.073063	µg/m ³	V0
Iron	0.001585	3.022602	µg/m ³	V0
Cobalt	0.000005	0.003421	µg/m ³	V4
Nickel	0.000015	0.002470	µg/m ³	V0
Copper	0.000027	0.001770	µg/m ³	V0
Zinc	0.000149	0.009873	µg/m ³	V0
Arsenic	0.000005	0.001278	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.009398	µg/m ³	V0
Strontium	0.000012	0.030682	µg/m ³	V4
Niobium	0.000006	0.000996	µg/m ³	V0
Molybdenum	0.000025	0.000785	µg/m ³	V0
Palladium	0.000050	0.000360	µg/m ³	V0
Silver	0.000006	0.000029	µg/m ³	V0
Cadmium	0.000011	0.000032	µg/m ³	V0
Tin	0.000008	0.000490	µg/m ³	V0
Antimony	0.000016	0.000118	µg/m ³	V0
Cesium	0.000004	0.000479	µg/m ³	V0
Barium	0.000054	0.043765	µg/m ³	V0
Lanthanum	0.000004	0.003996	µg/m ³	V0
Cerium	0.000013	0.008631	µg/m ³	V0
Praseodymium	0.000002	0.001016	µg/m ³	V0
Neodymium	0.000005	0.003942	µg/m ³	V4
Samarium	0.000006	0.000711	µg/m ³	V0
Tantalum	0.000003	0.000267	µg/m ³	V0
Tungsten	0.000005	0.000788	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000091	µg/m ³	V0
Lead	0.000018	0.002759	µg/m ³	V0
Bismuth	0.000004	0.000037	µg/m ³	V0
Thorium	0.000002	0.001408	µg/m ³	V0
Uranium	0.000003	0.000350	µg/m ³	V4



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220904654
Start Date:	2022-09-26 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-09-27 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		742.2	mmHg	
Particulate Matter	0.042	11.250	µg/m ³	V0
Lithium	0.000016	0.000457	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.074577	µg/m ³	V0
Magnesium	0.000279	0.134887	µg/m ³	V0
Aluminum	0.002800	0.263430	µg/m ³	V0
Silicon	0.010200	0.766194	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.122159	µg/m ³	V0
Calcium	0.013042	0.353158	µg/m ³	V0
Titanium	0.000031	0.015011	µg/m ³	V0
Vanadium	0.000018	0.000896	µg/m ³	V0
Chromium	0.000045	0.000899	µg/m ³	V0
Manganese	0.000028	0.004075	µg/m ³	V0
Iron	0.001585	0.235816	µg/m ³	V0
Cobalt	0.000005	0.000179	µg/m ³	V0
Nickel	0.000015	0.000489	µg/m ³	V0
Copper	0.000027	0.001760	µg/m ³	V0
Zinc	0.000149	0.018073	µg/m ³	V0
Arsenic	0.000005	0.000234	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000463	µg/m ³	V0
Strontium	0.000012	0.001313	µg/m ³	V0
Niobium	0.000006	0.000126	µg/m ³	V0
Molybdenum	0.000025	0.000345	µg/m ³	V0
Palladium	0.000050	0.000183	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000022	µg/m ³	V0
Tin	0.000008	0.000633	µg/m ³	V0
Antimony	0.000016	0.000746	µg/m ³	V0
Cesium	0.000004	0.000035	µg/m ³	V0
Barium	0.000054	0.007566	µg/m ³	V0
Lanthanum	0.000004	0.000154	µg/m ³	V0
Cerium	0.000013	0.000341	µg/m ³	V0
Praseodymium	0.000002	0.000040	µg/m ³	V0
Neodymium	0.000005	0.000149	µg/m ³	V0
Samarium	0.000006	0.000028	µg/m ³	V0
Tantalum	0.000003	0.000363	µg/m ³	V0
Tungsten	0.000005	0.000252	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000110	µg/m ³	V0
Lead	0.000018	0.000367	µg/m ³	V0
Bismuth	0.000004	0.000052	µg/m ³	V0
Thorium	0.000002	0.000079	µg/m ³	V0
Uranium	0.000003	0.000017	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904658
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.1	°C	
Pressure		730.5	mmHg	
Particulate Matter	0.042	6.375	µg/m ³	V0
Lithium	0.000016	0.000065	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002715	µg/m ³	V0
Aluminum	0.002800	0.003699	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	0.000067	µg/m ³	V0
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.018938	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000073	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000015	µg/m ³	V0
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00
		Set Index:	1
		WBEA ID:	220904667
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		713.8	mmHg	
Particulate Matter	0.042	40.417	µg/m ³	V0
Lithium	0.000016	0.001672	µg/m ³	V0
Beryllium	0.000013	0.000062	µg/m ³	V0
Sodium	0.000777	0.230553	µg/m ³	V0
Magnesium	0.000279	0.582728	µg/m ³	V0
Aluminum	0.002800	1.503464	µg/m ³	V0
Silicon	0.010200	1.102270	µg/m ³	V0
Phosphorus	0.003480	0.030021	µg/m ³	V0
Potassium	0.000402	0.449407	µg/m ³	V0
Calcium	0.013042	4.519276	µg/m ³	V0
Titanium	0.000031	0.065827	µg/m ³	V0
Vanadium	0.000018	0.005104	µg/m ³	V0
Chromium	0.000045	0.004484	µg/m ³	V0
Manganese	0.000028	0.029758	µg/m ³	V0
Iron	0.001585	1.319198	µg/m ³	V0
Cobalt	0.000005	0.000888	µg/m ³	V0
Nickel	0.000015	0.001032	µg/m ³	V0
Copper	0.000027	0.001008	µg/m ³	V0
Zinc	0.000149	0.008379	µg/m ³	V0
Arsenic	0.000005	0.000504	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.002326	µg/m ³	V0
Strontium	0.000012	0.010285	µg/m ³	V0
Niobium	0.000006	0.000264	µg/m ³	V0
Molybdenum	0.000025	0.000539	µg/m ³	V0
Palladium	0.000050	0.000110	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000035	µg/m ³	V0
Tin	0.000008	0.000423	µg/m ³	V0
Antimony	0.000016	0.000253	µg/m ³	V0
Cesium	0.000004	0.000111	µg/m ³	V0
Barium	0.000054	0.022024	µg/m ³	V0
Lanthanum	0.000004	0.001060	µg/m ³	V0
Cerium	0.000013	0.002209	µg/m ³	V0
Praseodymium	0.000002	0.000269	µg/m ³	V0
Neodymium	0.000005	0.001017	µg/m ³	V0
Samarium	0.000006	0.000185	µg/m ³	V0
Tantalum	0.000003	0.000333	µg/m ³	V0
Tungsten	0.000005	0.000221	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000031	µg/m ³	V0
Lead	0.000018	0.000985	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000404	µg/m ³	V0
Uranium	0.000003	0.000103	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904671
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		721.5	mmHg	
Particulate Matter	0.042	5.292	µg/m ³	V0
Lithium	0.000016	0.000023	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001945	µg/m ³	V0
Aluminum	0.002800	0.003156	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.010254	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000063	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000018	µg/m ³	V0
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904681
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.2	°C	
Pressure		719.0	mmHg	
Particulate Matter	0.042	5.125	µg/m ³	V0
Lithium	0.000016	0.000140	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.019031	µg/m ³	V0
Magnesium	0.000279	0.023157	µg/m ³	V0
Aluminum	0.002800	0.066855	µg/m ³	V0
Silicon	0.010200	0.383193	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.039743	µg/m ³	V0
Calcium	0.013042	0.099958	µg/m ³	V0
Titanium	0.000031	0.002548	µg/m ³	V0
Vanadium	0.000018	0.000158	µg/m ³	V0
Chromium	0.000045	0.000530	µg/m ³	V0
Manganese	0.000028	0.000961	µg/m ³	V0
Iron	0.001585	0.040872	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000247	µg/m ³	V0
Copper	0.000027	0.000571	µg/m ³	V0
Zinc	0.000149	0.001851	µg/m ³	V0
Arsenic	0.000005	0.000038	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000082	µg/m ³	V0
Strontium	0.000012	0.000242	µg/m ³	V0
Niobium	0.000006	0.000102	µg/m ³	V0
Molybdenum	0.000025	0.000058	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000203	µg/m ³	V0
Antimony	0.000016	0.000018	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000097	µg/m ³	V0
Cerium	0.000013	0.000139	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000028	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000417	µg/m ³	V0
Tungsten	0.000005	0.000094	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000089	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220904608
Start Date:	2022-09-26 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-09-27 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.5	°C	
Pressure		741.5	mmHg	
Particulate Matter	0.042	7.167	µg/m ³	V0
Lithium	0.000016	0.000243	µg/m ³	V0
Beryllium	0.000013	0.000016	µg/m ³	V0
Sodium	0.000777	0.047797	µg/m ³	V0
Magnesium	0.000279	0.031864	µg/m ³	V0
Aluminum	0.002800	0.111144	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.037876	µg/m ³	V0
Potassium	0.000402	0.046486	µg/m ³	V0
Calcium	0.013042	0.054498	µg/m ³	V0
Titanium	0.000031	0.006479	µg/m ³	V0
Vanadium	0.000018	0.000393	µg/m ³	V0
Chromium	0.000045	0.001059	µg/m ³	V0
Manganese	0.000028	0.001280	µg/m ³	V0
Iron	0.001585	0.047577	µg/m ³	V0
Cobalt	0.000005	0.000070	µg/m ³	V0
Nickel	0.000015	0.000444	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000313	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000203	µg/m ³	V0
Strontium	0.000012	0.000406	µg/m ³	V0
Niobium	0.000006	0.000149	µg/m ³	V0
Molybdenum	0.000025	0.000113	µg/m ³	V0
Palladium	0.000050	0.000519	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000286	µg/m ³	V0
Antimony	0.000016	0.000017	µg/m ³	V0
Cesium	0.000004	0.000029	µg/m ³	V0
Barium	0.000054	0.001345	µg/m ³	V0
Lanthanum	0.000004	0.000092	µg/m ³	V0
Cerium	0.000013	0.000172	µg/m ³	V0
Praseodymium	0.000002	0.000027	µg/m ³	V0
Neodymium	0.000005	0.000076	µg/m ³	V0
Samarium	0.000006	0.000018	µg/m ³	V0
Tantalum	0.000003	0.000985	µg/m ³	V0
Tungsten	0.000005	0.000107	µg/m ³	V0
Platinum	0.000004	0.000037	µg/m ³	V0
Thallium	0.000005	0.000636	µg/m ³	V0
Lead	0.000018	0.000119	µg/m ³	V0
Bismuth	0.000004	0.000129	µg/m ³	V0
Thorium	0.000002	0.000060	µg/m ³	V0
Uranium	0.000003	0.000016	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220904700
Start Date:	2022-09-27 12:00	End Date:	2022-09-27 12:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.000430	µg/m ³	V0
Aluminum	0.002800	0.003505	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.012941	µg/m ³	V0
Calcium	0.013042	0.014504	µg/m ³	V0
Titanium	0.000031	0.000200	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000790	µg/m ³	V0
Manganese	0.000028	0.000179	µg/m ³	V0
Iron	0.001585	0.006811	µg/m ³	V0
Cobalt	0.000005	0.000015	µg/m ³	V0
Nickel	0.000015	0.000266	µg/m ³	V0
Copper	0.000027	0.000074	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000003	µg/m ³	V0
Strontium	0.000012	0.000024	µg/m ³	V0
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000257	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000541	µg/m ³	V0
Tungsten	0.000005	0.000053	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000022	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904692
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.1	°C	
Pressure		736.6	mmHg	
Particulate Matter	0.042	11.208	µg/m ³	V0
Lithium	0.000016	0.000371	µg/m ³	V0
Beryllium	0.000013	0.000029	µg/m ³	V0
Sodium	0.000777	0.055955	µg/m ³	V0
Magnesium	0.000279	0.088112	µg/m ³	V0
Aluminum	0.002800	0.222072	µg/m ³	V0
Silicon	0.010200	0.725361	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.101526	µg/m ³	V0
Calcium	0.013042	0.146759	µg/m ³	V0
Titanium	0.000031	0.012002	µg/m ³	V0
Vanadium	0.000018	0.000234	µg/m ³	V0
Chromium	0.000045	0.001235	µg/m ³	V0
Manganese	0.000028	0.003962	µg/m ³	V0
Iron	0.001585	0.134040	µg/m ³	V0
Cobalt	0.000005	0.000118	µg/m ³	V0
Nickel	0.000015	0.000409	µg/m ³	V0
Copper	0.000027	0.000368	µg/m ³	V0
Zinc	0.000149	0.000464	µg/m ³	V0
Arsenic	0.000005	0.000297	µg/m ³	V0
Selenium	0.000133	0.000173	µg/m ³	V0
Rubidium	0.000003	0.000444	µg/m ³	V0
Strontium	0.000012	0.001052	µg/m ³	V0
Niobium	0.000006	0.000121	µg/m ³	V0
Molybdenum	0.000025	0.000163	µg/m ³	V0
Palladium	0.000050	0.000804	µg/m ³	V4
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000050	µg/m ³	V0
Tin	0.000008	0.000175	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000047	µg/m ³	V0
Barium	0.000054	0.003235	µg/m ³	V0
Lanthanum	0.000004	0.000252	µg/m ³	V0
Cerium	0.000013	0.000469	µg/m ³	V0
Praseodymium	0.000002	0.000070	µg/m ³	V0
Neodymium	0.000005	0.000200	µg/m ³	V0
Samarium	0.000006	0.000045	µg/m ³	V0
Tantalum	0.000003	0.000578	µg/m ³	V0
Tungsten	0.000005	0.000096	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.001986	µg/m ³	V4
Lead	0.000018	0.000151	µg/m ³	V0
Bismuth	0.000004	0.000232	µg/m ³	V0
Thorium	0.000002	0.000213	µg/m ³	V0
Uranium	0.000003	0.000036	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904704
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.7	°C	
Pressure		711.1	mmHg	
Particulate Matter	0.042	17.625	µg/m ³	V0
Lithium	0.000016	0.000472	µg/m ³	V0
Beryllium	0.000013	0.000137	µg/m ³	V0
Sodium	0.000777	0.106637	µg/m ³	V0
Magnesium	0.000279	0.198273	µg/m ³	V0
Aluminum	0.002800	0.364830	µg/m ³	V0
Silicon	0.010200	0.993571	µg/m ³	V0
Phosphorus	0.003480	0.016770	µg/m ³	V0
Potassium	0.000402	0.154836	µg/m ³	V0
Calcium	0.013042	0.830489	µg/m ³	V0
Titanium	0.000031	0.013254	µg/m ³	V0
Vanadium	0.000018	0.000868	µg/m ³	V0
Chromium	0.000045	0.001253	µg/m ³	V0
Manganese	0.000028	0.010704	µg/m ³	V0
Iron	0.001585	0.318789	µg/m ³	V0
Cobalt	0.000005	0.000242	µg/m ³	V0
Nickel	0.000015	0.000645	µg/m ³	V0
Copper	0.000027	0.000673	µg/m ³	V0
Zinc	0.000149	0.001857	µg/m ³	V0
Arsenic	0.000005	0.000160	µg/m ³	V0
Selenium	0.000133	0.000202	µg/m ³	V0
Rubidium	0.000003	0.000593	µg/m ³	V0
Strontium	0.000012	0.002096	µg/m ³	V0
Niobium	0.000006	0.000121	µg/m ³	V0
Molybdenum	0.000025	0.000085	µg/m ³	V0
Palladium	0.000050	0.000072	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000055	µg/m ³	V0
Tin	0.000008	0.000425	µg/m ³	V0
Antimony	0.000016	0.000092	µg/m ³	V0
Cesium	0.000004	0.000033	µg/m ³	V0
Barium	0.000054	0.005113	µg/m ³	V0
Lanthanum	0.000004	0.000272	µg/m ³	V0
Cerium	0.000013	0.000464	µg/m ³	V0
Praseodymium	0.000002	0.000061	µg/m ³	V0
Neodymium	0.000005	0.000203	µg/m ³	V0
Samarium	0.000006	0.000044	µg/m ³	V0
Tantalum	0.000003	0.000388	µg/m ³	V0
Tungsten	0.000005	0.000093	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000044	µg/m ³	V0
Lead	0.000018	0.000419	µg/m ³	V0
Bismuth	0.000004	0.000072	µg/m ³	V0
Thorium	0.000002	0.000179	µg/m ³	V0
Uranium	0.000003	0.000131	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904710
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.8	°C	
Pressure		718.4	mmHg	
Particulate Matter	0.042	13.292	µg/m ³	V0
Lithium	0.000016	0.000222	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.055387	µg/m ³	V0
Magnesium	0.000279	0.161048	µg/m ³	V0
Aluminum	0.002800	0.253399	µg/m ³	V0
Silicon	0.010200	1.014798	µg/m ³	V0
Phosphorus	0.003480	0.008640	µg/m ³	V0
Potassium	0.000402	0.110757	µg/m ³	V0
Calcium	0.013042	0.336135	µg/m ³	V0
Titanium	0.000031	0.009535	µg/m ³	V0
Vanadium	0.000018	0.000509	µg/m ³	V0
Chromium	0.000045	0.001245	µg/m ³	V0
Manganese	0.000028	0.006748	µg/m ³	V0
Iron	0.001585	0.176271	µg/m ³	V0
Cobalt	0.000005	0.000145	µg/m ³	V0
Nickel	0.000015	0.000625	µg/m ³	V0
Copper	0.000027	0.000416	µg/m ³	V0
Zinc	0.000149	0.003540	µg/m ³	V0
Arsenic	0.000005	0.000120	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000430	µg/m ³	V0
Strontium	0.000012	0.001080	µg/m ³	V0
Niobium	0.000006	0.000106	µg/m ³	V0
Molybdenum	0.000025	0.000061	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000113	µg/m ³	V0
Tin	0.000008	0.000186	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.003322	µg/m ³	V0
Lanthanum	0.000004	0.000184	µg/m ³	V0
Cerium	0.000013	0.000293	µg/m ³	V0
Praseodymium	0.000002	0.000036	µg/m ³	V0
Neodymium	0.000005	0.000133	µg/m ³	V0
Samarium	0.000006	0.000024	µg/m ³	V0
Tantalum	0.000003	0.000390	µg/m ³	V0
Tungsten	0.000005	0.000088	µg/m ³	V0
Platinum	0.000004	0.000004	µg/m ³	V0
Thallium	0.000005	0.000032	µg/m ³	V0
Lead	0.000018	0.000268	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000043	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	220904715
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.0	°C	
Pressure		732.4	mmHg	
Particulate Matter	0.042	38.667	µg/m ³	V0
Lithium	0.000016	0.000979	µg/m ³	V0
Beryllium	0.000013	0.000068	µg/m ³	V0
Sodium	0.000777	0.092140	µg/m ³	V0
Magnesium	0.000279	0.307917	µg/m ³	V0
Aluminum	0.002800	0.697842	µg/m ³	V0
Silicon	0.010200	1.327077	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.218397	µg/m ³	V0
Calcium	0.013042	1.720932	µg/m ³	V0
Titanium	0.000031	0.029096	µg/m ³	V0
Vanadium	0.000018	0.002874	µg/m ³	V0
Chromium	0.000045	0.001168	µg/m ³	V0
Manganese	0.000028	0.020479	µg/m ³	V0
Iron	0.001585	1.117608	µg/m ³	V0
Cobalt	0.000005	0.000585	µg/m ³	V0
Nickel	0.000015	0.000908	µg/m ³	V0
Copper	0.000027	0.000663	µg/m ³	V0
Zinc	0.000149	0.001317	µg/m ³	V0
Arsenic	0.000005	0.000472	µg/m ³	V0
Selenium	0.000133	0.000228	µg/m ³	V0
Rubidium	0.000003	0.001231	µg/m ³	V0
Strontium	0.000012	0.004650	µg/m ³	V0
Niobium	0.000006	0.000160	µg/m ³	V0
Molybdenum	0.000025	0.000139	µg/m ³	V0
Palladium	0.000050	0.000818	µg/m ³	V4
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000049	µg/m ³	V0
Tin	0.000008	0.000201	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	0.000096	µg/m ³	V0
Barium	0.000054	0.008695	µg/m ³	V0
Lanthanum	0.000004	0.000532	µg/m ³	V0
Cerium	0.000013	0.001077	µg/m ³	V0
Praseodymium	0.000002	0.000148	µg/m ³	V0
Neodymium	0.000005	0.000496	µg/m ³	V0
Samarium	0.000006	0.000111	µg/m ³	V0
Tantalum	0.000003	0.000464	µg/m ³	V0
Tungsten	0.000005	0.000450	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.001721	µg/m ³	V4
Lead	0.000018	0.000453	µg/m ³	V0
Bismuth	0.000004	0.000227	µg/m ³	V0
Thorium	0.000002	0.000292	µg/m ³	V0
Uranium	0.000003	0.000067	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904723
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		726.9	mmHg	
Particulate Matter	0.042	9.542	µg/m ³	V0
Lithium	0.000016	0.000198	µg/m ³	V0
Beryllium	0.000013	0.000013	µg/m ³	V0
Sodium	0.000777	0.046817	µg/m ³	V0
Magnesium	0.000279	0.112705	µg/m ³	V0
Aluminum	0.002800	0.188751	µg/m ³	V0
Silicon	0.010200	0.129811	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.095121	µg/m ³	V0
Calcium	0.013042	0.253269	µg/m ³	V0
Titanium	0.000031	0.008185	µg/m ³	V0
Vanadium	0.000018	0.000230	µg/m ³	V0
Chromium	0.000045	0.000886	µg/m ³	V0
Manganese	0.000028	0.005202	µg/m ³	V0
Iron	0.001585	0.135314	µg/m ³	V0
Cobalt	0.000005	0.000096	µg/m ³	V0
Nickel	0.000015	0.000374	µg/m ³	V0
Copper	0.000027	0.000404	µg/m ³	V0
Zinc	0.000149	0.000383	µg/m ³	V0
Arsenic	0.000005	0.000102	µg/m ³	V0
Selenium	0.000133	0.000174	µg/m ³	V0
Rubidium	0.000003	0.000303	µg/m ³	V0
Strontium	0.000012	0.000823	µg/m ³	V0
Niobium	0.000006	0.000052	µg/m ³	V0
Molybdenum	0.000025	0.000133	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000207	µg/m ³	V0
Antimony	0.000016	0.000082	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.002467	µg/m ³	V0
Lanthanum	0.000004	0.000146	µg/m ³	V0
Cerium	0.000013	0.000216	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000093	µg/m ³	V0
Samarium	0.000006	0.000019	µg/m ³	V0
Tantalum	0.000003	0.000147	µg/m ³	V0
Tungsten	0.000005	0.000054	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000213	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000031	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904728
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.8	°C	
Pressure		732.2	mmHg	
Particulate Matter	0.042	12.292	µg/m ³	V0
Lithium	0.000016	0.000606	µg/m ³	V0
Beryllium	0.000013	0.000022	µg/m ³	V0
Sodium	0.000777	0.074147	µg/m ³	V0
Magnesium	0.000279	0.111921	µg/m ³	V0
Aluminum	0.002800	0.377069	µg/m ³	V0
Silicon	0.010200	0.938001	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.117574	µg/m ³	V0
Calcium	0.013042	0.156039	µg/m ³	V0
Titanium	0.000031	0.013701	µg/m ³	V0
Vanadium	0.000018	0.000756	µg/m ³	V0
Chromium	0.000045	0.000896	µg/m ³	V0
Manganese	0.000028	0.004354	µg/m ³	V0
Iron	0.001585	0.174567	µg/m ³	V0
Cobalt	0.000005	0.000157	µg/m ³	V0
Nickel	0.000015	0.000269	µg/m ³	V0
Copper	0.000027	0.002419	µg/m ³	V0
Zinc	0.000149	0.002195	µg/m ³	V0
Arsenic	0.000005	0.000151	µg/m ³	V0
Selenium	0.000133	0.000183	µg/m ³	V0
Rubidium	0.000003	0.000595	µg/m ³	V0
Strontium	0.000012	0.001176	µg/m ³	V0
Niobium	0.000006	0.000100	µg/m ³	V0
Molybdenum	0.000025	0.000101	µg/m ³	V0
Palladium	0.000050	0.000304	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000030	µg/m ³	V0
Tin	0.000008	0.000278	µg/m ³	V0
Antimony	0.000016	0.000161	µg/m ³	V0
Cesium	0.000004	0.000041	µg/m ³	V0
Barium	0.000054	0.003186	µg/m ³	V0
Lanthanum	0.000004	0.000191	µg/m ³	V0
Cerium	0.000013	0.000368	µg/m ³	V0
Praseodymium	0.000002	0.000048	µg/m ³	V0
Neodymium	0.000005	0.000174	µg/m ³	V0
Samarium	0.000006	0.000035	µg/m ³	V0
Tantalum	0.000003	0.000301	µg/m ³	V0
Tungsten	0.000005	0.000069	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000309	µg/m ³	V0
Lead	0.000018	0.000323	µg/m ³	V0
Bismuth	0.000004	0.000055	µg/m ³	V0
Thorium	0.000002	0.000068	µg/m ³	V0
Uranium	0.000003	0.000022	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904734
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.3	°C	
Pressure		715.5	mmHg	
Particulate Matter	0.042	13.667	µg/m ³	V0
Lithium	0.000016	0.000262	µg/m ³	V0
Beryllium	0.000013	0.000013	µg/m ³	V0
Sodium	0.000777	0.042053	µg/m ³	V0
Magnesium	0.000279	0.086550	µg/m ³	V0
Aluminum	0.002800	0.204957	µg/m ³	V0
Silicon	0.010200	0.916783	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.085504	µg/m ³	V0
Calcium	0.013042	0.215265	µg/m ³	V0
Titanium	0.000031	0.006521	µg/m ³	V0
Vanadium	0.000018	0.000405	µg/m ³	V0
Chromium	0.000045	0.000886	µg/m ³	V0
Manganese	0.000028	0.003899	µg/m ³	V0
Iron	0.001585	0.127272	µg/m ³	V0
Cobalt	0.000005	0.000108	µg/m ³	V0
Nickel	0.000015	0.000403	µg/m ³	V0
Copper	0.000027	0.000211	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000139	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000326	µg/m ³	V0
Strontium	0.000012	0.000779	µg/m ³	V0
Niobium	0.000006	0.000087	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.000175	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.001883	µg/m ³	V0
Lanthanum	0.000004	0.000131	µg/m ³	V0
Cerium	0.000013	0.000219	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000104	µg/m ³	V0
Samarium	0.000006	0.000020	µg/m ³	V0
Tantalum	0.000003	0.000392	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000164	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00
		Set Index:	1
		WBEA ID:	220904740
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.5	°C	
Pressure		735.3	mmHg	
Particulate Matter	0.042	9.042	µg/m ³	V0
Lithium	0.000016	0.000053	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.024217	µg/m ³	V0
Magnesium	0.000279	0.033212	µg/m ³	V0
Aluminum	0.002800	0.121211	µg/m ³	V0
Silicon	0.010200	0.470691	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.050964	µg/m ³	V0
Calcium	0.013042	0.077190	µg/m ³	V0
Titanium	0.000031	0.002863	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000570	µg/m ³	V0
Manganese	0.000028	0.001512	µg/m ³	V0
Iron	0.001585	0.052681	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000234	µg/m ³	V0
Copper	0.000027	0.000183	µg/m ³	V0
Zinc	0.000149	0.000271	µg/m ³	V0
Arsenic	0.000005	0.000027	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000149	µg/m ³	V0
Strontium	0.000012	0.000290	µg/m ³	V0
Niobium	0.000006	0.000068	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000185	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000380	µg/m ³	V0
Lanthanum	0.000004	0.000052	µg/m ³	V0
Cerium	0.000013	0.000092	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000040	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000291	µg/m ³	V0
Tungsten	0.000005	0.000051	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000137	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904743
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.6	°C	
Pressure		738.5	mmHg	
Particulate Matter	0.042	13.208	µg/m ³	V0
Lithium	0.000016	0.000279	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.055781	µg/m ³	V0
Magnesium	0.000279	0.126777	µg/m ³	V0
Aluminum	0.002800	0.235011	µg/m ³	V0
Silicon	0.010200	0.647156	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.107837	µg/m ³	V0
Calcium	0.013042	0.315852	µg/m ³	V0
Titanium	0.000031	0.013286	µg/m ³	V0
Vanadium	0.000018	0.000511	µg/m ³	V0
Chromium	0.000045	0.000956	µg/m ³	V0
Manganese	0.000028	0.005698	µg/m ³	V0
Iron	0.001585	0.208609	µg/m ³	V0
Cobalt	0.000005	0.000139	µg/m ³	V0
Nickel	0.000015	0.000428	µg/m ³	V0
Copper	0.000027	0.001129	µg/m ³	V0
Zinc	0.000149	0.003539	µg/m ³	V0
Arsenic	0.000005	0.000206	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000376	µg/m ³	V0
Strontium	0.000012	0.001107	µg/m ³	V0
Niobium	0.000006	0.000095	µg/m ³	V0
Molybdenum	0.000025	0.000280	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000425	µg/m ³	V0
Antimony	0.000016	0.000352	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.004977	µg/m ³	V0
Lanthanum	0.000004	0.000152	µg/m ³	V0
Cerium	0.000013	0.000286	µg/m ³	V0
Praseodymium	0.000002	0.000032	µg/m ³	V0
Neodymium	0.000005	0.000133	µg/m ³	V0
Samarium	0.000006	0.000025	µg/m ³	V0
Tantalum	0.000003	0.000370	µg/m ³	V0
Tungsten	0.000005	0.000122	µg/m ³	V0
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000264	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000037	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904753	
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.5	°C	
Pressure		735.3	mmHg	
Particulate Matter	0.042	11.708	µg/m ³	V0
Lithium	0.000016	0.000277	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.044517	µg/m ³	V0
Magnesium	0.000279	0.069826	µg/m ³	V0
Aluminum	0.002800	0.190221	µg/m ³	V0
Silicon	0.010200	0.542835	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.089838	µg/m ³	V0
Calcium	0.013042	0.154035	µg/m ³	V0
Titanium	0.000031	0.009740	µg/m ³	V0
Vanadium	0.000018	0.000351	µg/m ³	V0
Chromium	0.000045	0.000779	µg/m ³	V0
Manganese	0.000028	0.003237	µg/m ³	V0
Iron	0.001585	0.114798	µg/m ³	V0
Cobalt	0.000005	0.000083	µg/m ³	V0
Nickel	0.000015	0.000257	µg/m ³	V0
Copper	0.000027	0.000348	µg/m ³	V0
Zinc	0.000149	0.000283	µg/m ³	V0
Arsenic	0.000005	0.000076	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000308	µg/m ³	V0
Strontium	0.000012	0.000710	µg/m ³	V0
Niobium	0.000006	0.000093	µg/m ³	V0
Molybdenum	0.000025	0.000195	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000205	µg/m ³	V0
Antimony	0.000016	0.000072	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.001537	µg/m ³	V0
Lanthanum	0.000004	0.000110	µg/m ³	V0
Cerium	0.000013	0.000202	µg/m ³	V0
Praseodymium	0.000002	0.000023	µg/m ³	V0
Neodymium	0.000005	0.000084	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000402	µg/m ³	V0
Tungsten	0.000005	0.000065	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000501	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000024	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 221004813
Start Date:	2022-10-04 14:35	End Date:	2022-10-04 14:36	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
 Mass Flag: 'b1', Field/-dynamic blank.
 Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.042	µg/m ³	V0
Lithium	0.000016	0.000019	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.051763	µg/m ³	V0
Aluminum	0.002800	0.008675	µg/m ³	V0
Silicon	0.010200	1.265239	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.002604	µg/m ³	V0
Calcium	0.013042	0.016244	µg/m ³	V0
Titanium	0.000031	0.000120	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000305	µg/m ³	V0
Manganese	0.000028	0.000108	µg/m ³	V0
Iron	0.001585	0.006230	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000106	µg/m ³	V0
Copper	0.000027	0.000051	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000005	µg/m ³	V0
Strontium	0.000012	0.000014	µg/m ³	V0
Niobium	0.000006	0.000063	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000072	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000055	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000384	µg/m ³	V0
Tungsten	0.000005	0.000067	µg/m ³	V0
Platinum	0.000004	0.000008	µg/m ³	V0
Thallium	0.000005	0.000086	µg/m ³	V0
Lead	0.000018	0.000044	µg/m ³	V0
Bismuth	0.000004	0.000017	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004780
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		719.0	mmHg	
Particulate Matter	0.042	18.583	µg/m ³	V0
Lithium	0.000016	0.000333	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.048558	µg/m ³	V0
Magnesium	0.000279	0.119646	µg/m ³	V0
Aluminum	0.002800	0.282371	µg/m ³	V0
Silicon	0.010200	0.541633	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.146134	µg/m ³	V0
Calcium	0.013042	0.251576	µg/m ³	V0
Titanium	0.000031	0.012177	µg/m ³	V0
Vanadium	0.000018	0.000681	µg/m ³	V0
Chromium	0.000045	0.000999	µg/m ³	V0
Manganese	0.000028	0.005029	µg/m ³	V0
Iron	0.001585	0.206056	µg/m ³	V0
Cobalt	0.000005	0.000130	µg/m ³	V0
Nickel	0.000015	0.000428	µg/m ³	V0
Copper	0.000027	0.000538	µg/m ³	V0
Zinc	0.000149	0.003630	µg/m ³	V0
Arsenic	0.000005	0.000153	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000502	µg/m ³	V0
Strontium	0.000012	0.001076	µg/m ³	V0
Niobium	0.000006	0.000106	µg/m ³	V0
Molybdenum	0.000025	0.000146	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000218	µg/m ³	V0
Tin	0.000008	0.000239	µg/m ³	V0
Antimony	0.000016	0.000080	µg/m ³	V0
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	0.003473	µg/m ³	V0
Lanthanum	0.000004	0.000175	µg/m ³	V0
Cerium	0.000013	0.000363	µg/m ³	V0
Praseodymium	0.000002	0.000043	µg/m ³	V0
Neodymium	0.000005	0.000159	µg/m ³	V0
Samarium	0.000006	0.000030	µg/m ³	V0
Tantalum	0.000003	0.000389	µg/m ³	V0
Tungsten	0.000005	0.000081	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000516	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000053	µg/m ³	V0
Uranium	0.000003	0.000015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 221004787
Start Date:	2022-10-08 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-10-09 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.7	°C	
Pressure		742.3	mmHg	
Particulate Matter	0.042	28.250	µg/m ³	V0
Lithium	0.000016	0.000714	µg/m ³	V0
Beryllium	0.000013	0.000025	µg/m ³	V0
Sodium	0.000777	0.125971	µg/m ³	V0
Magnesium	0.000279	0.215010	µg/m ³	V0
Aluminum	0.002800	0.596790	µg/m ³	V0
Silicon	0.010200	0.973901	µg/m ³	V0
Phosphorus	0.003480	0.012015	µg/m ³	V0
Potassium	0.000402	0.231162	µg/m ³	V0
Calcium	0.013042	0.752830	µg/m ³	V0
Titanium	0.000031	0.029227	µg/m ³	V0
Vanadium	0.000018	0.001898	µg/m ³	V0
Chromium	0.000045	0.001324	µg/m ³	V0
Manganese	0.000028	0.010696	µg/m ³	V0
Iron	0.001585	0.626291	µg/m ³	V0
Cobalt	0.000005	0.000402	µg/m ³	V0
Nickel	0.000015	0.000588	µg/m ³	V0
Copper	0.000027	0.004736	µg/m ³	V0
Zinc	0.000149	0.020144	µg/m ³	V0
Arsenic	0.000005	0.001447	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000975	µg/m ³	V0
Strontium	0.000012	0.003006	µg/m ³	V0
Niobium	0.000006	0.000167	µg/m ³	V0
Molybdenum	0.000025	0.000643	µg/m ³	V0
Palladium	0.000050	0.000141	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000194	µg/m ³	V0
Tin	0.000008	0.001663	µg/m ³	V0
Antimony	0.000016	0.001774	µg/m ³	V4
Cesium	0.000004	0.000044	µg/m ³	V0
Barium	0.000054	0.019220	µg/m ³	V0
Lanthanum	0.000004	0.000379	µg/m ³	V0
Cerium	0.000013	0.000855	µg/m ³	V0
Praseodymium	0.000002	0.000088	µg/m ³	V0
Neodymium	0.000005	0.000348	µg/m ³	V0
Samarium	0.000006	0.000066	µg/m ³	V0
Tantalum	0.000003	0.000410	µg/m ³	V0
Tungsten	0.000005	0.000528	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.001323	µg/m ³	V0
Bismuth	0.000004	0.000076	µg/m ³	V0
Thorium	0.000002	0.000102	µg/m ³	V0
Uranium	0.000003	0.000029	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004795
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.5	°C	
Pressure		730.6	mmHg	
Particulate Matter	0.042	20.958	µg/m ³	V0
Lithium	0.000016	0.000350	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.070420	µg/m ³	V0
Magnesium	0.000279	0.173515	µg/m ³	V0
Aluminum	0.002800	0.329065	µg/m ³	V0
Silicon	0.010200	1.635033	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.141689	µg/m ³	V0
Calcium	0.013042	0.319007	µg/m ³	V0
Titanium	0.000031	0.013950	µg/m ³	V0
Vanadium	0.000018	0.000922	µg/m ³	V0
Chromium	0.000045	0.001009	µg/m ³	V0
Manganese	0.000028	0.005604	µg/m ³	V0
Iron	0.001585	0.299318	µg/m ³	V0
Cobalt	0.000005	0.000221	µg/m ³	V0
Nickel	0.000015	0.000500	µg/m ³	V0
Copper	0.000027	0.002184	µg/m ³	V0
Zinc	0.000149	0.010054	µg/m ³	V0
Arsenic	0.000005	0.000192	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000579	µg/m ³	V0
Strontium	0.000012	0.001474	µg/m ³	V0
Niobium	0.000006	0.000096	µg/m ³	V0
Molybdenum	0.000025	0.000180	µg/m ³	V0
Palladium	0.000050	0.000085	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000184	µg/m ³	V0
Tin	0.000008	0.000662	µg/m ³	V0
Antimony	0.000016	0.000666	µg/m ³	V0
Cesium	0.000004	0.000026	µg/m ³	V0
Barium	0.000054	0.008395	µg/m ³	V0
Lanthanum	0.000004	0.000205	µg/m ³	V0
Cerium	0.000013	0.000558	µg/m ³	V0
Praseodymium	0.000002	0.000055	µg/m ³	V0
Neodymium	0.000005	0.000201	µg/m ³	V0
Samarium	0.000006	0.000033	µg/m ³	V0
Tantalum	0.000003	0.000300	µg/m ³	V0
Tungsten	0.000005	0.000319	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000599	µg/m ³	V0
Bismuth	0.000004	0.000047	µg/m ³	V0
Thorium	0.000002	0.000050	µg/m ³	V0
Uranium	0.000003	0.000017	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004808
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

Elevated PM10 in the evening

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.5	°C	
Pressure		714.0	mmHg	
Particulate Matter	0.042	71.500	µg/m ³	V0
Lithium	0.000016	0.002592	µg/m ³	V0
Beryllium	0.000013	0.000111	µg/m ³	V0
Sodium	0.000777	0.311052	µg/m ³	V0
Magnesium	0.000279	0.892841	µg/m ³	V4
Aluminum	0.002800	2.402252	µg/m ³	V0
Silicon	0.010200	0.743444	µg/m ³	V0
Phosphorus	0.003480	0.028823	µg/m ³	V0
Potassium	0.000402	0.675423	µg/m ³	V0
Calcium	0.013042	7.803991	µg/m ³	V4
Titanium	0.000031	0.117822	µg/m ³	V0
Vanadium	0.000018	0.008471	µg/m ³	V0
Chromium	0.000045	0.003344	µg/m ³	V0
Manganese	0.000028	0.067109	µg/m ³	V4
Iron	0.001585	3.084235	µg/m ³	V4
Cobalt	0.000005	0.001664	µg/m ³	V4
Nickel	0.000015	0.002170	µg/m ³	V0
Copper	0.000027	0.002240	µg/m ³	V0
Zinc	0.000149	0.009430	µg/m ³	V0
Arsenic	0.000005	0.000922	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.004137	µg/m ³	V0
Strontium	0.000012	0.020440	µg/m ³	V4
Niobium	0.000006	0.000415	µg/m ³	V0
Molybdenum	0.000025	0.000255	µg/m ³	V0
Palladium	0.000050	0.000251	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000190	µg/m ³	V0
Tin	0.000008	0.000505	µg/m ³	V0
Antimony	0.000016	0.000472	µg/m ³	V0
Cesium	0.000004	0.000187	µg/m ³	V0
Barium	0.000054	0.033546	µg/m ³	V4
Lanthanum	0.000004	0.001908	µg/m ³	V4
Cerium	0.000013	0.004015	µg/m ³	V4
Praseodymium	0.000002	0.000472	µg/m ³	V4
Neodymium	0.000005	0.001755	µg/m ³	V4
Samarium	0.000006	0.000332	µg/m ³	V4
Tantalum	0.000003	0.000339	µg/m ³	V0
Tungsten	0.000005	0.000309	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000088	µg/m ³	V0
Lead	0.000018	0.001832	µg/m ³	V0
Bismuth	0.000004	0.000033	µg/m ³	V0
Thorium	0.000002	0.000608	µg/m ³	V4
Uranium	0.000003	0.000172	µg/m ³	V4



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004819
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.3	°C	
Pressure		721.5	mmHg	
Particulate Matter	0.042	11.833	µg/m ³	V0
Lithium	0.000016	0.000145	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030440	µg/m ³	V0
Magnesium	0.000279	0.120491	µg/m ³	V0
Aluminum	0.002800	0.166617	µg/m ³	V0
Silicon	0.010200	1.372940	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.074537	µg/m ³	V0
Calcium	0.013042	0.160763	µg/m ³	V0
Titanium	0.000031	0.006345	µg/m ³	V0
Vanadium	0.000018	0.000317	µg/m ³	V0
Chromium	0.000045	0.000922	µg/m ³	V0
Manganese	0.000028	0.002897	µg/m ³	V0
Iron	0.001585	0.128294	µg/m ³	V0
Cobalt	0.000005	0.000102	µg/m ³	V0
Nickel	0.000015	0.000406	µg/m ³	V0
Copper	0.000027	0.000441	µg/m ³	V0
Zinc	0.000149	0.001989	µg/m ³	V0
Arsenic	0.000005	0.000146	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000297	µg/m ³	V0
Strontium	0.000012	0.000680	µg/m ³	V0
Niobium	0.000006	0.000071	µg/m ³	V0
Molybdenum	0.000025	0.000054	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000073	µg/m ³	V0
Tin	0.000008	0.000408	µg/m ³	V0
Antimony	0.000016	0.000289	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.002012	µg/m ³	V0
Lanthanum	0.000004	0.000105	µg/m ³	V0
Cerium	0.000013	0.000225	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000091	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000290	µg/m ³	V0
Tungsten	0.000005	0.000136	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000384	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000026	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 221004826
Start Date:	2022-10-08 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-10-09 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.9	°C	
Pressure		741.8	mmHg	
Particulate Matter	0.042	11.292	µg/m ³	V0
Lithium	0.000016	0.000219	µg/m ³	V0
Beryllium	0.000013	0.000038	µg/m ³	V0
Sodium	0.000777	0.022894	µg/m ³	V0
Magnesium	0.000279	0.085689	µg/m ³	V0
Aluminum	0.002800	0.119242	µg/m ³	V0
Silicon	0.010200	1.399046	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.069282	µg/m ³	V0
Calcium	0.013042	0.068321	µg/m ³	V0
Titanium	0.000031	0.003884	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000674	µg/m ³	V0
Manganese	0.000028	0.001140	µg/m ³	V0
Iron	0.001585	0.052244	µg/m ³	V0
Cobalt	0.000005	0.000070	µg/m ³	V0
Nickel	0.000015	0.000334	µg/m ³	V0
Copper	0.000027	0.000282	µg/m ³	V0
Zinc	0.000149	0.000922	µg/m ³	V0
Arsenic	0.000005	0.000320	µg/m ³	V0
Selenium	0.000133	0.000226	µg/m ³	V0
Rubidium	0.000003	0.000194	µg/m ³	V0
Strontium	0.000012	0.000394	µg/m ³	V0
Niobium	0.000006	0.000102	µg/m ³	V0
Molybdenum	0.000025	0.000036	µg/m ³	V0
Palladium	0.000050	0.000330	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000053	µg/m ³	V0
Tin	0.000008	0.000091	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.000887	µg/m ³	V0
Lanthanum	0.000004	0.000096	µg/m ³	V0
Cerium	0.000013	0.000181	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000074	µg/m ³	V0
Samarium	0.000006	0.000017	µg/m ³	V0
Tantalum	0.000003	0.000626	µg/m ³	V0
Tungsten	0.000005	0.000105	µg/m ³	V0
Platinum	0.000004	0.000039	µg/m ³	V0
Thallium	0.000005	0.000881	µg/m ³	V4
Lead	0.000018	0.000235	µg/m ³	V0
Bismuth	0.000004	0.000178	µg/m ³	V0
Thorium	0.000002	0.000110	µg/m ³	V0
Uranium	0.000003	0.000042	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index: 1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID: 221004830
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration: 24.0 hr

Notes

High spiking PM10 throughout the day

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.6	°C	
Pressure		736.3	mmHg	
Particulate Matter	0.042	116.292	µg/m ³	V4
Lithium	0.000016	0.009109	µg/m ³	V4
Beryllium	0.000013	0.000241	µg/m ³	V4
Sodium	0.000777	0.406872	µg/m ³	V0
Magnesium	0.000279	1.348364	µg/m ³	V4
Aluminum	0.002800	6.181557	µg/m ³	V4
Silicon	0.010200	0.838966	µg/m ³	V0
Phosphorus	0.003480	0.040467	µg/m ³	V0
Potassium	0.000402	1.331038	µg/m ³	V0
Calcium	0.013042	6.738296	µg/m ³	V4
Titanium	0.000031	0.208436	µg/m ³	V4
Vanadium	0.000018	0.023616	µg/m ³	V4
Chromium	0.000045	0.007096	µg/m ³	V4
Manganese	0.000028	0.100903	µg/m ³	V4
Iron	0.001585	4.502716	µg/m ³	V4
Cobalt	0.000005	0.003281	µg/m ³	V4
Nickel	0.000015	0.004700	µg/m ³	V0
Copper	0.000027	0.003733	µg/m ³	V0
Zinc	0.000149	0.012653	µg/m ³	V0
Arsenic	0.000005	0.001120	µg/m ³	V0
Selenium	0.000133	0.000171	µg/m ³	V0
Rubidium	0.000003	0.009748	µg/m ³	V4
Strontium	0.000012	0.027181	µg/m ³	V4
Niobium	0.000006	0.000967	µg/m ³	V0
Molybdenum	0.000025	0.001206	µg/m ³	V0
Palladium	0.000050	0.000452	µg/m ³	V0
Silver	0.000006	0.000043	µg/m ³	V0
Cadmium	0.000011	0.000197	µg/m ³	V0
Tin	0.000008	0.000492	µg/m ³	V0
Antimony	0.000016	0.000178	µg/m ³	V0
Cesium	0.000004	0.000512	µg/m ³	V4
Barium	0.000054	0.042244	µg/m ³	V4
Lanthanum	0.000004	0.003798	µg/m ³	V4
Cerium	0.000013	0.008349	µg/m ³	V4
Praseodymium	0.000002	0.000963	µg/m ³	V4
Neodymium	0.000005	0.003649	µg/m ³	V4
Samarium	0.000006	0.000682	µg/m ³	V4
Tantalum	0.000003	0.000248	µg/m ³	V0
Tungsten	0.000005	0.000525	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000087	µg/m ³	V0
Lead	0.000018	0.002741	µg/m ³	V4
Bismuth	0.000004	0.000063	µg/m ³	V0
Thorium	0.000002	0.001227	µg/m ³	V4
Uranium	0.000003	0.000314	µg/m ³	V4



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221004846
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.2	°C	
Pressure		735.9	mmHg	
Particulate Matter	0.042	43.083	µg/m ³	V0
Lithium	0.000016	0.002383	µg/m ³	V0
Beryllium	0.000013	0.000077	µg/m ³	V0
Sodium	0.000777	0.353535	µg/m ³	V0
Magnesium	0.000279	0.434249	µg/m ³	V0
Aluminum	0.002800	1.930179	µg/m ³	V0
Silicon	0.010200	0.936502	µg/m ³	V0
Phosphorus	0.003480	0.004639	µg/m ³	V0
Potassium	0.000402	2.324227	µg/m ³	V4
Calcium	0.013042	4.603510	µg/m ³	V0
Titanium	0.000031	0.087781	µg/m ³	V0
Vanadium	0.000018	0.008612	µg/m ³	V0
Chromium	0.000045	0.002507	µg/m ³	V0
Manganese	0.000028	0.019891	µg/m ³	V0
Iron	0.001585	1.259918	µg/m ³	V0
Cobalt	0.000005	0.001019	µg/m ³	V0
Nickel	0.000015	0.001924	µg/m ³	V0
Copper	0.000027	0.005948	µg/m ³	V0
Zinc	0.000149	0.064950	µg/m ³	V4
Arsenic	0.000005	0.000488	µg/m ³	V0
Selenium	0.000133	0.000181	µg/m ³	V0
Rubidium	0.000003	0.002867	µg/m ³	V0
Strontium	0.000012	0.008839	µg/m ³	V0
Niobium	0.000006	0.000320	µg/m ³	V0
Molybdenum	0.000025	0.000513	µg/m ³	V0
Palladium	0.000050	0.000169	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000204	µg/m ³	V0
Tin	0.000008	0.000382	µg/m ³	V0
Antimony	0.000016	0.000145	µg/m ³	V0
Cesium	0.000004	0.000162	µg/m ³	V0
Barium	0.000054	0.017592	µg/m ³	V0
Lanthanum	0.000004	0.001001	µg/m ³	V0
Cerium	0.000013	0.002120	µg/m ³	V0
Praseodymium	0.000002	0.000255	µg/m ³	V0
Neodymium	0.000005	0.000993	µg/m ³	V0
Samarium	0.000006	0.000186	µg/m ³	V0
Tantalum	0.000003	0.000301	µg/m ³	V0
Tungsten	0.000005	0.000226	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000073	µg/m ³	V0
Lead	0.000018	0.001084	µg/m ³	V0
Bismuth	0.000004	0.000035	µg/m ³	V0
Thorium	0.000002	0.000319	µg/m ³	V0
Uranium	0.000003	0.000094	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221004850
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.6	°C	
Pressure		739.2	mmHg	
Particulate Matter	0.042	44.167	µg/m ³	V0
Lithium	0.000016	0.002125	µg/m ³	V0
Beryllium	0.000013	0.000073	µg/m ³	V0
Sodium	0.000777	0.193443	µg/m ³	V0
Magnesium	0.000279	0.416682	µg/m ³	V0
Aluminum	0.002800	1.733788	µg/m ³	V0
Silicon	0.010200	1.239855	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.457268	µg/m ³	V0
Calcium	0.013042	2.149164	µg/m ³	V0
Titanium	0.000031	0.076475	µg/m ³	V0
Vanadium	0.000018	0.009964	µg/m ³	V0
Chromium	0.000045	0.002374	µg/m ³	V0
Manganese	0.000028	0.022765	µg/m ³	V0
Iron	0.001585	1.335181	µg/m ³	V0
Cobalt	0.000005	0.000827	µg/m ³	V0
Nickel	0.000015	0.002257	µg/m ³	V0
Copper	0.000027	0.001483	µg/m ³	V0
Zinc	0.000149	0.006819	µg/m ³	V0
Arsenic	0.000005	0.000426	µg/m ³	V0
Selenium	0.000133	0.000176	µg/m ³	V0
Rubidium	0.000003	0.002625	µg/m ³	V0
Strontium	0.000012	0.007505	µg/m ³	V0
Niobium	0.000006	0.000301	µg/m ³	V0
Molybdenum	0.000025	0.000670	µg/m ³	V0
Palladium	0.000050	0.000136	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000204	µg/m ³	V0
Tin	0.000008	0.000348	µg/m ³	V0
Antimony	0.000016	0.000140	µg/m ³	V0
Cesium	0.000004	0.000142	µg/m ³	V0
Barium	0.000054	0.016561	µg/m ³	V0
Lanthanum	0.000004	0.000977	µg/m ³	V0
Cerium	0.000013	0.002102	µg/m ³	V0
Praseodymium	0.000002	0.000253	µg/m ³	V0
Neodymium	0.000005	0.000978	µg/m ³	V0
Samarium	0.000006	0.000180	µg/m ³	V0
Tantalum	0.000003	0.000303	µg/m ³	V0
Tungsten	0.000005	0.000290	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000044	µg/m ³	V0
Lead	0.000018	0.001089	µg/m ³	V0
Bismuth	0.000004	0.000035	µg/m ³	V0
Thorium	0.000002	0.000308	µg/m ³	V0
Uranium	0.000003	0.000081	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004866
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

Elevated PM10 throughout the day

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.8	°C	
Pressure		737.8	mmHg	
Particulate Matter	0.042	61.000	µg/m ³	V0
Lithium	0.000016	0.003251	µg/m ³	V0
Beryllium	0.000013	0.000105	µg/m ³	V0
Sodium	0.000777	0.267295	µg/m ³	V0
Magnesium	0.000279	0.583945	µg/m ³	V0
Aluminum	0.002800	2.529978	µg/m ³	V0
Silicon	0.010200	1.171808	µg/m ³	V0
Phosphorus	0.003480	0.007676	µg/m ³	V0
Potassium	0.000402	0.653422	µg/m ³	V0
Calcium	0.013042	3.208532	µg/m ³	V0
Titanium	0.000031	0.121038	µg/m ³	V0
Vanadium	0.000018	0.014215	µg/m ³	V4
Chromium	0.000045	0.003630	µg/m ³	V0
Manganese	0.000028	0.033668	µg/m ³	V0
Iron	0.001585	1.921195	µg/m ³	V0
Cobalt	0.000005	0.001323	µg/m ³	V4
Nickel	0.000015	0.002865	µg/m ³	V0
Copper	0.000027	0.002410	µg/m ³	V0
Zinc	0.000149	0.012102	µg/m ³	V0
Arsenic	0.000005	0.001301	µg/m ³	V0
Selenium	0.000133	0.000197	µg/m ³	V0
Rubidium	0.000003	0.004194	µg/m ³	V0
Strontium	0.000012	0.012070	µg/m ³	V0
Niobium	0.000006	0.000487	µg/m ³	V0
Molybdenum	0.000025	0.000915	µg/m ³	V0
Palladium	0.000050	0.000281	µg/m ³	V0
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000237	µg/m ³	V0
Tin	0.000008	0.000485	µg/m ³	V0
Antimony	0.000016	0.000298	µg/m ³	V0
Cesium	0.000004	0.000225	µg/m ³	V0
Barium	0.000054	0.025928	µg/m ³	V0
Lanthanum	0.000004	0.001497	µg/m ³	V4
Cerium	0.000013	0.003224	µg/m ³	V4
Praseodymium	0.000002	0.000377	µg/m ³	V4
Neodymium	0.000005	0.001477	µg/m ³	V4
Samarium	0.000006	0.000284	µg/m ³	V4
Tantalum	0.000003	0.000377	µg/m ³	V0
Tungsten	0.000005	0.000281	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000111	µg/m ³	V0
Lead	0.000018	0.003634	µg/m ³	V4
Bismuth	0.000004	0.000055	µg/m ³	V0
Thorium	0.000002	0.000496	µg/m ³	V4
Uranium	0.000003	0.000130	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 221004944
Start Date:	2022-10-13 13:05	End Date:	2022-10-13 13:06	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.125	µg/m ³	V0
Lithium	0.000016	0.000072	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005174	µg/m ³	V0
Magnesium	0.000279	0.003455	µg/m ³	V0
Aluminum	0.002800	0.020612	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.022499	µg/m ³	V0
Calcium	0.013042	0.021464	µg/m ³	V0
Titanium	0.000031	0.000781	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000750	µg/m ³	V0
Manganese	0.000028	0.000343	µg/m ³	V0
Iron	0.001585	0.034078	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000220	µg/m ³	V0
Copper	0.000027	0.000085	µg/m ³	V0
Zinc	0.000149	0.001336	µg/m ³	V0
Arsenic	0.000005	0.000013	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000016	µg/m ³	V0
Strontium	0.000012	0.000093	µg/m ³	V0
Niobium	0.000006	0.000096	µg/m ³	V0
Molybdenum	0.000025	0.000042	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000177	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000470	µg/m ³	V0
Tungsten	0.000005	0.000062	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000032	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004874
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.4	°C	
Pressure		708.2	mmHg	
Particulate Matter	0.042	13.208	µg/m ³	V0
Lithium	0.000016	0.000287	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.071059	µg/m ³	V0
Magnesium	0.000279	0.164389	µg/m ³	V0
Aluminum	0.002800	0.321662	µg/m ³	V0
Silicon	0.010200	1.628191	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.120138	µg/m ³	V0
Calcium	0.013042	0.743592	µg/m ³	V0
Titanium	0.000031	0.012235	µg/m ³	V0
Vanadium	0.000018	0.001635	µg/m ³	V0
Chromium	0.000045	0.001191	µg/m ³	V0
Manganese	0.000028	0.007395	µg/m ³	V0
Iron	0.001585	0.330591	µg/m ³	V0
Cobalt	0.000005	0.000203	µg/m ³	V0
Nickel	0.000015	0.000601	µg/m ³	V0
Copper	0.000027	0.000537	µg/m ³	V0
Zinc	0.000149	0.003452	µg/m ³	V0
Arsenic	0.000005	0.000114	µg/m ³	V0
Selenium	0.000133	0.000134	µg/m ³	V0
Rubidium	0.000003	0.000521	µg/m ³	V0
Strontium	0.000012	0.001946	µg/m ³	V0
Niobium	0.000006	0.000100	µg/m ³	V0
Molybdenum	0.000025	0.000198	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000074	µg/m ³	V0
Tin	0.000008	0.000244	µg/m ³	V0
Antimony	0.000016	0.000238	µg/m ³	V0
Cesium	0.000004	0.000021	µg/m ³	V0
Barium	0.000054	0.004657	µg/m ³	V0
Lanthanum	0.000004	0.000201	µg/m ³	V0
Cerium	0.000013	0.000422	µg/m ³	V0
Praseodymium	0.000002	0.000049	µg/m ³	V0
Neodymium	0.000005	0.000185	µg/m ³	V0
Samarium	0.000006	0.000034	µg/m ³	V0
Tantalum	0.000003	0.000337	µg/m ³	V0
Tungsten	0.000005	0.000083	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000304	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000070	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004880
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.9	°C	
Pressure		716.0	mmHg	
Particulate Matter	0.042	10.375	µg/m ³	V0
Lithium	0.000016	0.000250	µg/m ³	V0
Beryllium	0.000013	0.000027	µg/m ³	V0
Sodium	0.000777	0.022902	µg/m ³	V0
Magnesium	0.000279	0.100939	µg/m ³	V0
Aluminum	0.002800	0.145609	µg/m ³	V0
Silicon	0.010200	1.714078	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.040436	µg/m ³	V0
Calcium	0.013042	0.147745	µg/m ³	V0
Titanium	0.000031	0.003547	µg/m ³	V0
Vanadium	0.000018	0.000552	µg/m ³	V0
Chromium	0.000045	0.000705	µg/m ³	V0
Manganese	0.000028	0.001878	µg/m ³	V0
Iron	0.001585	0.076607	µg/m ³	V0
Cobalt	0.000005	0.000093	µg/m ³	V0
Nickel	0.000015	0.000374	µg/m ³	V0
Copper	0.000027	0.000557	µg/m ³	V0
Zinc	0.000149	0.001600	µg/m ³	V0
Arsenic	0.000005	0.000192	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000220	µg/m ³	V0
Strontium	0.000012	0.000513	µg/m ³	V0
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	0.000123	µg/m ³	V0
Palladium	0.000050	0.000390	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000049	µg/m ³	V0
Tin	0.000008	0.000172	µg/m ³	V0
Antimony	0.000016	0.000183	µg/m ³	V0
Cesium	0.000004	0.000042	µg/m ³	V0
Barium	0.000054	0.001398	µg/m ³	V0
Lanthanum	0.000004	0.000076	µg/m ³	V0
Cerium	0.000013	0.000139	µg/m ³	V0
Praseodymium	0.000002	0.000037	µg/m ³	V0
Neodymium	0.000005	0.000072	µg/m ³	V0
Samarium	0.000006	0.000029	µg/m ³	V0
Tantalum	0.000003	0.000584	µg/m ³	V0
Tungsten	0.000005	0.000121	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000920	µg/m ³	V4
Lead	0.000018	0.000103	µg/m ³	V0
Bismuth	0.000004	0.000156	µg/m ³	V0
Thorium	0.000002	0.000107	µg/m ³	V0
Uranium	0.000003	0.000025	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004887
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.8	°C	
Pressure		713.8	mmHg	
Particulate Matter	0.042	8.000	µg/m ³	V0
Lithium	0.000016	0.000109	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.024176	µg/m ³	V0
Magnesium	0.000279	0.092915	µg/m ³	V0
Aluminum	0.002800	0.130338	µg/m ³	V0
Silicon	0.010200	1.478049	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.047752	µg/m ³	V0
Calcium	0.013042	0.148592	µg/m ³	V0
Titanium	0.000031	0.003045	µg/m ³	V0
Vanadium	0.000018	0.000054	µg/m ³	V0
Chromium	0.000045	0.000514	µg/m ³	V0
Manganese	0.000028	0.001547	µg/m ³	V0
Iron	0.001585	0.069144	µg/m ³	V0
Cobalt	0.000005	0.000062	µg/m ³	V0
Nickel	0.000015	0.000258	µg/m ³	V0
Copper	0.000027	0.000301	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000142	µg/m ³	V0
Strontium	0.000012	0.000409	µg/m ³	V0
Niobium	0.000006	0.000069	µg/m ³	V0
Molybdenum	0.000025	0.000053	µg/m ³	V0
Palladium	0.000050	0.000127	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000170	µg/m ³	V0
Antimony	0.000016	0.000037	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.000564	µg/m ³	V0
Lanthanum	0.000004	0.000053	µg/m ³	V0
Cerium	0.000013	0.000111	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000053	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000339	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000152	µg/m ³	V0
Lead	0.000018	0.000128	µg/m ³	V0
Bismuth	0.000004	0.000025	µg/m ³	V0
Thorium	0.000002	0.000019	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221004896
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

Power outage resulted in short sampling duration and low sample volume

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.8	m ³	V6
Temperature		2.4	°C	
Pressure		737.9	mmHg	
Particulate Matter	0.042	5.252	µg/m ³	V0
Lithium	0.000016	0.000174	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.023705	µg/m ³	V0
Magnesium	0.000279	0.033538	µg/m ³	V0
Aluminum	0.002800	0.149511	µg/m ³	V0
Silicon	0.010200	0.099648	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.038226	µg/m ³	V0
Calcium	0.013042	0.092870	µg/m ³	V0
Titanium	0.000031	0.004500	µg/m ³	V0
Vanadium	0.000018	0.000022	µg/m ³	V0
Chromium	0.000045	0.001172	µg/m ³	V0
Manganese	0.000028	0.001447	µg/m ³	V0
Iron	0.001585	0.059007	µg/m ³	V0
Cobalt	0.000005	0.000064	µg/m ³	V0
Nickel	0.000015	0.000512	µg/m ³	V0
Copper	0.000027	0.000659	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000037	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000169	µg/m ³	V0
Strontium	0.000012	0.000453	µg/m ³	V0
Niobium	0.000006	0.000046	µg/m ³	V0
Molybdenum	0.000025	0.000078	µg/m ³	V0
Palladium	0.000050	0.000113	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000181	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.000637	µg/m ³	V0
Lanthanum	0.000004	0.000075	µg/m ³	V0
Cerium	0.000013	0.000155	µg/m ³	V0
Praseodymium	0.000002	0.000018	µg/m ³	V0
Neodymium	0.000005	0.000058	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.000133	µg/m ³	V0
Tungsten	0.000005	0.000051	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000074	µg/m ³	V0
Lead	0.000018	0.000057	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221004898
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.0	°C	
Pressure		732.3	mmHg	
Particulate Matter	0.042	24.083	µg/m ³	V0
Lithium	0.000016	0.000996	µg/m ³	V0
Beryllium	0.000013	0.000029	µg/m ³	V0
Sodium	0.000777	0.079289	µg/m ³	V0
Magnesium	0.000279	0.160099	µg/m ³	V0
Aluminum	0.002800	0.756784	µg/m ³	V0
Silicon	0.010200	1.509608	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.185533	µg/m ³	V0
Calcium	0.013042	0.906882	µg/m ³	V0
Titanium	0.000031	0.028267	µg/m ³	V0
Vanadium	0.000018	0.002034	µg/m ³	V0
Chromium	0.000045	0.001064	µg/m ³	V0
Manganese	0.000028	0.009395	µg/m ³	V0
Iron	0.001585	0.506951	µg/m ³	V0
Cobalt	0.000005	0.000347	µg/m ³	V0
Nickel	0.000015	0.000656	µg/m ³	V0
Copper	0.000027	0.000625	µg/m ³	V0
Zinc	0.000149	0.001061	µg/m ³	V0
Arsenic	0.000005	0.000097	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001110	µg/m ³	V0
Strontium	0.000012	0.003007	µg/m ³	V0
Niobium	0.000006	0.000142	µg/m ³	V0
Molybdenum	0.000025	0.000197	µg/m ³	V0
Palladium	0.000050	0.000083	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000202	µg/m ³	V0
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	0.000058	µg/m ³	V0
Barium	0.000054	0.005790	µg/m ³	V0
Lanthanum	0.000004	0.000380	µg/m ³	V0
Cerium	0.000013	0.000821	µg/m ³	V0
Praseodymium	0.000002	0.000096	µg/m ³	V0
Neodymium	0.000005	0.000380	µg/m ³	V0
Samarium	0.000006	0.000070	µg/m ³	V0
Tantalum	0.000003	0.000303	µg/m ³	V0
Tungsten	0.000005	0.000095	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.000284	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000117	µg/m ³	V0
Uranium	0.000003	0.000032	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221004905
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.2	°C	
Pressure		737.8	mmHg	
Particulate Matter	0.042	9.750	µg/m ³	V0
Lithium	0.000016	0.000172	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.034055	µg/m ³	V0
Magnesium	0.000279	0.128842	µg/m ³	V0
Aluminum	0.002800	0.166859	µg/m ³	V0
Silicon	0.010200	2.019828	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.071288	µg/m ³	V0
Calcium	0.013042	0.243953	µg/m ³	V0
Titanium	0.000031	0.005909	µg/m ³	V0
Vanadium	0.000018	0.000772	µg/m ³	V0
Chromium	0.000045	0.000596	µg/m ³	V0
Manganese	0.000028	0.002748	µg/m ³	V0
Iron	0.001585	0.115818	µg/m ³	V0
Cobalt	0.000005	0.000103	µg/m ³	V0
Nickel	0.000015	0.000258	µg/m ³	V0
Copper	0.000027	0.000397	µg/m ³	V0
Zinc	0.000149	0.002345	µg/m ³	V0
Arsenic	0.000005	0.000055	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000256	µg/m ³	V0
Strontium	0.000012	0.000765	µg/m ³	V0
Niobium	0.000006	0.000077	µg/m ³	V0
Molybdenum	0.000025	0.000119	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000221	µg/m ³	V0
Antimony	0.000016	0.000190	µg/m ³	V0
Cesium	0.000004	0.000012	µg/m ³	V0
Barium	0.000054	0.002141	µg/m ³	V0
Lanthanum	0.000004	0.000089	µg/m ³	V0
Cerium	0.000013	0.000190	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000080	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000309	µg/m ³	V0
Tungsten	0.000005	0.000091	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000107	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000022	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 221004917
Start Date:	2022-10-14 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-10-15 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.9	°C	
Pressure		726.2	mmHg	
Particulate Matter	0.042	8.292	µg/m ³	V0
Lithium	0.000016	0.000115	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.026353	µg/m ³	V0
Magnesium	0.000279	0.108049	µg/m ³	V0
Aluminum	0.002800	0.119253	µg/m ³	V0
Silicon	0.010200	2.085040	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.061472	µg/m ³	V0
Calcium	0.013042	0.126679	µg/m ³	V0
Titanium	0.000031	0.004001	µg/m ³	V0
Vanadium	0.000018	0.001311	µg/m ³	V0
Chromium	0.000045	0.000528	µg/m ³	V0
Manganese	0.000028	0.001659	µg/m ³	V0
Iron	0.001585	0.077381	µg/m ³	V0
Cobalt	0.000005	0.000074	µg/m ³	V0
Nickel	0.000015	0.000339	µg/m ³	V0
Copper	0.000027	0.000289	µg/m ³	V0
Zinc	0.000149	0.001181	µg/m ³	V0
Arsenic	0.000005	0.000042	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000153	µg/m ³	V0
Strontium	0.000012	0.000450	µg/m ³	V0
Niobium	0.000006	0.000075	µg/m ³	V0
Molybdenum	0.000025	0.000213	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000188	µg/m ³	V0
Antimony	0.000016	0.000073	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000920	µg/m ³	V0
Lanthanum	0.000004	0.000064	µg/m ³	V0
Cerium	0.000013	0.000143	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000056	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000340	µg/m ³	V0
Tungsten	0.000005	0.000056	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000094	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221004923
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.1	°C	
Pressure		735.1	mmHg	
Particulate Matter	0.042	0.958	µg/m ³	V0
Lithium	0.000016	0.000031	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.026815	µg/m ³	V0
Magnesium	0.000279	0.008720	µg/m ³	V0
Aluminum	0.002800	0.051760	µg/m ³	V0
Silicon	0.010200	0.061821	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.016182	µg/m ³	V0
Calcium	0.013042	0.032777	µg/m ³	V0
Titanium	0.000031	0.001294	µg/m ³	V0
Vanadium	0.000018	0.001345	µg/m ³	V0
Chromium	0.000045	0.000728	µg/m ³	V0
Manganese	0.000028	0.000515	µg/m ³	V0
Iron	0.001585	0.019865	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000282	µg/m ³	V0
Copper	0.000027	0.000201	µg/m ³	V0
Zinc	0.000149	0.000581	µg/m ³	V0
Arsenic	0.000005	0.000016	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000047	µg/m ³	V0
Strontium	0.000012	0.000108	µg/m ³	V0
Niobium	0.000006	0.000059	µg/m ³	V0
Molybdenum	0.000025	0.000250	µg/m ³	V0
Palladium	0.000050	0.000072	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000129	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000015	µg/m ³	V0
Cerium	0.000013	0.000034	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000287	µg/m ³	V0
Tungsten	0.000005	0.000063	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000070	µg/m ³	V0
Lead	0.000018	0.000069	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221004926
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.9	°C	
Pressure		731.9	mmHg	
Particulate Matter	0.042	22.417	µg/m ³	V0
Lithium	0.000016	0.001190	µg/m ³	V0
Beryllium	0.000013	0.000036	µg/m ³	V0
Sodium	0.000777	0.099220	µg/m ³	V0
Magnesium	0.000279	0.155104	µg/m ³	V0
Aluminum	0.002800	0.940092	µg/m ³	V0
Silicon	0.010200	2.275011	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.223809	µg/m ³	V0
Calcium	0.013042	0.322479	µg/m ³	V0
Titanium	0.000031	0.034933	µg/m ³	V0
Vanadium	0.000018	0.002890	µg/m ³	V0
Chromium	0.000045	0.001232	µg/m ³	V0
Manganese	0.000028	0.007706	µg/m ³	V0
Iron	0.001585	0.478962	µg/m ³	V0
Cobalt	0.000005	0.000376	µg/m ³	V0
Nickel	0.000015	0.000646	µg/m ³	V0
Copper	0.000027	0.004153	µg/m ³	V0
Zinc	0.000149	0.002113	µg/m ³	V0
Arsenic	0.000005	0.000117	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001324	µg/m ³	V0
Strontium	0.000012	0.002779	µg/m ³	V0
Niobium	0.000006	0.000168	µg/m ³	V0
Molybdenum	0.000025	0.000223	µg/m ³	V0
Palladium	0.000050	0.000106	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000153	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	0.000079	µg/m ³	V0
Barium	0.000054	0.006859	µg/m ³	V0
Lanthanum	0.000004	0.000417	µg/m ³	V0
Cerium	0.000013	0.000917	µg/m ³	V0
Praseodymium	0.000002	0.000111	µg/m ³	V0
Neodymium	0.000005	0.000430	µg/m ³	V0
Samarium	0.000006	0.000081	µg/m ³	V0
Tantalum	0.000003	0.000341	µg/m ³	V0
Tungsten	0.000005	0.000131	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000054	µg/m ³	V0
Lead	0.000018	0.000333	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000138	µg/m ³	V0
Uranium	0.000003	0.000038	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004948	
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		733.8	mmHg	
Particulate Matter	0.042	17.208	µg/m ³	V0
Lithium	0.000016	0.000598	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.073390	µg/m ³	V0
Magnesium	0.000279	0.120716	µg/m ³	V0
Aluminum	0.002800	0.445924	µg/m ³	V0
Silicon	0.010200	1.276844	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.131872	µg/m ³	V0
Calcium	0.013042	0.558880	µg/m ³	V0
Titanium	0.000031	0.016999	µg/m ³	V0
Vanadium	0.000018	0.001587	µg/m ³	V0
Chromium	0.000045	0.001337	µg/m ³	V0
Manganese	0.000028	0.005516	µg/m ³	V0
Iron	0.001585	0.277218	µg/m ³	V0
Cobalt	0.000005	0.000253	µg/m ³	V0
Nickel	0.000015	0.000759	µg/m ³	V0
Copper	0.000027	0.000595	µg/m ³	V0
Zinc	0.000149	0.001484	µg/m ³	V0
Arsenic	0.000005	0.000171	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000688	µg/m ³	V0
Strontium	0.000012	0.001924	µg/m ³	V0
Niobium	0.000006	0.000132	µg/m ³	V0
Molybdenum	0.000025	0.000241	µg/m ³	V0
Palladium	0.000050	0.000091	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000240	µg/m ³	V0
Antimony	0.000016	0.000159	µg/m ³	V0
Cesium	0.000004	0.000039	µg/m ³	V0
Barium	0.000054	0.003572	µg/m ³	V0
Lanthanum	0.000004	0.000224	µg/m ³	V0
Cerium	0.000013	0.000483	µg/m ³	V0
Praseodymium	0.000002	0.000057	µg/m ³	V0
Neodymium	0.000005	0.000215	µg/m ³	V0
Samarium	0.000006	0.000041	µg/m ³	V0
Tantalum	0.000003	0.000404	µg/m ³	V0
Tungsten	0.000005	0.000104	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000052	µg/m ³	V0
Lead	0.000018	0.000285	µg/m ³	V0
Bismuth	0.000004	0.000020	µg/m ³	V0
Thorium	0.000002	0.000068	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 221004957
Start Date:	2022-10-17 10:00	End Date:	2022-10-17 10:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	0.083	µg/m ³	V0
Lithium	0.000016	0.000046	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.001345	µg/m ³	V0
Aluminum	0.002800	0.002902	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.011564	µg/m ³	V0
Calcium	0.013042	0.018152	µg/m ³	V0
Titanium	0.000031	0.000190	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000393	µg/m ³	V0
Manganese	0.000028	0.000049	µg/m ³	V0
Iron	0.001585	0.003829	µg/m ³	V0
Cobalt	0.000005	0.000012	µg/m ³	V0
Nickel	0.000015	0.000139	µg/m ³	V0
Copper	0.000027	0.000041	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000008	µg/m ³	V0
Strontium	0.000012	0.000018	µg/m ³	V0
Niobium	0.000006	0.000048	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000142	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000213	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000273	µg/m ³	V0
Tungsten	0.000005	0.000034	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000136	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004959
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.8	°C	
Pressure		717.6	mmHg	
Particulate Matter	0.042	9.917	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.002636	µg/m ³	V0
Aluminum	0.002800	0.008305	µg/m ³	V0
Silicon	0.010200	0.328468	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001171	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000006	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000034	µg/m ³	V0
Tungsten	0.000005	0.000016	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221004967
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.5	°C	
Pressure		725.9	mmHg	
Particulate Matter	0.042	11.000	µg/m ³	V0
Lithium	0.000016	0.000709	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.066763	µg/m ³	V0
Magnesium	0.000279	0.146717	µg/m ³	V0
Aluminum	0.002800	0.410161	µg/m ³	V0
Silicon	0.010200	2.067224	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.105607	µg/m ³	V0
Calcium	0.013042	0.189693	µg/m ³	V0
Titanium	0.000031	0.014219	µg/m ³	V0
Vanadium	0.000018	0.000708	µg/m ³	V0
Chromium	0.000045	0.000915	µg/m ³	V0
Manganese	0.000028	0.004576	µg/m ³	V0
Iron	0.001585	0.168218	µg/m ³	V0
Cobalt	0.000005	0.000173	µg/m ³	V0
Nickel	0.000015	0.000350	µg/m ³	V0
Copper	0.000027	0.000288	µg/m ³	V0
Zinc	0.000149	0.001283	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000554	µg/m ³	V0
Strontium	0.000012	0.001125	µg/m ³	V0
Niobium	0.000006	0.000135	µg/m ³	V0
Molybdenum	0.000025	0.000098	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000015	µg/m ³	V0
Cadmium	0.000011	0.000039	µg/m ³	V0
Tin	0.000008	0.000203	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	0.000030	µg/m ³	V0
Barium	0.000054	0.002794	µg/m ³	V0
Lanthanum	0.000004	0.000177	µg/m ³	V0
Cerium	0.000013	0.000381	µg/m ³	V0
Praseodymium	0.000002	0.000044	µg/m ³	V0
Neodymium	0.000005	0.000172	µg/m ³	V0
Samarium	0.000006	0.000033	µg/m ³	V0
Tantalum	0.000003	0.000371	µg/m ³	V0
Tungsten	0.000005	0.000128	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000150	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000054	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221004970
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.1	°C	
Pressure		723.0	mmHg	
Particulate Matter	0.042	7.625	µg/m ³	V0
Lithium	0.000016	0.000207	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.038862	µg/m ³	V0
Magnesium	0.000279	0.107655	µg/m ³	V0
Aluminum	0.002800	0.175063	µg/m ³	V0
Silicon	0.010200	1.601021	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.055500	µg/m ³	V0
Calcium	0.013042	0.114779	µg/m ³	V0
Titanium	0.000031	0.005521	µg/m ³	V0
Vanadium	0.000018	0.000087	µg/m ³	V0
Chromium	0.000045	0.000701	µg/m ³	V0
Manganese	0.000028	0.002733	µg/m ³	V0
Iron	0.001585	0.093834	µg/m ³	V0
Cobalt	0.000005	0.000086	µg/m ³	V0
Nickel	0.000015	0.000197	µg/m ³	V0
Copper	0.000027	0.000357	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000243	µg/m ³	V0
Strontium	0.000012	0.000594	µg/m ³	V0
Niobium	0.000006	0.000143	µg/m ³	V0
Molybdenum	0.000025	0.000142	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000060	µg/m ³	V0
Cadmium	0.000011	0.000036	µg/m ³	V0
Tin	0.000008	0.000147	µg/m ³	V0
Antimony	0.000016	0.000028	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.001766	µg/m ³	V0
Lanthanum	0.000004	0.000079	µg/m ³	V0
Cerium	0.000013	0.000163	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000076	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000488	µg/m ³	V0
Tungsten	0.000005	0.000238	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000099	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000021	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004987	
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.2	°C	
Pressure		724.5	mmHg	
Particulate Matter	0.042	11.917	µg/m ³	V0
Lithium	0.000016	0.000289	µg/m ³	V0
Beryllium	0.000013	0.000018	µg/m ³	V0
Sodium	0.000777	0.024072	µg/m ³	V0
Magnesium	0.000279	0.040055	µg/m ³	V0
Aluminum	0.002800	0.185188	µg/m ³	V0
Silicon	0.010200	0.497534	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.053950	µg/m ³	V0
Calcium	0.013042	0.111314	µg/m ³	V0
Titanium	0.000031	0.005609	µg/m ³	V0
Vanadium	0.000018	0.000098	µg/m ³	V0
Chromium	0.000045	0.000409	µg/m ³	V0
Manganese	0.000028	0.002120	µg/m ³	V0
Iron	0.001585	0.079093	µg/m ³	V0
Cobalt	0.000005	0.000073	µg/m ³	V0
Nickel	0.000015	0.000093	µg/m ³	V0
Copper	0.000027	0.000123	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000017	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000263	µg/m ³	V0
Strontium	0.000012	0.000545	µg/m ³	V0
Niobium	0.000006	0.000037	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000110	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000016	µg/m ³	V0
Tin	0.000008	0.000173	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.001044	µg/m ³	V0
Lanthanum	0.000004	0.000097	µg/m ³	V0
Cerium	0.000013	0.000198	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000089	µg/m ³	V0
Samarium	0.000006	0.000019	µg/m ³	V0
Tantalum	0.000003	0.000123	µg/m ³	V0
Tungsten	0.000005	0.000024	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000076	µg/m ³	V0
Lead	0.000018	0.000080	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000033	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005000
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.7	°C	
Pressure		702.0	mmHg	
Particulate Matter	0.042	5.167	µg/m ³	V0
Lithium	0.000016	0.000138	µg/m ³	V0
Beryllium	0.000013	0.000013	µg/m ³	V0
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.006592	µg/m ³	V0
Aluminum	0.002800	0.013048	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.175122	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002958	µg/m ³	V0
Arsenic	0.000005	0.000058	µg/m ³	V0
Selenium	0.000133	0.000216	µg/m ³	V0
Rubidium	0.000003	0.000015	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000060	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000007	µg/m ³	V0
Tungsten	0.000005	0.000016	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005006
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.9	°C	
Pressure		709.1	mmHg	
Particulate Matter	0.042	5.833	µg/m ³	V0
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	3.659087	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.003435	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000009	µg/m ³	V0
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005012	
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.1	°C	
Pressure		706.3	mmHg	
Particulate Matter	0.042	7.750	µg/m ³	V0
Lithium	0.000016	0.000091	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.003904	µg/m ³	V0
Aluminum	0.002800	0.010179	µg/m ³	V0
Silicon	0.010200	0.089852	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.114831	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	0.000012	µg/m ³	V0
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001419	µg/m ³	V0
Arsenic	0.000005	0.000049	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000011	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000073	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000022	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000007	µg/m ³	V0
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	0.000005	µg/m ³	V0
Thallium	0.000005	0.000033	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort Chipewyan	Loc ID:	FTCH
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00
		Set Index:	1
		WBEA ID:	221005021
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.2	°C	
Pressure		727.1	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Lithium	0.000016	0.000092	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.026926	µg/m ³	V0
Magnesium	0.000279	0.095169	µg/m ³	V0
Aluminum	0.002800	0.141653	µg/m ³	V0
Silicon	0.010200	1.531926	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.046987	µg/m ³	V0
Calcium	0.013042	0.070515	µg/m ³	V0
Titanium	0.000031	0.004095	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001385	µg/m ³	V0
Manganese	0.000028	0.001347	µg/m ³	V0
Iron	0.001585	0.057479	µg/m ³	V0
Cobalt	0.000005	0.000080	µg/m ³	V0
Nickel	0.000015	0.000487	µg/m ³	V0
Copper	0.000027	0.000240	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000016	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000155	µg/m ³	V0
Strontium	0.000012	0.000438	µg/m ³	V0
Niobium	0.000006	0.000086	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	0.000134	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000017	µg/m ³	V0
Tin	0.000008	0.000116	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.001133	µg/m ³	V0
Lanthanum	0.000004	0.000096	µg/m ³	V0
Cerium	0.000013	0.000202	µg/m ³	V0
Praseodymium	0.000002	0.000025	µg/m ³	V0
Neodymium	0.000005	0.000078	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000417	µg/m ³	V0
Tungsten	0.000005	0.000060	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000172	µg/m ³	V0
Lead	0.000018	0.000077	µg/m ³	V0
Bismuth	0.000004	0.000030	µg/m ³	V0
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221005028
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		723.1	mmHg	
Particulate Matter	0.042	34.292	µg/m ³	V0
Lithium	0.000016	0.003225	µg/m ³	V0
Beryllium	0.000013	0.000091	µg/m ³	V0
Sodium	0.000777	0.301713	µg/m ³	V0
Magnesium	0.000279	0.353295	µg/m ³	V0
Aluminum	0.002800	2.259626	µg/m ³	V0
Silicon	0.010200	2.317105	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.484508	µg/m ³	V0
Calcium	0.013042	0.628435	µg/m ³	V0
Titanium	0.000031	0.071956	µg/m ³	V0
Vanadium	0.000018	0.007436	µg/m ³	V0
Chromium	0.000045	0.002059	µg/m ³	V0
Manganese	0.000028	0.017558	µg/m ³	V0
Iron	0.001585	1.006589	µg/m ³	V0
Cobalt	0.000005	0.000824	µg/m ³	V0
Nickel	0.000015	0.001507	µg/m ³	V0
Copper	0.000027	0.000908	µg/m ³	V0
Zinc	0.000149	0.003146	µg/m ³	V0
Arsenic	0.000005	0.000185	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.003222	µg/m ³	V0
Strontium	0.000012	0.006169	µg/m ³	V0
Niobium	0.000006	0.000307	µg/m ³	V0
Molybdenum	0.000025	0.000415	µg/m ³	V0
Palladium	0.000050	0.000110	µg/m ³	V0
Silver	0.000006	0.000025	µg/m ³	V0
Cadmium	0.000011	0.000068	µg/m ³	V0
Tin	0.000008	0.000400	µg/m ³	V0
Antimony	0.000016	0.000027	µg/m ³	V0
Cesium	0.000004	0.000183	µg/m ³	V0
Barium	0.000054	0.016743	µg/m ³	V0
Lanthanum	0.000004	0.000996	µg/m ³	V0
Cerium	0.000013	0.002173	µg/m ³	V0
Praseodymium	0.000002	0.000258	µg/m ³	V0
Neodymium	0.000005	0.001020	µg/m ³	V0
Samarium	0.000006	0.000197	µg/m ³	V0
Tantalum	0.000003	0.000242	µg/m ³	V0
Tungsten	0.000005	0.000185	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000027	µg/m ³	V0
Lead	0.000018	0.000674	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000330	µg/m ³	V0
Uranium	0.000003	0.000078	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221005033
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.4	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	13.542	µg/m ³	V0
Lithium	0.000016	0.000177	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.036999	µg/m ³	V0
Magnesium	0.000279	0.063919	µg/m ³	V0
Aluminum	0.002800	0.136862	µg/m ³	V0
Silicon	0.010200	0.133342	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.056050	µg/m ³	V0
Calcium	0.013042	0.166983	µg/m ³	V0
Titanium	0.000031	0.005333	µg/m ³	V0
Vanadium	0.000018	0.000150	µg/m ³	V0
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	0.000090	µg/m ³	V0
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000034	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000211	µg/m ³	V0
Strontium	0.000012	0.000631	µg/m ³	V0
Niobium	0.000006	0.000079	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	0.000183	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000055	µg/m ³	V0
Tin	0.000008	0.000311	µg/m ³	V0
Antimony	0.000016	0.000120	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.002242	µg/m ³	V0
Lanthanum	0.000004	0.000062	µg/m ³	V0
Cerium	0.000013	0.000134	µg/m ³	V0
Praseodymium	0.000002	0.000016	µg/m ³	V0
Neodymium	0.000005	0.000061	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	-8888	µg/m ³	V1
Tungsten	0.000005	-8888	µg/m ³	V1
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000071	µg/m ³	V0
Lead	0.000018	0.000083	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000018	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 221005199
Start Date:	2022-10-24 14:50	End Date:	2022-10-24 14:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	-8888	µg/m ³	V1
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002836	µg/m ³	V0
Magnesium	0.000279	0.064604	µg/m ³	V0
Aluminum	0.002800	0.012289	µg/m ³	V0
Silicon	0.010200	0.978912	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.007784	µg/m ³	V0
Calcium	0.013042	0.024059	µg/m ³	V0
Titanium	0.000031	0.000344	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000399	µg/m ³	V0
Manganese	0.000028	0.000083	µg/m ³	V0
Iron	0.001585	0.007782	µg/m ³	V0
Cobalt	0.000005	0.000018	µg/m ³	V0
Nickel	0.000015	0.000119	µg/m ³	V0
Copper	0.000027	0.000722	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000015	µg/m ³	V0
Niobium	0.000006	0.000240	µg/m ³	V0
Molybdenum	0.000025	0.000215	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000157	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000304	µg/m ³	V0
Antimony	0.000016	0.000054	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000721	µg/m ³	V0
Tungsten	0.000005	0.000486	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000040	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221005078
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.5	°C	
Pressure		725.7	mmHg	
Particulate Matter	0.042	5.083	µg/m ³	V0
Lithium	0.000016	0.000035	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015659	µg/m ³	V0
Magnesium	0.000279	0.082093	µg/m ³	V0
Aluminum	0.002800	0.089677	µg/m ³	V0
Silicon	0.010200	1.507339	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.029584	µg/m ³	V0
Calcium	0.013042	0.088093	µg/m ³	V0
Titanium	0.000031	0.001660	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000509	µg/m ³	V0
Manganese	0.000028	0.000709	µg/m ³	V0
Iron	0.001585	0.038165	µg/m ³	V0
Cobalt	0.000005	0.000049	µg/m ³	V0
Nickel	0.000015	0.000204	µg/m ³	V0
Copper	0.000027	0.000143	µg/m ³	V0
Zinc	0.000149	0.000757	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000080	µg/m ³	V0
Strontium	0.000012	0.000229	µg/m ³	V0
Niobium	0.000006	0.000086	µg/m ³	V0
Molybdenum	0.000025	0.000057	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000230	µg/m ³	V0
Antimony	0.000016	0.000025	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000061	µg/m ³	V0
Cerium	0.000013	0.000053	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000025	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000389	µg/m ³	V0
Tungsten	0.000005	0.000102	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000048	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221005127
Start Date:	2022-10-26 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-10-27 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		724.4	mmHg	
Particulate Matter	0.042	6.750	µg/m ³	V0
Lithium	0.000016	0.000123	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018300	µg/m ³	V0
Magnesium	0.000279	0.029553	µg/m ³	V0
Aluminum	0.002800	0.134720	µg/m ³	V0
Silicon	0.010200	0.209766	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.032518	µg/m ³	V0
Calcium	0.013042	0.132817	µg/m ³	V0
Titanium	0.000031	0.003090	µg/m ³	V0
Vanadium	0.000018	0.000048	µg/m ³	V0
Chromium	0.000045	0.000882	µg/m ³	V0
Manganese	0.000028	0.001163	µg/m ³	V0
Iron	0.001585	0.063146	µg/m ³	V0
Cobalt	0.000005	0.000056	µg/m ³	V0
Nickel	0.000015	0.000320	µg/m ³	V0
Copper	0.000027	0.000220	µg/m ³	V0
Zinc	0.000149	0.000334	µg/m ³	V0
Arsenic	0.000005	0.000031	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000139	µg/m ³	V0
Strontium	0.000012	0.000386	µg/m ³	V0
Niobium	0.000006	0.000032	µg/m ³	V0
Molybdenum	0.000025	0.000049	µg/m ³	V0
Palladium	0.000050	0.000065	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000257	µg/m ³	V0
Antimony	0.000016	0.000030	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000426	µg/m ³	V0
Lanthanum	0.000004	0.000093	µg/m ³	V0
Cerium	0.000013	0.000102	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000045	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000119	µg/m ³	V0
Tungsten	0.000005	0.000038	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000067	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221005189
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.8	°C	
Pressure		727.8	mmHg	
Particulate Matter	0.042	3.333	µg/m ³	V0
Lithium	0.000016	0.000029	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004138	µg/m ³	V0
Magnesium	0.000279	0.004722	µg/m ³	V0
Aluminum	0.002800	0.024151	µg/m ³	V0
Silicon	0.010200	0.036430	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.026730	µg/m ³	V0
Calcium	0.013042	0.024210	µg/m ³	V0
Titanium	0.000031	0.001119	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000511	µg/m ³	V0
Manganese	0.000028	0.000259	µg/m ³	V0
Iron	0.001585	0.011257	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000249	µg/m ³	V0
Copper	0.000027	0.000090	µg/m ³	V0
Zinc	0.000149	0.000160	µg/m ³	V0
Arsenic	0.000005	0.000022	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000042	µg/m ³	V0
Strontium	0.000012	0.000074	µg/m ³	V0
Niobium	0.000006	0.000064	µg/m ³	V0
Molybdenum	0.000025	0.000041	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000064	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000020	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000313	µg/m ³	V0
Tungsten	0.000005	0.000059	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000017	µg/m ³	V0
Lead	0.000018	0.000032	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221005195
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.4	°C	
Pressure		717.2	mmHg	
Particulate Matter	0.042	4.125	µg/m ³	V0
Lithium	0.000016	0.000092	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007628	µg/m ³	V0
Magnesium	0.000279	0.012595	µg/m ³	V0
Aluminum	0.002800	0.023457	µg/m ³	V0
Silicon	0.010200	0.139281	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.018854	µg/m ³	V0
Calcium	0.013042	0.044749	µg/m ³	V0
Titanium	0.000031	0.001518	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000443	µg/m ³	V0
Manganese	0.000028	0.000388	µg/m ³	V0
Iron	0.001585	0.022521	µg/m ³	V0
Cobalt	0.000005	0.000027	µg/m ³	V0
Nickel	0.000015	0.000132	µg/m ³	V0
Copper	0.000027	0.000334	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000055	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000040	µg/m ³	V0
Strontium	0.000012	0.000117	µg/m ³	V0
Niobium	0.000006	0.000079	µg/m ³	V0
Molybdenum	0.000025	0.000060	µg/m ³	V0
Palladium	0.000050	0.000276	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000141	µg/m ³	V0
Antimony	0.000016	0.000076	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.000116	µg/m ³	V0
Lanthanum	0.000004	0.000025	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000400	µg/m ³	V0
Tungsten	0.000005	0.000092	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000361	µg/m ³	V0
Lead	0.000018	0.000071	µg/m ³	V0
Bismuth	0.000004	0.000044	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221005203
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.2	°C	
Pressure		729.1	mmHg	
Particulate Matter	0.042	8.083	µg/m ³	V0
Lithium	0.000016	0.000113	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.070105	µg/m ³	V0
Magnesium	0.000279	0.153012	µg/m ³	V0
Aluminum	0.002800	0.129424	µg/m ³	V0
Silicon	0.010200	1.590449	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.057080	µg/m ³	V0
Calcium	0.013042	0.304511	µg/m ³	V0
Titanium	0.000031	0.005927	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001235	µg/m ³	V0
Manganese	0.000028	0.003023	µg/m ³	V0
Iron	0.001585	0.168080	µg/m ³	V0
Cobalt	0.000005	0.000157	µg/m ³	V0
Nickel	0.000015	0.000479	µg/m ³	V0
Copper	0.000027	0.001610	µg/m ³	V0
Zinc	0.000149	0.007271	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000207	µg/m ³	V0
Strontium	0.000012	0.000947	µg/m ³	V0
Niobium	0.000006	0.000956	µg/m ³	V0
Molybdenum	0.000025	0.000923	µg/m ³	V0
Palladium	0.000050	0.000071	µg/m ³	V0
Silver	0.000006	0.000530	µg/m ³	V4
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000751	µg/m ³	V0
Antimony	0.000016	0.000893	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.005719	µg/m ³	V0
Lanthanum	0.000004	0.000099	µg/m ³	V0
Cerium	0.000013	0.000189	µg/m ³	V0
Praseodymium	0.000002	0.000018	µg/m ³	V0
Neodymium	0.000005	0.000072	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.009677	µg/m ³	V4
Tungsten	0.000005	0.006630	µg/m ³	V4
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000018	µg/m ³	V0
Lead	0.000018	0.000290	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000018	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Conklin	Samp Use: Exposure	WBEA ID: 221005216
Start Date:	2022-10-26 00:00	Loc ID: CONK	Duration: 24.0 hr
		End Date: 2022-10-27 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.5	°C	
Pressure		701.0	mmHg	
Particulate Matter	0.042	4.000	µg/m ³	V0
Lithium	0.000016	0.000076	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003945	µg/m ³	V0
Magnesium	0.000279	0.006772	µg/m ³	V0
Aluminum	0.002800	0.017648	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.034309	µg/m ³	V0
Calcium	0.013042	0.027594	µg/m ³	V0
Titanium	0.000031	0.000626	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000874	µg/m ³	V0
Manganese	0.000028	0.001131	µg/m ³	V0
Iron	0.001585	0.090625	µg/m ³	V0
Cobalt	0.000005	0.000056	µg/m ³	V0
Nickel	0.000015	0.000319	µg/m ³	V0
Copper	0.000027	0.000233	µg/m ³	V0
Zinc	0.000149	0.000287	µg/m ³	V0
Arsenic	0.000005	0.000066	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000076	µg/m ³	V0
Strontium	0.000012	0.000098	µg/m ³	V0
Niobium	0.000006	0.000044	µg/m ³	V0
Molybdenum	0.000025	0.000072	µg/m ³	V0
Palladium	0.000050	0.000121	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000028	µg/m ³	V0
Tin	0.000008	0.000103	µg/m ³	V0
Antimony	0.000016	0.000049	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000033	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000168	µg/m ³	V0
Tungsten	0.000005	0.000075	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000084	µg/m ³	V0
Lead	0.000018	0.000087	µg/m ³	V0
Bismuth	0.000004	0.000022	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005224
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.0	°C	
Pressure		708.7	mmHg	
Particulate Matter	0.042	3.208	µg/m ³	V0
Lithium	0.000016	0.000081	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007855	µg/m ³	V0
Magnesium	0.000279	0.012678	µg/m ³	V0
Aluminum	0.002800	0.030215	µg/m ³	V0
Silicon	0.010200	0.089598	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.076906	µg/m ³	V0
Calcium	0.013042	0.052923	µg/m ³	V0
Titanium	0.000031	0.001446	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001063	µg/m ³	V0
Manganese	0.000028	0.000612	µg/m ³	V0
Iron	0.001585	0.021798	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000507	µg/m ³	V0
Copper	0.000027	0.000174	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000040	µg/m ³	V0
Selenium	0.000133	0.000133	µg/m ³	V0
Rubidium	0.000003	0.000044	µg/m ³	V0
Strontium	0.000012	0.000117	µg/m ³	V0
Niobium	0.000006	0.000073	µg/m ³	V0
Molybdenum	0.000025	0.000050	µg/m ³	V0
Palladium	0.000050	0.000143	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000232	µg/m ³	V0
Antimony	0.000016	0.000109	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000035	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000358	µg/m ³	V0
Tungsten	0.000005	0.000101	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000158	µg/m ³	V0
Lead	0.000018	0.000121	µg/m ³	V0
Bismuth	0.000004	0.000021	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221005228
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.6	°C	
Pressure		722.8	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Lithium	0.000016	0.000097	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.019021	µg/m ³	V0
Magnesium	0.000279	0.089147	µg/m ³	V0
Aluminum	0.002800	0.144292	µg/m ³	V0
Silicon	0.010200	1.166942	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.037207	µg/m ³	V0
Calcium	0.013042	0.089070	µg/m ³	V0
Titanium	0.000031	0.004202	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000634	µg/m ³	V0
Manganese	0.000028	0.001081	µg/m ³	V0
Iron	0.001585	0.055458	µg/m ³	V0
Cobalt	0.000005	0.000059	µg/m ³	V0
Nickel	0.000015	0.000346	µg/m ³	V0
Copper	0.000027	0.000213	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000136	µg/m ³	V0
Strontium	0.000012	0.000336	µg/m ³	V0
Niobium	0.000006	0.000091	µg/m ³	V0
Molybdenum	0.000025	0.000164	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000030	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000223	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000235	µg/m ³	V0
Lanthanum	0.000004	0.000093	µg/m ³	V0
Cerium	0.000013	0.000086	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000038	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000300	µg/m ³	V0
Tungsten	0.000005	0.000144	µg/m ³	V0
Platinum	0.000004	-8888	µg/m ³	V1
Thallium	0.000005	0.000022	µg/m ³	V0
Lead	0.000018	0.000080	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005230
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.7	°C	
Pressure		705.7	mmHg	
Particulate Matter	0.042	2.042	µg/m ³	V0
Lithium	0.000016	0.000022	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.008091	µg/m ³	V0
Magnesium	0.000279	0.071368	µg/m ³	V0
Aluminum	0.002800	0.046030	µg/m ³	V0
Silicon	0.010200	1.298215	µg/m ³	V0
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	0.012108	µg/m ³	V0
Calcium	0.013042	0.047983	µg/m ³	V0
Titanium	0.000031	0.000975	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000492	µg/m ³	V0
Manganese	0.000028	0.000618	µg/m ³	V0
Iron	0.001585	0.028780	µg/m ³	V0
Cobalt	0.000005	0.000050	µg/m ³	V0
Nickel	0.000015	0.000208	µg/m ³	V0
Copper	0.000027	0.000173	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000034	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000056	µg/m ³	V0
Strontium	0.000012	0.000133	µg/m ³	V0
Niobium	0.000006	0.000073	µg/m ³	V0
Molybdenum	0.000025	0.000025	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000071	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000033	µg/m ³	V0
Cerium	0.000013	0.000038	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000382	µg/m ³	V0
Tungsten	0.000005	0.000107	µg/m ³	V0
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000038	µg/m ³	V0
Lead	0.000018	0.000085	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221005240
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.2	°C	
Pressure		731.0	mmHg	
Particulate Matter	0.042	20.875	µg/m ³	V0
Lithium	0.000016	0.000869	µg/m ³	V0
Beryllium	0.000013	0.000030	µg/m ³	V0
Sodium	0.000777	0.072852	µg/m ³	V0
Magnesium	0.000279	0.183176	µg/m ³	V0
Aluminum	0.002800	0.571146	µg/m ³	V0
Silicon	0.010200	1.794245	µg/m ³	V0
Phosphorus	0.003480	0.047505	µg/m ³	V0
Potassium	0.000402	0.151227	µg/m ³	V0
Calcium	0.013042	0.627119	µg/m ³	V0
Titanium	0.000031	0.027751	µg/m ³	V0
Vanadium	0.000018	0.002141	µg/m ³	V0
Chromium	0.000045	0.001214	µg/m ³	V0
Manganese	0.000028	0.010536	µg/m ³	V0
Iron	0.001585	0.614121	µg/m ³	V0
Cobalt	0.000005	0.000322	µg/m ³	V0
Nickel	0.000015	0.000638	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001797	µg/m ³	V0
Arsenic	0.000005	0.000058	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000850	µg/m ³	V0
Strontium	0.000012	0.002426	µg/m ³	V0
Niobium	0.000006	0.000320	µg/m ³	V0
Molybdenum	0.000025	0.000319	µg/m ³	V0
Palladium	0.000050	0.000074	µg/m ³	V0
Silver	0.000006	0.000068	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000287	µg/m ³	V0
Antimony	0.000016	0.000069	µg/m ³	V0
Cesium	0.000004	0.000042	µg/m ³	V0
Barium	0.000054	0.006510	µg/m ³	V0
Lanthanum	0.000004	0.000404	µg/m ³	V0
Cerium	0.000013	0.000854	µg/m ³	V0
Praseodymium	0.000002	0.000103	µg/m ³	V0
Neodymium	0.000005	0.000393	µg/m ³	V0
Samarium	0.000006	0.000074	µg/m ³	V0
Tantalum	0.000003	0.000883	µg/m ³	V0
Tungsten	0.000005	0.000663	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000256	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000115	µg/m ³	V0
Uranium	0.000003	0.000030	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005245
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.5	°C	
Pressure		714.6	mmHg	
Particulate Matter	0.042	3.250	µg/m ³	V0
Lithium	0.000016	0.000085	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.012676	µg/m ³	V0
Magnesium	0.000279	0.067827	µg/m ³	V0
Aluminum	0.002800	0.058384	µg/m ³	V0
Silicon	0.010200	0.393280	µg/m ³	V0
Phosphorus	0.003480	0.037875	µg/m ³	V0
Potassium	0.000402	0.001859	µg/m ³	V0
Calcium	0.013042	0.053460	µg/m ³	V0
Titanium	0.000031	0.001997	µg/m ³	V0
Vanadium	0.000018	0.000320	µg/m ³	V0
Chromium	0.000045	0.000512	µg/m ³	V0
Manganese	0.000028	0.000877	µg/m ³	V0
Iron	0.001585	0.032690	µg/m ³	V0
Cobalt	0.000005	0.000046	µg/m ³	V0
Nickel	0.000015	0.000249	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000128	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000067	µg/m ³	V0
Strontium	0.000012	0.000194	µg/m ³	V0
Niobium	0.000006	0.000099	µg/m ³	V0
Molybdenum	0.000025	0.000036	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000227	µg/m ³	V0
Antimony	0.000016	0.000064	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000540	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000067	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000030	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000588	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	0.000038	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	0.000062	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221005253
Start Date:	2022-11-01 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-11-02 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.4	°C	
Pressure		732.4	mmHg	
Particulate Matter	0.042	15.667	µg/m ³	V0
Lithium	0.000016	0.001196	µg/m ³	V0
Beryllium	0.000013	0.000039	µg/m ³	V0
Sodium	0.000777	0.073335	µg/m ³	V0
Magnesium	0.000279	0.187523	µg/m ³	V0
Aluminum	0.002800	0.701742	µg/m ³	V0
Silicon	0.010200	0.872439	µg/m ³	V0
Phosphorus	0.003480	0.044736	µg/m ³	V0
Potassium	0.000402	0.166676	µg/m ³	V0
Calcium	0.013042	0.945389	µg/m ³	V0
Titanium	0.000031	0.027581	µg/m ³	V0
Vanadium	0.000018	0.002227	µg/m ³	V0
Chromium	0.000045	0.001264	µg/m ³	V0
Manganese	0.000028	0.011429	µg/m ³	V0
Iron	0.001585	0.614050	µg/m ³	V0
Cobalt	0.000005	0.000368	µg/m ³	V0
Nickel	0.000015	0.000717	µg/m ³	V0
Copper	0.000027	0.000399	µg/m ³	V0
Zinc	0.000149	0.000977	µg/m ³	V0
Arsenic	0.000005	0.000171	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001037	µg/m ³	V0
Strontium	0.000012	0.002881	µg/m ³	V0
Niobium	0.000006	0.000175	µg/m ³	V0
Molybdenum	0.000025	0.000190	µg/m ³	V0
Palladium	0.000050	0.000215	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000225	µg/m ³	V0
Antimony	0.000016	0.000036	µg/m ³	V0
Cesium	0.000004	0.000059	µg/m ³	V0
Barium	0.000054	0.006343	µg/m ³	V0
Lanthanum	0.000004	0.000444	µg/m ³	V0
Cerium	0.000013	0.000965	µg/m ³	V0
Praseodymium	0.000002	0.000113	µg/m ³	V0
Neodymium	0.000005	0.000429	µg/m ³	V0
Samarium	0.000006	0.000082	µg/m ³	V0
Tantalum	0.000003	0.000510	µg/m ³	V0
Tungsten	0.000005	0.000154	µg/m ³	V0
Platinum	0.000004	0.000029	µg/m ³	V0
Thallium	0.000005	0.000111	µg/m ³	V0
Lead	0.000018	0.000297	µg/m ³	V0
Bismuth	0.000004	0.000031	µg/m ³	V0
Thorium	0.000002	0.000146	µg/m ³	V0
Uranium	0.000003	0.000036	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005268
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.0	°C	
Pressure		706.4	mmHg	
Particulate Matter	0.042	3.542	µg/m ³	V0
Lithium	0.000016	0.000107	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.019497	µg/m ³	V0
Magnesium	0.000279	0.088186	µg/m ³	V0
Aluminum	0.002800	0.089365	µg/m ³	V0
Silicon	0.010200	0.381871	µg/m ³	V0
Phosphorus	0.003480	0.040487	µg/m ³	V0
Potassium	0.000402	0.019629	µg/m ³	V0
Calcium	0.013042	0.192270	µg/m ³	V0
Titanium	0.000031	0.002782	µg/m ³	V0
Vanadium	0.000018	0.000401	µg/m ³	V0
Chromium	0.000045	0.000403	µg/m ³	V0
Manganese	0.000028	0.001292	µg/m ³	V0
Iron	0.001585	0.048550	µg/m ³	V0
Cobalt	0.000005	0.000054	µg/m ³	V0
Nickel	0.000015	0.000193	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000591	µg/m ³	V0
Arsenic	0.000005	0.000434	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000115	µg/m ³	V0
Strontium	0.000012	0.000422	µg/m ³	V0
Niobium	0.000006	0.000104	µg/m ³	V0
Molybdenum	0.000025	0.000042	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000245	µg/m ³	V0
Antimony	0.000016	0.000589	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000780	µg/m ³	V0
Lanthanum	0.000004	0.000044	µg/m ³	V0
Cerium	0.000013	0.000092	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000040	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000562	µg/m ³	V0
Tungsten	0.000005	0.000083	µg/m ³	V0
Platinum	0.000004	0.000031	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000130	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 221005277
Start Date:	2022-11-01 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2022-11-02 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.2	°C	
Pressure		730.4	mmHg	
Particulate Matter	0.042	14.750	µg/m ³	V0
Lithium	0.000016	0.001243	µg/m ³	V0
Beryllium	0.000013	0.000035	µg/m ³	V0
Sodium	0.000777	0.088378	µg/m ³	V0
Magnesium	0.000279	0.193455	µg/m ³	V0
Aluminum	0.002800	0.802481	µg/m ³	V0
Silicon	0.010200	0.994959	µg/m ³	V0
Phosphorus	0.003480	0.047739	µg/m ³	V0
Potassium	0.000402	0.179183	µg/m ³	V0
Calcium	0.013042	0.572114	µg/m ³	V0
Titanium	0.000031	0.031878	µg/m ³	V0
Vanadium	0.000018	0.002570	µg/m ³	V0
Chromium	0.000045	0.001276	µg/m ³	V0
Manganese	0.000028	0.010212	µg/m ³	V0
Iron	0.001585	0.599647	µg/m ³	V0
Cobalt	0.000005	0.000376	µg/m ³	V0
Nickel	0.000015	0.000626	µg/m ³	V0
Copper	0.000027	0.000650	µg/m ³	V0
Zinc	0.000149	0.001060	µg/m ³	V0
Arsenic	0.000005	0.000093	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001132	µg/m ³	V0
Strontium	0.000012	0.002674	µg/m ³	V0
Niobium	0.000006	0.000270	µg/m ³	V0
Molybdenum	0.000025	0.000269	µg/m ³	V0
Palladium	0.000050	0.000067	µg/m ³	V0
Silver	0.000006	0.000036	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000313	µg/m ³	V0
Antimony	0.000016	0.000057	µg/m ³	V0
Cesium	0.000004	0.000056	µg/m ³	V0
Barium	0.000054	0.007044	µg/m ³	V0
Lanthanum	0.000004	0.000430	µg/m ³	V0
Cerium	0.000013	0.000920	µg/m ³	V0
Praseodymium	0.000002	0.000112	µg/m ³	V0
Neodymium	0.000005	0.000452	µg/m ³	V0
Samarium	0.000006	0.000083	µg/m ³	V0
Tantalum	0.000003	0.000633	µg/m ³	V0
Tungsten	0.000005	0.000377	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000334	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000144	µg/m ³	V0
Uranium	0.000003	0.000034	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221005283
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.7	°C	
Pressure		733.5	mmHg	
Particulate Matter	0.042	22.708	µg/m ³	V0
Lithium	0.000016	0.001270	µg/m ³	V0
Beryllium	0.000013	0.000039	µg/m ³	V0
Sodium	0.000777	0.077559	µg/m ³	V0
Magnesium	0.000279	0.262311	µg/m ³	V0
Aluminum	0.002800	0.870118	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.046449	µg/m ³	V0
Potassium	0.000402	0.213668	µg/m ³	V0
Calcium	0.013042	2.088326	µg/m ³	V0
Titanium	0.000031	0.031921	µg/m ³	V0
Vanadium	0.000018	0.002477	µg/m ³	V0
Chromium	0.000045	0.001662	µg/m ³	V0
Manganese	0.000028	0.013805	µg/m ³	V0
Iron	0.001585	0.737067	µg/m ³	V0
Cobalt	0.000005	0.000464	µg/m ³	V0
Nickel	0.000015	0.001132	µg/m ³	V0
Copper	0.000027	0.000544	µg/m ³	V0
Zinc	0.000149	0.001093	µg/m ³	V0
Arsenic	0.000005	0.000041	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001330	µg/m ³	V0
Strontium	0.000012	0.004649	µg/m ³	V0
Niobium	0.000006	0.000166	µg/m ³	V0
Molybdenum	0.000025	0.000294	µg/m ³	V0
Palladium	0.000050	0.000058	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000377	µg/m ³	V0
Antimony	0.000016	0.000070	µg/m ³	V0
Cesium	0.000004	0.000063	µg/m ³	V0
Barium	0.000054	0.007801	µg/m ³	V0
Lanthanum	0.000004	0.000511	µg/m ³	V0
Cerium	0.000013	0.001100	µg/m ³	V0
Praseodymium	0.000002	0.000129	µg/m ³	V0
Neodymium	0.000005	0.000495	µg/m ³	V0
Samarium	0.000006	0.000091	µg/m ³	V0
Tantalum	0.000003	0.000280	µg/m ³	V0
Tungsten	0.000005	0.000149	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000380	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000162	µg/m ³	V0
Uranium	0.000003	0.000041	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Anzac	Loc ID:	ANZC
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00
		Set Index:	1
		WBEA ID:	221005288
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.8	°C	
Pressure		712.1	mmHg	
Particulate Matter	0.042	3.000	µg/m ³	V0
Lithium	0.000016	0.000084	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.011124	µg/m ³	V0
Magnesium	0.000279	0.019943	µg/m ³	V0
Aluminum	0.002800	0.041133	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.037626	µg/m ³	V0
Potassium	0.000402	0.000851	µg/m ³	V0
Calcium	0.013042	0.116999	µg/m ³	V0
Titanium	0.000031	0.001579	µg/m ³	V0
Vanadium	0.000018	0.000237	µg/m ³	V0
Chromium	0.000045	0.000326	µg/m ³	V0
Manganese	0.000028	0.000624	µg/m ³	V0
Iron	0.001585	0.021004	µg/m ³	V0
Cobalt	0.000005	0.000025	µg/m ³	V0
Nickel	0.000015	0.000099	µg/m ³	V0
Copper	0.000027	0.000181	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000045	µg/m ³	V0
Strontium	0.000012	0.000202	µg/m ³	V0
Niobium	0.000006	0.000101	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000060	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000170	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000355	µg/m ³	V0
Lanthanum	0.000004	0.000017	µg/m ³	V0
Cerium	0.000013	0.000036	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000662	µg/m ³	V0
Tungsten	0.000005	0.000056	µg/m ³	V0
Platinum	0.000004	0.000044	µg/m ³	V0
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000043	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 221005301
Start Date:	2022-11-01 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-11-02 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.2	°C	
Pressure		724.2	mmHg	
Particulate Matter	0.042	4.917	µg/m ³	V0
Lithium	0.000016	0.000127	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.025985	µg/m ³	V0
Magnesium	0.000279	0.043823	µg/m ³	V0
Aluminum	0.002800	0.096014	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.036475	µg/m ³	V0
Potassium	0.000402	0.032998	µg/m ³	V0
Calcium	0.013042	0.105838	µg/m ³	V0
Titanium	0.000031	0.003803	µg/m ³	V0
Vanadium	0.000018	0.000415	µg/m ³	V0
Chromium	0.000045	0.000624	µg/m ³	V0
Manganese	0.000028	0.001391	µg/m ³	V0
Iron	0.001585	0.075821	µg/m ³	V0
Cobalt	0.000005	0.000073	µg/m ³	V0
Nickel	0.000015	0.000294	µg/m ³	V0
Copper	0.000027	0.000698	µg/m ³	V0
Zinc	0.000149	0.003351	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000126	µg/m ³	V0
Strontium	0.000012	0.000477	µg/m ³	V0
Niobium	0.000006	0.000127	µg/m ³	V0
Molybdenum	0.000025	0.000132	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000292	µg/m ³	V0
Antimony	0.000016	0.000312	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.002706	µg/m ³	V0
Lanthanum	0.000004	0.000041	µg/m ³	V0
Cerium	0.000013	0.000098	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000036	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000743	µg/m ³	V0
Tungsten	0.000005	0.000259	µg/m ³	V0
Platinum	0.000004	0.000040	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000155	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000013	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221005305
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.5	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	7.542	µg/m ³	V0
Lithium	0.000016	0.000149	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.037435	µg/m ³	V0
Magnesium	0.000279	0.070849	µg/m ³	V0
Aluminum	0.002800	0.093691	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.039677	µg/m ³	V0
Potassium	0.000402	0.034033	µg/m ³	V0
Calcium	0.013042	0.200404	µg/m ³	V0
Titanium	0.000031	0.005867	µg/m ³	V0
Vanadium	0.000018	0.000540	µg/m ³	V0
Chromium	0.000045	0.000561	µg/m ³	V0
Manganese	0.000028	0.002080	µg/m ³	V0
Iron	0.001585	0.115446	µg/m ³	V0
Cobalt	0.000005	0.000119	µg/m ³	V0
Nickel	0.000015	0.000236	µg/m ³	V0
Copper	0.000027	0.000452	µg/m ³	V0
Zinc	0.000149	0.006297	µg/m ³	V0
Arsenic	0.000005	0.000032	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000165	µg/m ³	V0
Strontium	0.000012	0.000844	µg/m ³	V0
Niobium	0.000006	0.000136	µg/m ³	V0
Molybdenum	0.000025	0.000113	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000027	µg/m ³	V0
Tin	0.000008	0.000350	µg/m ³	V0
Antimony	0.000016	0.000329	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.004145	µg/m ³	V0
Lanthanum	0.000004	0.000090	µg/m ³	V0
Cerium	0.000013	0.000192	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000089	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000729	µg/m ³	V0
Tungsten	0.000005	0.000404	µg/m ³	V0
Platinum	0.000004	0.000042	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000173	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000021	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort Chipewyan	Loc ID:	FTCH
Start Date:	2022-11-01 15:00	End Date:	2022-11-02 15:00
		Set Index:	1
		WBEA ID:	221005296
		Duration:	24.0 hr

Notes

Sample set for wrong time. Redeployed to run from 15:00 MST on November 1st 2022 to 15:00 MST on November 2nd 2022.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-9.5	°C	
Pressure		743.1	mmHg	
Particulate Matter	0.042	1.375	µg/m ³	V6
Lithium	0.000016	0.000069	µg/m ³	V6
Beryllium	0.000013	0.000005	µg/m ³	V6
Sodium	0.000777	0.030447	µg/m ³	V6
Magnesium	0.000279	0.016488	µg/m ³	V6
Aluminum	0.002800	0.052185	µg/m ³	V6
Silicon	0.010200	0.000000	µg/m ³	V6
Phosphorus	0.003480	0.037002	µg/m ³	V6
Potassium	0.000402	0.003177	µg/m ³	V6
Calcium	0.013042	0.045011	µg/m ³	V6
Titanium	0.000031	0.001693	µg/m ³	V6
Vanadium	0.000018	0.000256	µg/m ³	V6
Chromium	0.000045	0.000971	µg/m ³	V6
Manganese	0.000028	0.000383	µg/m ³	V6
Iron	0.001585	0.017337	µg/m ³	V6
Cobalt	0.000005	0.000035	µg/m ³	V6
Nickel	0.000015	0.000257	µg/m ³	V6
Copper	0.000027	0.000000	µg/m ³	V6
Zinc	0.000149	0.002422	µg/m ³	V6
Arsenic	0.000005	0.000000	µg/m ³	V6
Selenium	0.000133	0.000000	µg/m ³	V6
Rubidium	0.000003	0.000047	µg/m ³	V6
Strontium	0.000012	0.001074	µg/m ³	V6
Niobium	0.000006	0.000123	µg/m ³	V6
Molybdenum	0.000025	0.000023	µg/m ³	V6
Palladium	0.000050	0.000022	µg/m ³	V6
Silver	0.000006	0.000000	µg/m ³	V6
Cadmium	0.000011	0.000008	µg/m ³	V6
Tin	0.000008	0.000325	µg/m ³	V6
Antimony	0.000016	0.000088	µg/m ³	V6
Cesium	0.000004	0.000003	µg/m ³	V6
Barium	0.000054	0.000476	µg/m ³	V6
Lanthanum	0.000004	0.000018	µg/m ³	V6
Cerium	0.000013	0.000037	µg/m ³	V6
Praseodymium	0.000002	0.000005	µg/m ³	V6
Neodymium	0.000005	0.000017	µg/m ³	V6
Samarium	0.000006	0.000003	µg/m ³	V6
Tantalum	0.000003	0.000732	µg/m ³	V6
Tungsten	0.000005	0.000066	µg/m ³	V6
Platinum	0.000004	0.000049	µg/m ³	V6
Thallium	0.000005	0.000003	µg/m ³	V6
Lead	0.000018	0.003383	µg/m ³	V4
Bismuth	0.000004	0.000004	µg/m ³	V6
Thorium	0.000002	0.000006	µg/m ³	V6
Uranium	0.000003	0.000002	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 221105354
Start Date:	2022-11-02 13:02	End Date:	2022-11-02 13:03	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000030	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003181	µg/m ³	V0
Magnesium	0.000279	0.002915	µg/m ³	V0
Aluminum	0.002800	0.006446	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.029077	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.013355	µg/m ³	V0
Titanium	0.000031	0.000413	µg/m ³	V0
Vanadium	0.000018	0.000168	µg/m ³	V0
Chromium	0.000045	0.000398	µg/m ³	V0
Manganese	0.000028	0.000045	µg/m ³	V0
Iron	0.001585	0.004156	µg/m ³	V0
Cobalt	0.000005	0.000011	µg/m ³	V0
Nickel	0.000015	0.000170	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000016	µg/m ³	V0
Niobium	0.000006	0.000051	µg/m ³	V0
Molybdenum	0.000025	0.000030	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000359	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000275	µg/m ³	V0
Tungsten	0.000005	0.000043	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 221105416
Start Date:	2022-11-04 14:10	End Date:	2022-11-04 14:11	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000045	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.002743	µg/m ³	V0
Magnesium	0.000279	0.054295	µg/m ³	V0
Aluminum	0.002800	0.009398	µg/m ³	V0
Silicon	0.010200	0.177884	µg/m ³	V0
Phosphorus	0.003480	0.035780	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.019076	µg/m ³	V0
Titanium	0.000031	0.000740	µg/m ³	V0
Vanadium	0.000018	0.000205	µg/m ³	V0
Chromium	0.000045	0.000192	µg/m ³	V0
Manganese	0.000028	0.000098	µg/m ³	V0
Iron	0.001585	0.005678	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000073	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000012	µg/m ³	V0
Niobium	0.000006	0.000085	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000193	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000491	µg/m ³	V0
Tungsten	0.000005	0.000058	µg/m ³	V0
Platinum	0.000004	0.000043	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105330
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		724.3	mmHg	
Particulate Matter	0.042	4.125	µg/m ³	V0
Lithium	0.000016	0.000110	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.072337	µg/m ³	V0
Magnesium	0.000279	0.032662	µg/m ³	V0
Aluminum	0.002800	0.079383	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.029620	µg/m ³	V0
Potassium	0.000402	0.014843	µg/m ³	V0
Calcium	0.013042	0.118290	µg/m ³	V0
Titanium	0.000031	0.002961	µg/m ³	V0
Vanadium	0.000018	0.000423	µg/m ³	V0
Chromium	0.000045	0.000668	µg/m ³	V0
Manganese	0.000028	0.000727	µg/m ³	V0
Iron	0.001585	0.032682	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000333	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002088	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000097	µg/m ³	V0
Strontium	0.000012	0.000350	µg/m ³	V0
Niobium	0.000006	0.000079	µg/m ³	V0
Molybdenum	0.000025	0.000057	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.000159	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000510	µg/m ³	V0
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	0.000072	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000030	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000379	µg/m ³	V0
Tungsten	0.000005	0.000070	µg/m ³	V0
Platinum	0.000004	0.000034	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000111	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105335
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		751.2	mmHg	
Particulate Matter	0.042	26.458	µg/m ³	V0
Lithium	0.000016	0.000435	µg/m ³	V0
Beryllium	0.000013	0.000031	µg/m ³	V0
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	0.005092	µg/m ³	V0
Aluminum	0.002800	0.009363	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.010019	µg/m ³	V0
Potassium	0.000402	0.434985	µg/m ³	V0
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	0.004905	µg/m ³	V0
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	-8888	µg/m ³	V1
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	0.000053	µg/m ³	V0
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	0.000027	µg/m ³	V0
Zinc	0.000149	0.010828	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	0.000512	µg/m ³	V0
Rubidium	0.000003	0.000033	µg/m ³	V0
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000117	µg/m ³	V0
Silver	0.000006	0.000031	µg/m ³	V0
Cadmium	0.000011	0.000037	µg/m ³	V0
Tin	0.000008	0.000014	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000108	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000089	µg/m ³	V0
Tungsten	0.000005	0.000102	µg/m ³	V0
Platinum	0.000004	0.000034	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105340	
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		733.5	mmHg	
Particulate Matter	0.042	6.167	µg/m ³	V0
Lithium	0.000016	0.000236	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.418847	µg/m ³	V0
Magnesium	0.000279	0.112813	µg/m ³	V0
Aluminum	0.002800	0.128603	µg/m ³	V0
Silicon	0.010200	0.632916	µg/m ³	V0
Phosphorus	0.003480	0.041043	µg/m ³	V0
Potassium	0.000402	0.034654	µg/m ³	V0
Calcium	0.013042	0.141416	µg/m ³	V0
Titanium	0.000031	0.005259	µg/m ³	V0
Vanadium	0.000018	0.000510	µg/m ³	V0
Chromium	0.000045	0.000738	µg/m ³	V0
Manganese	0.000028	0.002265	µg/m ³	V0
Iron	0.001585	0.079268	µg/m ³	V0
Cobalt	0.000005	0.000106	µg/m ³	V0
Nickel	0.000015	0.000327	µg/m ³	V0
Copper	0.000027	0.000728	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000117	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000204	µg/m ³	V0
Strontium	0.000012	0.000673	µg/m ³	V0
Niobium	0.000006	0.000090	µg/m ³	V0
Molybdenum	0.000025	0.000046	µg/m ³	V0
Palladium	0.000050	0.000104	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000205	µg/m ³	V0
Antimony	0.000016	0.000250	µg/m ³	V0
Cesium	0.000004	0.000012	µg/m ³	V0
Barium	0.000054	0.001522	µg/m ³	V0
Lanthanum	0.000004	0.000087	µg/m ³	V0
Cerium	0.000013	0.000191	µg/m ³	V0
Praseodymium	0.000002	0.000024	µg/m ³	V0
Neodymium	0.000005	0.000081	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000413	µg/m ³	V0
Tungsten	0.000005	0.000099	µg/m ³	V0
Platinum	0.000004	0.000037	µg/m ³	V0
Thallium	0.000005	0.000046	µg/m ³	V0
Lead	0.000018	0.000428	µg/m ³	V0
Bismuth	0.000004	0.000018	µg/m ³	V0
Thorium	0.000002	0.000031	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221105346
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		754.4	mmHg	
Particulate Matter	0.042	24.083	µg/m ³	V0
Lithium	0.000016	0.002113	µg/m ³	V0
Beryllium	0.000013	0.000048	µg/m ³	V0
Sodium	0.000777	0.124385	µg/m ³	V0
Magnesium	0.000279	0.273030	µg/m ³	V0
Aluminum	0.002800	1.222608	µg/m ³	V0
Silicon	0.010200	0.954547	µg/m ³	V0
Phosphorus	0.003480	0.044525	µg/m ³	V0
Potassium	0.000402	0.284698	µg/m ³	V0
Calcium	0.013042	1.211645	µg/m ³	V0
Titanium	0.000031	0.050721	µg/m ³	V0
Vanadium	0.000018	0.003901	µg/m ³	V0
Chromium	0.000045	0.001266	µg/m ³	V0
Manganese	0.000028	0.015650	µg/m ³	V0
Iron	0.001585	0.820379	µg/m ³	V0
Cobalt	0.000005	0.000577	µg/m ³	V0
Nickel	0.000015	0.000788	µg/m ³	V0
Copper	0.000027	0.000084	µg/m ³	V0
Zinc	0.000149	0.001827	µg/m ³	V0
Arsenic	0.000005	0.000182	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001824	µg/m ³	V0
Strontium	0.000012	0.004685	µg/m ³	V0
Niobium	0.000006	0.000912	µg/m ³	V0
Molybdenum	0.000025	0.000794	µg/m ³	V0
Palladium	0.000050	0.000090	µg/m ³	V0
Silver	0.000006	0.000324	µg/m ³	V4
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000479	µg/m ³	V0
Antimony	0.000016	0.000409	µg/m ³	V0
Cesium	0.000004	0.000093	µg/m ³	V0
Barium	0.000054	0.010470	µg/m ³	V0
Lanthanum	0.000004	0.000746	µg/m ³	V0
Cerium	0.000013	0.001614	µg/m ³	V0
Praseodymium	0.000002	0.000201	µg/m ³	V0
Neodymium	0.000005	0.000742	µg/m ³	V0
Samarium	0.000006	0.000143	µg/m ³	V0
Tantalum	0.000003	0.007998	µg/m ³	V4
Tungsten	0.000005	0.006923	µg/m ³	V4
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000519	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000215	µg/m ³	V0
Uranium	0.000003	0.000055	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Anzac	Samp Use: Exposure	WBEA ID: 221105352
Start Date:	2022-11-07 00:00	Loc ID: ANZC	Duration: 24.0 hr
		End Date: 2022-11-08 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		730.8	mmHg	
Particulate Matter	0.042	3.042	µg/m ³	V0
Lithium	0.000016	0.000160	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.058876	µg/m ³	V0
Magnesium	0.000279	0.023254	µg/m ³	V0
Aluminum	0.002800	0.070394	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.038890	µg/m ³	V0
Potassium	0.000402	0.009260	µg/m ³	V0
Calcium	0.013042	0.069037	µg/m ³	V0
Titanium	0.000031	0.002210	µg/m ³	V0
Vanadium	0.000018	0.000359	µg/m ³	V0
Chromium	0.000045	0.000684	µg/m ³	V0
Manganese	0.000028	0.000766	µg/m ³	V0
Iron	0.001585	0.030810	µg/m ³	V0
Cobalt	0.000005	0.000055	µg/m ³	V0
Nickel	0.000015	0.000390	µg/m ³	V0
Copper	0.000027	0.000201	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000181	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000089	µg/m ³	V0
Strontium	0.000012	0.000248	µg/m ³	V0
Niobium	0.000006	0.000133	µg/m ³	V0
Molybdenum	0.000025	0.000039	µg/m ³	V0
Palladium	0.000050	0.000237	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000185	µg/m ³	V0
Antimony	0.000016	0.000019	µg/m ³	V0
Cesium	0.000004	0.000015	µg/m ³	V0
Barium	0.000054	0.000381	µg/m ³	V0
Lanthanum	0.000004	0.000030	µg/m ³	V0
Cerium	0.000013	0.000056	µg/m ³	V0
Praseodymium	0.000002	0.000010	µg/m ³	V0
Neodymium	0.000005	0.000027	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.001052	µg/m ³	V0
Tungsten	0.000005	0.000125	µg/m ³	V0
Platinum	0.000004	0.000035	µg/m ³	V0
Thallium	0.000005	0.000301	µg/m ³	V0
Lead	0.000018	0.000151	µg/m ³	V0
Bismuth	0.000004	0.000091	µg/m ³	V0
Thorium	0.000002	0.000030	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105371
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		753.0	mmHg	
Particulate Matter	0.042	34.250	µg/m ³	V0
Lithium	0.000016	0.001880	µg/m ³	V0
Beryllium	0.000013	0.000053	µg/m ³	V0
Sodium	0.000777	0.086273	µg/m ³	V0
Magnesium	0.000279	0.184826	µg/m ³	V0
Aluminum	0.002800	0.921841	µg/m ³	V0
Silicon	0.010200	1.416440	µg/m ³	V0
Phosphorus	0.003480	0.041035	µg/m ³	V0
Potassium	0.000402	0.242662	µg/m ³	V0
Calcium	0.013042	0.938936	µg/m ³	V0
Titanium	0.000031	0.047576	µg/m ³	V0
Vanadium	0.000018	0.003314	µg/m ³	V0
Chromium	0.000045	0.001801	µg/m ³	V0
Manganese	0.000028	0.013398	µg/m ³	V0
Iron	0.001585	0.655833	µg/m ³	V0
Cobalt	0.000005	0.000525	µg/m ³	V0
Nickel	0.000015	0.000914	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000121	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001587	µg/m ³	V0
Strontium	0.000012	0.003946	µg/m ³	V0
Niobium	0.000006	0.000246	µg/m ³	V0
Molybdenum	0.000025	0.000157	µg/m ³	V0
Palladium	0.000050	0.000155	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.000107	µg/m ³	V0
Antimony	0.000016	0.000031	µg/m ³	V0
Cesium	0.000004	0.000090	µg/m ³	V0
Barium	0.000054	0.008717	µg/m ³	V0
Lanthanum	0.000004	0.000593	µg/m ³	V0
Cerium	0.000013	0.001268	µg/m ³	V0
Praseodymium	0.000002	0.000151	µg/m ³	V0
Neodymium	0.000005	0.000578	µg/m ³	V0
Samarium	0.000006	0.000109	µg/m ³	V0
Tantalum	0.000003	0.000588	µg/m ³	V0
Tungsten	0.000005	0.000193	µg/m ³	V0
Platinum	0.000004	0.000030	µg/m ³	V0
Thallium	0.000005	0.000065	µg/m ³	V0
Lead	0.000018	0.000427	µg/m ³	V0
Bismuth	0.000004	0.000025	µg/m ³	V0
Thorium	0.000002	0.000181	µg/m ³	V0
Uranium	0.000003	0.000051	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105392
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		757.1	mmHg	
Particulate Matter	0.042	10.292	µg/m ³	V0
Lithium	0.000016	0.000450	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.125996	µg/m ³	V0
Magnesium	0.000279	0.105140	µg/m ³	V0
Aluminum	0.002800	0.307704	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.039071	µg/m ³	V0
Potassium	0.000402	0.091023	µg/m ³	V0
Calcium	0.013042	0.649785	µg/m ³	V0
Titanium	0.000031	0.015666	µg/m ³	V0
Vanadium	0.000018	0.001332	µg/m ³	V0
Chromium	0.000045	0.000896	µg/m ³	V0
Manganese	0.000028	0.003690	µg/m ³	V0
Iron	0.001585	0.195662	µg/m ³	V0
Cobalt	0.000005	0.000194	µg/m ³	V0
Nickel	0.000015	0.000484	µg/m ³	V0
Copper	0.000027	0.000596	µg/m ³	V0
Zinc	0.000149	0.000877	µg/m ³	V0
Arsenic	0.000005	0.000357	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000533	µg/m ³	V0
Strontium	0.000012	0.001804	µg/m ³	V0
Niobium	0.000006	0.000176	µg/m ³	V0
Molybdenum	0.000025	0.000194	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000023	µg/m ³	V0
Tin	0.000008	0.000417	µg/m ³	V0
Antimony	0.000016	0.000582	µg/m ³	V0
Cesium	0.000004	0.000026	µg/m ³	V0
Barium	0.000054	0.004838	µg/m ³	V0
Lanthanum	0.000004	0.000174	µg/m ³	V0
Cerium	0.000013	0.000387	µg/m ³	V0
Praseodymium	0.000002	0.000046	µg/m ³	V0
Neodymium	0.000005	0.000179	µg/m ³	V0
Samarium	0.000006	0.000035	µg/m ³	V0
Tantalum	0.000003	0.000698	µg/m ³	V0
Tungsten	0.000005	0.000120	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000294	µg/m ³	V0
Bismuth	0.000004	0.000016	µg/m ³	V0
Thorium	0.000002	0.000054	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105402
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		744.5	mmHg	
Particulate Matter	0.042	12.792	µg/m ³	V0
Lithium	0.000016	0.000262	µg/m ³	V0
Beryllium	0.000013	0.000013	µg/m ³	V0
Sodium	0.000777	0.047796	µg/m ³	V0
Magnesium	0.000279	0.079886	µg/m ³	V0
Aluminum	0.002800	0.136664	µg/m ³	V0
Silicon	0.010200	0.332207	µg/m ³	V0
Phosphorus	0.003480	0.037004	µg/m ³	V0
Potassium	0.000402	0.041403	µg/m ³	V0
Calcium	0.013042	0.352242	µg/m ³	V0
Titanium	0.000031	0.005965	µg/m ³	V0
Vanadium	0.000018	0.000636	µg/m ³	V0
Chromium	0.000045	0.001224	µg/m ³	V0
Manganese	0.000028	0.001674	µg/m ³	V0
Iron	0.001585	0.079155	µg/m ³	V0
Cobalt	0.000005	0.000102	µg/m ³	V0
Nickel	0.000015	0.000332	µg/m ³	V0
Copper	0.000027	0.000347	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000263	µg/m ³	V0
Strontium	0.000012	0.001195	µg/m ³	V0
Niobium	0.000006	0.000057	µg/m ³	V0
Molybdenum	0.000025	0.000071	µg/m ³	V0
Palladium	0.000050	0.000086	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000212	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	0.000016	µg/m ³	V0
Barium	0.000054	0.001303	µg/m ³	V0
Lanthanum	0.000004	0.000070	µg/m ³	V0
Cerium	0.000013	0.000152	µg/m ³	V0
Praseodymium	0.000002	0.000020	µg/m ³	V0
Neodymium	0.000005	0.000073	µg/m ³	V0
Samarium	0.000006	0.000016	µg/m ³	V0
Tantalum	0.000003	0.000240	µg/m ³	V0
Tungsten	0.000005	0.000062	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000022	µg/m ³	V0
Lead	0.000018	0.000149	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000021	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105409
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-14.0	°C	
Pressure		752.0	mmHg	
Particulate Matter	0.042	56.083	µg/m ³	V0
Lithium	0.000016	0.001279	µg/m ³	V0
Beryllium	0.000013	0.000052	µg/m ³	V0
Sodium	0.000777	0.113046	µg/m ³	V0
Magnesium	0.000279	0.299449	µg/m ³	V0
Aluminum	0.002800	0.831864	µg/m ³	V0
Silicon	0.010200	1.965261	µg/m ³	V0
Phosphorus	0.003480	0.041617	µg/m ³	V0
Potassium	0.000402	0.243269	µg/m ³	V0
Calcium	0.013042	1.372865	µg/m ³	V0
Titanium	0.000031	0.045624	µg/m ³	V0
Vanadium	0.000018	0.003615	µg/m ³	V0
Chromium	0.000045	0.004927	µg/m ³	V0
Manganese	0.000028	0.022411	µg/m ³	V0
Iron	0.001585	1.301469	µg/m ³	V0
Cobalt	0.000005	0.000642	µg/m ³	V0
Nickel	0.000015	0.002404	µg/m ³	V0
Copper	0.000027	0.000541	µg/m ³	V0
Zinc	0.000149	0.015247	µg/m ³	V0
Arsenic	0.000005	0.000253	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001546	µg/m ³	V0
Strontium	0.000012	0.005159	µg/m ³	V0
Niobium	0.000006	0.000215	µg/m ³	V0
Molybdenum	0.000025	0.000340	µg/m ³	V0
Palladium	0.000050	0.000097	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000231	µg/m ³	V0
Antimony	0.000016	0.000025	µg/m ³	V0
Cesium	0.000004	0.000069	µg/m ³	V0
Barium	0.000054	0.011517	µg/m ³	V0
Lanthanum	0.000004	0.000715	µg/m ³	V0
Cerium	0.000013	0.001509	µg/m ³	V0
Praseodymium	0.000002	0.000176	µg/m ³	V0
Neodymium	0.000005	0.000652	µg/m ³	V0
Samarium	0.000006	0.000122	µg/m ³	V0
Tantalum	0.000003	0.000433	µg/m ³	V0
Tungsten	0.000005	0.000525	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	0.000024	µg/m ³	V0
Lead	0.000018	0.000470	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000204	µg/m ³	V0
Uranium	0.000003	0.000046	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105421
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		758.1	mmHg	
Particulate Matter	0.042	1.500	µg/m ³	V0
Lithium	0.000016	0.000199	µg/m ³	V0
Beryllium	0.000013	0.000036	µg/m ³	V0
Sodium	0.000777	0.041874	µg/m ³	V0
Magnesium	0.000279	0.067977	µg/m ³	V0
Aluminum	0.002800	0.028700	µg/m ³	V0
Silicon	0.010200	0.357725	µg/m ³	V0
Phosphorus	0.003480	0.038199	µg/m ³	V0
Potassium	0.000402	0.003924	µg/m ³	V0
Calcium	0.013042	0.041949	µg/m ³	V0
Titanium	0.000031	0.001027	µg/m ³	V0
Vanadium	0.000018	0.000244	µg/m ³	V0
Chromium	0.000045	0.000940	µg/m ³	V0
Manganese	0.000028	0.000456	µg/m ³	V0
Iron	0.001585	0.014389	µg/m ³	V0
Cobalt	0.000005	0.000069	µg/m ³	V0
Nickel	0.000015	0.000428	µg/m ³	V0
Copper	0.000027	0.003073	µg/m ³	V0
Zinc	0.000149	0.002504	µg/m ³	V0
Arsenic	0.000005	0.000331	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000067	µg/m ³	V0
Strontium	0.000012	0.000183	µg/m ³	V0
Niobium	0.000006	0.000097	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000550	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000088	µg/m ³	V0
Tin	0.000008	0.000256	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	0.000097	µg/m ³	V0
Barium	0.000054	0.000308	µg/m ³	V0
Lanthanum	0.000004	0.000080	µg/m ³	V0
Cerium	0.000013	0.000089	µg/m ³	V0
Praseodymium	0.000002	0.000065	µg/m ³	V0
Neodymium	0.000005	0.000054	µg/m ³	V0
Samarium	0.000006	0.000052	µg/m ³	V0
Tantalum	0.000003	0.000848	µg/m ³	V0
Tungsten	0.000005	0.000090	µg/m ³	V0
Platinum	0.000004	0.000066	µg/m ³	V0
Thallium	0.000005	0.000648	µg/m ³	V4
Lead	0.000018	0.000222	µg/m ³	V0
Bismuth	0.000004	0.000161	µg/m ³	V0
Thorium	0.000002	0.000086	µg/m ³	V0
Uranium	0.000003	0.000032	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 221105485
Start Date:	2022-11-09 11:19	End Date:	2022-11-09 11:20	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000044	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.014842	µg/m ³	V0
Magnesium	0.000279	0.046227	µg/m ³	V0
Aluminum	0.002800	0.009634	µg/m ³	V0
Silicon	0.010200	0.138561	µg/m ³	V0
Phosphorus	0.003480	0.040924	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.022794	µg/m ³	V0
Titanium	0.000031	0.000635	µg/m ³	V0
Vanadium	0.000018	0.000168	µg/m ³	V0
Chromium	0.000045	0.000312	µg/m ³	V0
Manganese	0.000028	0.000095	µg/m ³	V0
Iron	0.001585	0.005212	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000092	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000025	µg/m ³	V0
Niobium	0.000006	0.000083	µg/m ³	V0
Molybdenum	0.000025	0.000027	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000218	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000455	µg/m ³	V0
Tungsten	0.000005	0.000043	µg/m ³	V0
Platinum	0.000004	0.000041	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000038	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105428
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.7	°C	
Pressure		734.4	mmHg	
Particulate Matter	0.042	9.125	µg/m ³	V0
Lithium	0.000016	0.000186	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.015911	µg/m ³	V0
Magnesium	0.000279	0.045387	µg/m ³	V0
Aluminum	0.002800	0.051780	µg/m ³	V0
Silicon	0.010200	0.086835	µg/m ³	V0
Phosphorus	0.003480	0.060069	µg/m ³	V0
Potassium	0.000402	0.042778	µg/m ³	V0
Calcium	0.013042	0.052472	µg/m ³	V0
Titanium	0.000031	0.002629	µg/m ³	V0
Vanadium	0.000018	0.001071	µg/m ³	V0
Chromium	0.000045	0.000808	µg/m ³	V0
Manganese	0.000028	0.000775	µg/m ³	V0
Iron	0.001585	0.035516	µg/m ³	V0
Cobalt	0.000005	0.000058	µg/m ³	V0
Nickel	0.000015	0.000332	µg/m ³	V0
Copper	0.000027	0.000235	µg/m ³	V0
Zinc	0.000149	0.005984	µg/m ³	V0
Arsenic	0.000005	0.000328	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000138	µg/m ³	V0
Strontium	0.000012	0.000199	µg/m ³	V0
Niobium	0.000006	0.000922	µg/m ³	V0
Molybdenum	0.000025	0.000180	µg/m ³	V0
Palladium	0.000050	0.000153	µg/m ³	V0
Silver	0.000006	0.000067	µg/m ³	V0
Cadmium	0.000011	0.000054	µg/m ³	V0
Tin	0.000008	0.000216	µg/m ³	V0
Antimony	0.000016	0.000248	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000380	µg/m ³	V0
Lanthanum	0.000004	0.000027	µg/m ³	V0
Cerium	0.000013	0.000053	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000026	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.009402	µg/m ³	V4
Tungsten	0.000005	0.000848	µg/m ³	V0
Platinum	0.000004	0.000009	µg/m ³	V0
Thallium	0.000005	0.000035	µg/m ³	V0
Lead	0.000018	0.000138	µg/m ³	V0
Bismuth	0.000004	0.000039	µg/m ³	V0
Thorium	0.000002	0.000042	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221105431
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.8	°C	
Pressure		737.1	mmHg	
Particulate Matter	0.042	8.833	µg/m ³	V0
Lithium	0.000016	0.000135	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.036535	µg/m ³	V0
Magnesium	0.000279	0.063898	µg/m ³	V0
Aluminum	0.002800	0.106837	µg/m ³	V0
Silicon	0.010200	0.015084	µg/m ³	V0
Phosphorus	0.003480	0.036062	µg/m ³	V0
Potassium	0.000402	0.086936	µg/m ³	V0
Calcium	0.013042	0.063625	µg/m ³	V0
Titanium	0.000031	0.003111	µg/m ³	V0
Vanadium	0.000018	0.001777	µg/m ³	V0
Chromium	0.000045	0.001150	µg/m ³	V0
Manganese	0.000028	0.001323	µg/m ³	V0
Iron	0.001585	0.048636	µg/m ³	V0
Cobalt	0.000005	0.000061	µg/m ³	V0
Nickel	0.000015	0.000677	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.004764	µg/m ³	V0
Arsenic	0.000005	0.000128	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000250	µg/m ³	V0
Strontium	0.000012	0.000286	µg/m ³	V0
Niobium	0.000006	0.000084	µg/m ³	V0
Molybdenum	0.000025	0.000147	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	0.000106	µg/m ³	V0
Tin	0.000008	0.000430	µg/m ³	V0
Antimony	0.000016	0.000118	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000967	µg/m ³	V0
Lanthanum	0.000004	0.000042	µg/m ³	V0
Cerium	0.000013	0.000079	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000037	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000411	µg/m ³	V0
Tungsten	0.000005	0.000149	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000277	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000010	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105434
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.0	°C	
Pressure		734.2	mmHg	
Particulate Matter	0.042	6.417	µg/m ³	V0
Lithium	0.000016	0.000115	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.020192	µg/m ³	V0
Magnesium	0.000279	0.071038	µg/m ³	V0
Aluminum	0.002800	0.094915	µg/m ³	V0
Silicon	0.010200	0.326479	µg/m ³	V0
Phosphorus	0.003480	0.038461	µg/m ³	V0
Potassium	0.000402	0.055625	µg/m ³	V0
Calcium	0.013042	0.042838	µg/m ³	V0
Titanium	0.000031	0.002238	µg/m ³	V0
Vanadium	0.000018	0.000437	µg/m ³	V0
Chromium	0.000045	0.000979	µg/m ³	V0
Manganese	0.000028	0.000863	µg/m ³	V0
Iron	0.001585	0.041620	µg/m ³	V0
Cobalt	0.000005	0.000064	µg/m ³	V0
Nickel	0.000015	0.000440	µg/m ³	V0
Copper	0.000027	0.000675	µg/m ³	V0
Zinc	0.000149	0.004802	µg/m ³	V0
Arsenic	0.000005	0.000036	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000190	µg/m ³	V0
Strontium	0.000012	0.000194	µg/m ³	V0
Niobium	0.000006	0.000115	µg/m ³	V0
Molybdenum	0.000025	0.000114	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	0.000081	µg/m ³	V0
Tin	0.000008	0.000313	µg/m ³	V0
Antimony	0.000016	0.000125	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000580	µg/m ³	V0
Lanthanum	0.000004	0.000027	µg/m ³	V0
Cerium	0.000013	0.000049	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000023	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000526	µg/m ³	V0
Tungsten	0.000005	0.000178	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000208	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000009	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105440
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.9	°C	
Pressure		739.1	mmHg	
Particulate Matter	0.042	10.000	µg/m ³	V0
Lithium	0.000016	0.000094	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.019600	µg/m ³	V0
Magnesium	0.000279	0.057092	µg/m ³	V0
Aluminum	0.002800	0.049147	µg/m ³	V0
Silicon	0.010200	0.220380	µg/m ³	V0
Phosphorus	0.003480	0.036508	µg/m ³	V0
Potassium	0.000402	0.089188	µg/m ³	V0
Calcium	0.013042	0.044910	µg/m ³	V0
Titanium	0.000031	0.001785	µg/m ³	V0
Vanadium	0.000018	0.000618	µg/m ³	V0
Chromium	0.000045	0.000672	µg/m ³	V0
Manganese	0.000028	0.000779	µg/m ³	V0
Iron	0.001585	0.027461	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000291	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.007593	µg/m ³	V0
Arsenic	0.000005	0.000100	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000242	µg/m ³	V0
Strontium	0.000012	0.000179	µg/m ³	V0
Niobium	0.000006	0.000090	µg/m ³	V0
Molybdenum	0.000025	0.000116	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000174	µg/m ³	V0
Tin	0.000008	0.000235	µg/m ³	V0
Antimony	0.000016	0.000101	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000463	µg/m ³	V0
Lanthanum	0.000004	0.000031	µg/m ³	V0
Cerium	0.000013	0.000038	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000020	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000535	µg/m ³	V0
Tungsten	0.000005	0.000077	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000333	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105448	
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.9	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	14.667	µg/m ³	V0
Lithium	0.000016	0.000188	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.050216	µg/m ³	V0
Magnesium	0.000279	0.068573	µg/m ³	V0
Aluminum	0.002800	0.114564	µg/m ³	V0
Silicon	0.010200	0.255635	µg/m ³	V0
Phosphorus	0.003480	0.039739	µg/m ³	V0
Potassium	0.000402	0.096752	µg/m ³	V0
Calcium	0.013042	0.082555	µg/m ³	V0
Titanium	0.000031	0.006224	µg/m ³	V0
Vanadium	0.000018	0.005770	µg/m ³	V0
Chromium	0.000045	0.000797	µg/m ³	V0
Manganese	0.000028	0.001550	µg/m ³	V0
Iron	0.001585	0.049137	µg/m ³	V0
Cobalt	0.000005	0.000110	µg/m ³	V0
Nickel	0.000015	0.001347	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.004801	µg/m ³	V0
Arsenic	0.000005	0.000117	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000288	µg/m ³	V0
Strontium	0.000012	0.000365	µg/m ³	V0
Niobium	0.000006	0.000075	µg/m ³	V0
Molybdenum	0.000025	0.000349	µg/m ³	V0
Palladium	0.000050	0.000072	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000095	µg/m ³	V0
Tin	0.000008	0.000294	µg/m ³	V0
Antimony	0.000016	0.000132	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.001302	µg/m ³	V0
Lanthanum	0.000004	0.000064	µg/m ³	V0
Cerium	0.000013	0.000122	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000053	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000360	µg/m ³	V0
Tungsten	0.000005	0.000049	µg/m ³	V0
Platinum	0.000004	0.000029	µg/m ³	V0
Thallium	0.000005	0.000020	µg/m ³	V0
Lead	0.000018	0.000365	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000020	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105466
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.0	°C	
Pressure		740.6	mmHg	
Particulate Matter	0.042	9.958	µg/m ³	V0
Lithium	0.000016	0.000117	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.272297	µg/m ³	V0
Magnesium	0.000279	0.074807	µg/m ³	V0
Aluminum	0.002800	0.096421	µg/m ³	V0
Silicon	0.010200	0.158997	µg/m ³	V0
Phosphorus	0.003480	0.038076	µg/m ³	V0
Potassium	0.000402	0.072482	µg/m ³	V0
Calcium	0.013042	0.064329	µg/m ³	V0
Titanium	0.000031	0.004939	µg/m ³	V0
Vanadium	0.000018	0.000309	µg/m ³	V0
Chromium	0.000045	0.000832	µg/m ³	V0
Manganese	0.000028	0.001112	µg/m ³	V0
Iron	0.001585	0.066535	µg/m ³	V0
Cobalt	0.000005	0.000075	µg/m ³	V0
Nickel	0.000015	0.000311	µg/m ³	V0
Copper	0.000027	0.000901	µg/m ³	V0
Zinc	0.000149	0.007554	µg/m ³	V0
Arsenic	0.000005	0.000102	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000178	µg/m ³	V0
Strontium	0.000012	0.000577	µg/m ³	V0
Niobium	0.000006	0.000073	µg/m ³	V0
Molybdenum	0.000025	0.000222	µg/m ³	V0
Palladium	0.000050	0.000080	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000084	µg/m ³	V0
Tin	0.000008	0.000535	µg/m ³	V0
Antimony	0.000016	0.000589	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.004975	µg/m ³	V0
Lanthanum	0.000004	0.000032	µg/m ³	V0
Cerium	0.000013	0.000073	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000434	µg/m ³	V0
Tungsten	0.000005	0.000113	µg/m ³	V0
Platinum	0.000004	0.000033	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000367	µg/m ³	V0
Bismuth	0.000004	0.000027	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105471
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.6	°C	
Pressure		728.3	mmHg	
Particulate Matter	0.042	6.583	µg/m ³	V0
Lithium	0.000016	0.000056	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.053927	µg/m ³	V0
Magnesium	0.000279	0.007206	µg/m ³	V0
Aluminum	0.002800	0.019836	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.028737	µg/m ³	V0
Potassium	0.000402	0.077713	µg/m ³	V0
Calcium	0.013042	0.035931	µg/m ³	V0
Titanium	0.000031	0.001442	µg/m ³	V0
Vanadium	0.000018	0.000310	µg/m ³	V0
Chromium	0.000045	0.001075	µg/m ³	V0
Manganese	0.000028	0.000611	µg/m ³	V0
Iron	0.001585	0.024686	µg/m ³	V0
Cobalt	0.000005	0.000039	µg/m ³	V0
Nickel	0.000015	0.000437	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002405	µg/m ³	V0
Arsenic	0.000005	0.000149	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000195	µg/m ³	V0
Strontium	0.000012	0.000151	µg/m ³	V0
Niobium	0.000006	0.000101	µg/m ³	V0
Molybdenum	0.000025	0.000110	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000105	µg/m ³	V0
Tin	0.000008	0.000309	µg/m ³	V0
Antimony	0.000016	0.000173	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001012	µg/m ³	V0
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000043	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000610	µg/m ³	V0
Tungsten	0.000005	0.000097	µg/m ³	V0
Platinum	0.000004	0.000029	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000327	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105479
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.3	°C	
Pressure		711.6	mmHg	
Particulate Matter	0.042	6.625	µg/m ³	V0
Lithium	0.000016	0.000148	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.022774	µg/m ³	V0
Magnesium	0.000279	0.052629	µg/m ³	V0
Aluminum	0.002800	0.028576	µg/m ³	V0
Silicon	0.010200	0.209594	µg/m ³	V0
Phosphorus	0.003480	0.039209	µg/m ³	V0
Potassium	0.000402	0.059261	µg/m ³	V0
Calcium	0.013042	0.029251	µg/m ³	V0
Titanium	0.000031	0.001118	µg/m ³	V0
Vanadium	0.000018	0.000261	µg/m ³	V0
Chromium	0.000045	0.000416	µg/m ³	V0
Manganese	0.000028	0.000612	µg/m ³	V0
Iron	0.001585	0.038400	µg/m ³	V0
Cobalt	0.000005	0.000070	µg/m ³	V0
Nickel	0.000015	0.000222	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002126	µg/m ³	V0
Arsenic	0.000005	0.000263	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000188	µg/m ³	V0
Strontium	0.000012	0.000124	µg/m ³	V0
Niobium	0.000006	0.000118	µg/m ³	V0
Molybdenum	0.000025	0.000030	µg/m ³	V0
Palladium	0.000050	0.000225	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000103	µg/m ³	V0
Tin	0.000008	0.000338	µg/m ³	V0
Antimony	0.000016	0.000121	µg/m ³	V0
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	0.000547	µg/m ³	V0
Lanthanum	0.000004	0.000028	µg/m ³	V0
Cerium	0.000013	0.000039	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.000967	µg/m ³	V0
Tungsten	0.000005	0.000101	µg/m ³	V0
Platinum	0.000004	0.000047	µg/m ³	V0
Thallium	0.000005	0.000337	µg/m ³	V0
Lead	0.000018	0.000200	µg/m ³	V0
Bismuth	0.000004	0.000102	µg/m ³	V0
Thorium	0.000002	0.000045	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105494
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.2	°C	
Pressure		719.9	mmHg	
Particulate Matter	0.042	4.750	µg/m ³	V0
Lithium	0.000016	0.000053	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.027380	µg/m ³	V0
Magnesium	0.000279	0.006138	µg/m ³	V0
Aluminum	0.002800	0.018597	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.037044	µg/m ³	V0
Potassium	0.000402	0.024484	µg/m ³	V0
Calcium	0.013042	0.017785	µg/m ³	V0
Titanium	0.000031	0.018181	µg/m ³	V0
Vanadium	0.000018	0.001343	µg/m ³	V0
Chromium	0.000045	0.000619	µg/m ³	V0
Manganese	0.000028	0.000206	µg/m ³	V0
Iron	0.001585	0.011313	µg/m ³	V0
Cobalt	0.000005	0.000024	µg/m ³	V0
Nickel	0.000015	0.000185	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000836	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000076	µg/m ³	V0
Strontium	0.000012	0.000061	µg/m ³	V0
Niobium	0.000006	0.000131	µg/m ³	V0
Molybdenum	0.000025	0.000066	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000046	µg/m ³	V0
Tin	0.000008	0.000120	µg/m ³	V0
Antimony	0.000016	0.000130	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000235	µg/m ³	V0
Lanthanum	0.000004	0.000008	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000769	µg/m ³	V0
Tungsten	0.000005	0.000066	µg/m ³	V0
Platinum	0.000004	0.000043	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000099	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105499
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.9	°C	
Pressure		716.3	mmHg	
Particulate Matter	0.042	5.250	µg/m ³	V0
Lithium	0.000016	0.000068	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.016099	µg/m ³	V0
Magnesium	0.000279	0.007071	µg/m ³	V0
Aluminum	0.002800	0.019840	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.035820	µg/m ³	V0
Potassium	0.000402	0.041018	µg/m ³	V0
Calcium	0.013042	0.030476	µg/m ³	V0
Titanium	0.000031	0.001188	µg/m ³	V0
Vanadium	0.000018	0.000183	µg/m ³	V0
Chromium	0.000045	0.000666	µg/m ³	V0
Manganese	0.000028	0.000297	µg/m ³	V0
Iron	0.001585	0.010274	µg/m ³	V0
Cobalt	0.000005	0.000028	µg/m ³	V0
Nickel	0.000015	0.000258	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001631	µg/m ³	V0
Arsenic	0.000005	0.000049	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000122	µg/m ³	V0
Strontium	0.000012	0.000093	µg/m ³	V0
Niobium	0.000006	0.000123	µg/m ³	V0
Molybdenum	0.000025	0.000051	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000071	µg/m ³	V0
Tin	0.000008	0.000122	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000223	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000734	µg/m ³	V0
Tungsten	0.000005	0.000063	µg/m ³	V0
Platinum	0.000004	0.000034	µg/m ³	V0
Thallium	0.000005	0.000015	µg/m ³	V0
Lead	0.000018	0.000136	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Metal** Samp Use: **Field Procedure Blank** Set Index: **1**
Location: **Janvier** Loc ID: **JANV** WBEA ID: **221105559**
Start Date: **2022-11-16 12:45** End Date: **2022-11-16 12:46** Duration: **0.0 hr**

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000053	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.001947	µg/m ³	V0
Magnesium	0.000279	0.050709	µg/m ³	V0
Aluminum	0.002800	0.010878	µg/m ³	V0
Silicon	0.010200	0.217337	µg/m ³	V0
Phosphorus	0.003480	0.034162	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.021756	µg/m ³	V0
Titanium	0.000031	0.000703	µg/m ³	V0
Vanadium	0.000018	0.000117	µg/m ³	V0
Chromium	0.000045	0.000914	µg/m ³	V0
Manganese	0.000028	0.000231	µg/m ³	V0
Iron	0.001585	0.011496	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000365	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000025	µg/m ³	V0
Niobium	0.000006	0.000074	µg/m ³	V0
Molybdenum	0.000025	0.000031	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000167	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000484	µg/m ³	V0
Tungsten	0.000005	0.000040	µg/m ³	V0
Platinum	0.000004	0.000045	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105504
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

Very high PM10 levels in afternoon.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.9	°C	
Pressure		731.3	mmHg	
Particulate Matter	0.042	99.625	µg/m ³	V4
Lithium	0.000016	0.007999	µg/m ³	V4
Beryllium	0.000013	0.000205	µg/m ³	V4
Sodium	0.000777	0.358477	µg/m ³	V0
Magnesium	0.000279	1.027268	µg/m ³	V4
Aluminum	0.002800	4.344816	µg/m ³	V4
Silicon	0.010200	0.391999	µg/m ³	V0
Phosphorus	0.003480	0.070536	µg/m ³	V0
Potassium	0.000402	1.151625	µg/m ³	V0
Calcium	0.013042	5.601226	µg/m ³	V0
Titanium	0.000031	0.191966	µg/m ³	V4
Vanadium	0.000018	0.017728	µg/m ³	V4
Chromium	0.000045	0.005255	µg/m ³	V0
Manganese	0.000028	0.076782	µg/m ³	V4
Iron	0.001585	3.771589	µg/m ³	V4
Cobalt	0.000005	0.002596	µg/m ³	V4
Nickel	0.000015	0.003117	µg/m ³	V0
Copper	0.000027	0.001693	µg/m ³	V0
Zinc	0.000149	0.008794	µg/m ³	V0
Arsenic	0.000005	0.000810	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.008256	µg/m ³	V4
Strontium	0.000012	0.024838	µg/m ³	V4
Niobium	0.000006	0.000919	µg/m ³	V0
Molybdenum	0.000025	0.000677	µg/m ³	V0
Palladium	0.000050	0.000313	µg/m ³	V0
Silver	0.000006	0.000047	µg/m ³	V0
Cadmium	0.000011	0.000133	µg/m ³	V0
Tin	0.000008	0.000462	µg/m ³	V0
Antimony	0.000016	0.000080	µg/m ³	V0
Cesium	0.000004	0.000406	µg/m ³	V4
Barium	0.000054	0.036657	µg/m ³	V4
Lanthanum	0.000004	0.003392	µg/m ³	V4
Cerium	0.000013	0.007195	µg/m ³	V4
Praseodymium	0.000002	0.000842	µg/m ³	V4
Neodymium	0.000005	0.003214	µg/m ³	V4
Samarium	0.000006	0.000595	µg/m ³	V4
Tantalum	0.000003	0.000471	µg/m ³	V0
Tungsten	0.000005	0.000800	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000074	µg/m ³	V0
Lead	0.000018	0.002024	µg/m ³	V0
Bismuth	0.000004	0.000035	µg/m ³	V0
Thorium	0.000002	0.001007	µg/m ³	V4
Uranium	0.000003	0.000273	µg/m ³	V4



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105512
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.2	°C	
Pressure		731.1	mmHg	
Particulate Matter	0.042	10.250	µg/m ³	V0
Lithium	0.000016	0.000286	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.059621	µg/m ³	V0
Magnesium	0.000279	0.105187	µg/m ³	V0
Aluminum	0.002800	0.194059	µg/m ³	V0
Silicon	0.010200	1.466862	µg/m ³	V0
Phosphorus	0.003480	0.037336	µg/m ³	V0
Potassium	0.000402	0.056682	µg/m ³	V0
Calcium	0.013042	0.066193	µg/m ³	V0
Titanium	0.000031	0.008670	µg/m ³	V0
Vanadium	0.000018	0.000868	µg/m ³	V0
Chromium	0.000045	0.000642	µg/m ³	V0
Manganese	0.000028	0.001546	µg/m ³	V0
Iron	0.001585	0.112103	µg/m ³	V0
Cobalt	0.000005	0.000112	µg/m ³	V0
Nickel	0.000015	0.000359	µg/m ³	V0
Copper	0.000027	0.000215	µg/m ³	V0
Zinc	0.000149	0.002948	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000316	µg/m ³	V0
Strontium	0.000012	0.000589	µg/m ³	V0
Niobium	0.000006	0.000103	µg/m ³	V0
Molybdenum	0.000025	0.000053	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000033	µg/m ³	V0
Tin	0.000008	0.000302	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000018	µg/m ³	V0
Barium	0.000054	0.001908	µg/m ³	V0
Lanthanum	0.000004	0.000094	µg/m ³	V0
Cerium	0.000013	0.000195	µg/m ³	V0
Praseodymium	0.000002	0.000026	µg/m ³	V0
Neodymium	0.000005	0.000094	µg/m ³	V0
Samarium	0.000006	0.000020	µg/m ³	V0
Tantalum	0.000003	0.000495	µg/m ³	V0
Tungsten	0.000005	0.000097	µg/m ³	V0
Platinum	0.000004	0.000033	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000113	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000029	µg/m ³	V0
Uranium	0.000003	0.000010	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221105514
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.6	°C	
Pressure		734.0	mmHg	
Particulate Matter	0.042	11.250	µg/m ³	V0
Lithium	0.000016	0.000346	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.215295	µg/m ³	V0
Magnesium	0.000279	0.122876	µg/m ³	V0
Aluminum	0.002800	0.236111	µg/m ³	V0
Silicon	0.010200	1.242097	µg/m ³	V0
Phosphorus	0.003480	0.037518	µg/m ³	V0
Potassium	0.000402	0.083531	µg/m ³	V0
Calcium	0.013042	0.127530	µg/m ³	V0
Titanium	0.000031	0.010535	µg/m ³	V0
Vanadium	0.000018	0.001686	µg/m ³	V0
Chromium	0.000045	0.002473	µg/m ³	V0
Manganese	0.000028	0.002012	µg/m ³	V0
Iron	0.001585	0.148104	µg/m ³	V0
Cobalt	0.000005	0.000150	µg/m ³	V0
Nickel	0.000015	0.000527	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001746	µg/m ³	V0
Arsenic	0.000005	0.000026	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000415	µg/m ³	V0
Strontium	0.000012	0.003678	µg/m ³	V0
Niobium	0.000006	0.000116	µg/m ³	V0
Molybdenum	0.000025	0.000123	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000057	µg/m ³	V0
Tin	0.000008	0.000408	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	0.000024	µg/m ³	V0
Barium	0.000054	0.002746	µg/m ³	V0
Lanthanum	0.000004	0.000132	µg/m ³	V0
Cerium	0.000013	0.000254	µg/m ³	V0
Praseodymium	0.000002	0.000032	µg/m ³	V0
Neodymium	0.000005	0.000128	µg/m ³	V0
Samarium	0.000006	0.000024	µg/m ³	V0
Tantalum	0.000003	0.000524	µg/m ³	V0
Tungsten	0.000005	0.000085	µg/m ³	V0
Platinum	0.000004	0.000043	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000161	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000037	µg/m ³	V0
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105530
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.8	°C	
Pressure		732.9	mmHg	
Particulate Matter	0.042	19.250	µg/m ³	V0
Lithium	0.000016	0.000685	µg/m ³	V0
Beryllium	0.000013	0.000028	µg/m ³	V0
Sodium	0.000777	0.235977	µg/m ³	V0
Magnesium	0.000279	0.173107	µg/m ³	V0
Aluminum	0.002800	0.447973	µg/m ³	V0
Silicon	0.010200	0.777304	µg/m ³	V0
Phosphorus	0.003480	0.034084	µg/m ³	V0
Potassium	0.000402	0.185683	µg/m ³	V0
Calcium	0.013042	0.328176	µg/m ³	V0
Titanium	0.000031	0.022118	µg/m ³	V0
Vanadium	0.000018	0.006659	µg/m ³	V0
Chromium	0.000045	0.001097	µg/m ³	V0
Manganese	0.000028	0.004505	µg/m ³	V0
Iron	0.001585	0.297424	µg/m ³	V0
Cobalt	0.000005	0.000285	µg/m ³	V0
Nickel	0.000015	0.001312	µg/m ³	V0
Copper	0.000027	0.003982	µg/m ³	V0
Zinc	0.000149	0.008905	µg/m ³	V0
Arsenic	0.000005	0.000220	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000907	µg/m ³	V0
Strontium	0.000012	0.001841	µg/m ³	V0
Niobium	0.000006	0.000145	µg/m ³	V0
Molybdenum	0.000025	0.000301	µg/m ³	V0
Palladium	0.000050	0.000113	µg/m ³	V0
Silver	0.000006	0.000013	µg/m ³	V0
Cadmium	0.000011	0.000110	µg/m ³	V0
Tin	0.000008	0.000618	µg/m ³	V0
Antimony	0.000016	0.012498	µg/m ³	V4
Cesium	0.000004	0.000054	µg/m ³	V0
Barium	0.000054	0.006157	µg/m ³	V0
Lanthanum	0.000004	0.000261	µg/m ³	V0
Cerium	0.000013	0.000551	µg/m ³	V0
Praseodymium	0.000002	0.000068	µg/m ³	V0
Neodymium	0.000005	0.000266	µg/m ³	V0
Samarium	0.000006	0.000053	µg/m ³	V0
Tantalum	0.000003	0.000449	µg/m ³	V0
Tungsten	0.000005	0.000139	µg/m ³	V0
Platinum	0.000004	0.001660	µg/m ³	V4
Thallium	0.000005	0.000059	µg/m ³	V0
Lead	0.000018	0.000660	µg/m ³	V0
Bismuth	0.000004	0.000027	µg/m ³	V0
Thorium	0.000002	0.000082	µg/m ³	V0
Uranium	0.000003	0.000025	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105541
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.9	°C	
Pressure		725.1	mmHg	
Particulate Matter	0.042	4.708	µg/m ³	V0
Lithium	0.000016	0.000097	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.074919	µg/m ³	V0
Magnesium	0.000279	0.052581	µg/m ³	V0
Aluminum	0.002800	0.041759	µg/m ³	V0
Silicon	0.010200	0.171220	µg/m ³	V0
Phosphorus	0.003480	0.029254	µg/m ³	V0
Potassium	0.000402	0.041046	µg/m ³	V0
Calcium	0.013042	0.059983	µg/m ³	V0
Titanium	0.000031	0.001717	µg/m ³	V0
Vanadium	0.000018	0.000289	µg/m ³	V0
Chromium	0.000045	0.000907	µg/m ³	V0
Manganese	0.000028	0.000731	µg/m ³	V0
Iron	0.001585	0.035854	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000190	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.003944	µg/m ³	V0
Arsenic	0.000005	0.000031	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000120	µg/m ³	V0
Strontium	0.000012	0.000260	µg/m ³	V0
Niobium	0.000006	0.000090	µg/m ³	V0
Molybdenum	0.000025	0.000058	µg/m ³	V0
Palladium	0.000050	0.000054	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000062	µg/m ³	V0
Tin	0.000008	0.000326	µg/m ³	V0
Antimony	0.000016	0.000101	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.001079	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000059	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000022	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000465	µg/m ³	V0
Tungsten	0.000005	0.000061	µg/m ³	V0
Platinum	0.000004	0.000034	µg/m ³	V0
Thallium	0.000005	0.000023	µg/m ³	V0
Lead	0.000018	0.000276	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Metal**
Location: **Athabasca Valley**
Start Date: **2022-11-19 00:00**

Samp Use: **Exposure**
Loc ID: **ATHV**
End Date: **2022-11-20 00:00**

Set Index: **1**
WBEA ID: **221105549**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.6	°C	
Pressure		737.5	mmHg	
Particulate Matter	0.042	24.417	µg/m ³	V0
Lithium	0.000016	0.000025	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	-8888	µg/m ³	V1
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	-8888	µg/m ³	V1
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	-8888	µg/m ³	V1
Titanium	0.000031	-8888	µg/m ³	V1
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	-8888	µg/m ³	V1
Manganese	0.000028	0.000111	µg/m ³	V0
Iron	0.001585	-8888	µg/m ³	V1
Cobalt	0.000005	-8888	µg/m ³	V1
Nickel	0.000015	-8888	µg/m ³	V1
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.003986	µg/m ³	V0
Arsenic	0.000005	0.000340	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	-8888	µg/m ³	V1
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000111	µg/m ³	V0
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000049	µg/m ³	V0
Tungsten	0.000005	0.000013	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105555
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.2	°C	
Pressure		712.7	mmHg	
Particulate Matter	0.042	3.875	µg/m ³	V0
Lithium	0.000016	0.000076	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.083331	µg/m ³	V0
Magnesium	0.000279	0.060855	µg/m ³	V0
Aluminum	0.002800	0.035521	µg/m ³	V0
Silicon	0.010200	0.291518	µg/m ³	V0
Phosphorus	0.003480	0.033155	µg/m ³	V0
Potassium	0.000402	0.025244	µg/m ³	V0
Calcium	0.013042	0.039440	µg/m ³	V0
Titanium	0.000031	0.001179	µg/m ³	V0
Vanadium	0.000018	0.000273	µg/m ³	V0
Chromium	0.000045	0.000766	µg/m ³	V0
Manganese	0.000028	0.000565	µg/m ³	V0
Iron	0.001585	0.026122	µg/m ³	V0
Cobalt	0.000005	0.000045	µg/m ³	V0
Nickel	0.000015	0.000264	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000082	µg/m ³	V0
Strontium	0.000012	0.000176	µg/m ³	V0
Niobium	0.000006	0.000085	µg/m ³	V0
Molybdenum	0.000025	0.000028	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000048	µg/m ³	V0
Tin	0.000008	0.000143	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000485	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000534	µg/m ³	V0
Tungsten	0.000005	0.000088	µg/m ³	V0
Platinum	0.000004	0.000032	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000122	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105565
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.7	°C	
Pressure		716.4	mmHg	
Particulate Matter	0.042	5.792	µg/m ³	V0
Lithium	0.000016	0.000087	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.274028	µg/m ³	V0
Magnesium	0.000279	0.073543	µg/m ³	V0
Aluminum	0.002800	0.056552	µg/m ³	V0
Silicon	0.010200	0.415063	µg/m ³	V0
Phosphorus	0.003480	0.036143	µg/m ³	V0
Potassium	0.000402	0.048902	µg/m ³	V0
Calcium	0.013042	0.070984	µg/m ³	V0
Titanium	0.000031	0.001970	µg/m ³	V0
Vanadium	0.000018	0.000264	µg/m ³	V0
Chromium	0.000045	0.000674	µg/m ³	V0
Manganese	0.000028	0.000940	µg/m ³	V0
Iron	0.001585	0.040484	µg/m ³	V0
Cobalt	0.000005	0.000078	µg/m ³	V0
Nickel	0.000015	0.000324	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000054	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000140	µg/m ³	V0
Strontium	0.000012	0.000247	µg/m ³	V0
Niobium	0.000006	0.000083	µg/m ³	V0
Molybdenum	0.000025	0.000060	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000059	µg/m ³	V0
Tin	0.000008	0.000247	µg/m ³	V0
Antimony	0.000016	0.000056	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.000783	µg/m ³	V0
Lanthanum	0.000004	0.000027	µg/m ³	V0
Cerium	0.000013	0.000057	µg/m ³	V0
Praseodymium	0.000002	0.000007	µg/m ³	V0
Neodymium	0.000005	0.000027	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000511	µg/m ³	V0
Tungsten	0.000005	0.000092	µg/m ³	V0
Platinum	0.000004	0.000043	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000149	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105574
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.3	°C	
Pressure		708.2	mmHg	
Particulate Matter	0.042	7.708	µg/m ³	V0
Lithium	0.000016	0.000146	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.275868	µg/m ³	V0
Magnesium	0.000279	0.054435	µg/m ³	V0
Aluminum	0.002800	0.096176	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.037722	µg/m ³	V0
Potassium	0.000402	0.059641	µg/m ³	V0
Calcium	0.013042	0.222846	µg/m ³	V0
Titanium	0.000031	0.004150	µg/m ³	V0
Vanadium	0.000018	0.000403	µg/m ³	V0
Chromium	0.000045	0.000896	µg/m ³	V0
Manganese	0.000028	0.002037	µg/m ³	V0
Iron	0.001585	0.095257	µg/m ³	V0
Cobalt	0.000005	0.000132	µg/m ³	V0
Nickel	0.000015	0.000358	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000130	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000224	µg/m ³	V0
Strontium	0.000012	0.000598	µg/m ³	V0
Niobium	0.000006	0.000152	µg/m ³	V0
Molybdenum	0.000025	0.000084	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000071	µg/m ³	V0
Tin	0.000008	0.000125	µg/m ³	V0
Antimony	0.000016	0.000082	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.001484	µg/m ³	V0
Lanthanum	0.000004	0.000062	µg/m ³	V0
Cerium	0.000013	0.000125	µg/m ³	V0
Praseodymium	0.000002	0.000016	µg/m ³	V0
Neodymium	0.000005	0.000055	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000811	µg/m ³	V0
Tungsten	0.000005	0.000353	µg/m ³	V0
Platinum	0.000004	0.000042	µg/m ³	V0
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000168	µg/m ³	V0
Bismuth	0.000004	0.000011	µg/m ³	V0
Thorium	0.000002	0.000018	µg/m ³	V0
Uranium	0.000003	0.000005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105584
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.1	°C	
Pressure		736.2	mmHg	
Particulate Matter	0.042	4.008	µg/m ³	V0
Lithium	0.000016	0.000156	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.054467	µg/m ³	V0
Magnesium	0.000279	0.070096	µg/m ³	V0
Aluminum	0.002800	0.110929	µg/m ³	V0
Silicon	0.010200	0.298222	µg/m ³	V0
Phosphorus	0.003480	0.034620	µg/m ³	V0
Potassium	0.000402	0.034436	µg/m ³	V0
Calcium	0.013042	0.056116	µg/m ³	V0
Titanium	0.000031	0.002801	µg/m ³	V0
Vanadium	0.000018	0.000420	µg/m ³	V0
Chromium	0.000045	0.000300	µg/m ³	V0
Manganese	0.000028	0.001094	µg/m ³	V0
Iron	0.001585	0.049228	µg/m ³	V0
Cobalt	0.000005	0.000057	µg/m ³	V0
Nickel	0.000015	0.000138	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000749	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000141	µg/m ³	V0
Strontium	0.000012	0.000281	µg/m ³	V0
Niobium	0.000006	0.000091	µg/m ³	V0
Molybdenum	0.000025	0.000033	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000052	µg/m ³	V0
Tin	0.000008	0.000220	µg/m ³	V0
Antimony	0.000016	0.000020	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.000720	µg/m ³	V0
Lanthanum	0.000004	0.000045	µg/m ³	V0
Cerium	0.000013	0.000092	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000041	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000536	µg/m ³	V0
Tungsten	0.000005	0.000081	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000135	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 221105668
Start Date:	2022-11-23 15:50	End Date:	2022-11-23 15:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000047	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007096	µg/m ³	V0
Magnesium	0.000279	0.050936	µg/m ³	V0
Aluminum	0.002800	0.024439	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.037093	µg/m ³	V0
Potassium	0.000402	0.015143	µg/m ³	V0
Calcium	0.013042	0.018800	µg/m ³	V0
Titanium	0.000031	0.001182	µg/m ³	V0
Vanadium	0.000018	0.000158	µg/m ³	V0
Chromium	0.000045	0.000682	µg/m ³	V0
Manganese	0.000028	0.000249	µg/m ³	V0
Iron	0.001585	0.009660	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000276	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000686	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000008	µg/m ³	V0
Strontium	0.000012	0.000035	µg/m ³	V0
Niobium	0.000006	0.000056	µg/m ³	V0
Molybdenum	0.000025	0.000064	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000606	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000297	µg/m ³	V0
Tungsten	0.000005	0.000077	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000020	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105585
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.2	°C	
Pressure		705.2	mmHg	
Particulate Matter	0.042	0.875	µg/m ³	V0
Lithium	0.000016	0.000041	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.006600	µg/m ³	V0
Magnesium	0.000279	0.051365	µg/m ³	V0
Aluminum	0.002800	0.032003	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.041836	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.032435	µg/m ³	V0
Titanium	0.000031	0.000539	µg/m ³	V0
Vanadium	0.000018	0.000083	µg/m ³	V0
Chromium	0.000045	0.000245	µg/m ³	V0
Manganese	0.000028	0.000192	µg/m ³	V0
Iron	0.001585	0.013866	µg/m ³	V0
Cobalt	0.000005	0.000019	µg/m ³	V0
Nickel	0.000015	0.000086	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000012	µg/m ³	V0
Strontium	0.000012	0.000037	µg/m ³	V0
Niobium	0.000006	0.000120	µg/m ³	V0
Molybdenum	0.000025	0.000303	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000153	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000191	µg/m ³	V0
Antimony	0.000016	0.000091	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000733	µg/m ³	V0
Tungsten	0.000005	0.000654	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000019	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105596
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.4	°C	
Pressure		708.8	mmHg	
Particulate Matter	0.042	1.042	µg/m ³	V0
Lithium	0.000016	0.000044	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007878	µg/m ³	V0
Magnesium	0.000279	0.043401	µg/m ³	V0
Aluminum	0.002800	0.018001	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.039300	µg/m ³	V0
Potassium	0.000402	-8888	µg/m ³	V1
Calcium	0.013042	0.020172	µg/m ³	V0
Titanium	0.000031	0.000528	µg/m ³	V0
Vanadium	0.000018	0.000073	µg/m ³	V0
Chromium	0.000045	0.000866	µg/m ³	V0
Manganese	0.000028	0.000224	µg/m ³	V0
Iron	0.001585	0.010688	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000379	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000013	µg/m ³	V0
Strontium	0.000012	0.000050	µg/m ³	V0
Niobium	0.000006	0.000045	µg/m ³	V0
Molybdenum	0.000025	0.000044	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000136	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000056	µg/m ³	V0
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000262	µg/m ³	V0
Tungsten	0.000005	0.000101	µg/m ³	V0
Platinum	0.000004	0.000010	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000020	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Conklin	Loc ID:	CONK
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00
		Set Index:	1
		WBEA ID:	221105601
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.4	°C	
Pressure		701.0	mmHg	
Particulate Matter	0.042	4.208	µg/m ³	V0
Lithium	0.000016	0.000034	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004816	µg/m ³	V0
Magnesium	0.000279	0.042828	µg/m ³	V0
Aluminum	0.002800	0.015549	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.042757	µg/m ³	V0
Potassium	0.000402	0.002573	µg/m ³	V0
Calcium	0.013042	0.016825	µg/m ³	V0
Titanium	0.000031	0.000607	µg/m ³	V0
Vanadium	0.000018	0.000099	µg/m ³	V0
Chromium	0.000045	0.000515	µg/m ³	V0
Manganese	0.000028	0.002582	µg/m ³	V0
Iron	0.001585	0.456577	µg/m ³	V0
Cobalt	0.000005	0.000133	µg/m ³	V0
Nickel	0.000015	0.000323	µg/m ³	V0
Copper	0.000027	0.000120	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000371	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000007	µg/m ³	V0
Strontium	0.000012	0.000024	µg/m ³	V0
Niobium	0.000006	0.000300	µg/m ³	V0
Molybdenum	0.000025	0.001160	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000608	µg/m ³	V4
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000321	µg/m ³	V0
Antimony	0.000016	0.000386	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.011126	µg/m ³	V4
Tungsten	0.000005	0.007149	µg/m ³	V4
Platinum	0.000004	0.000004	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Fort Hills	Samp Use: Exposure	WBEA ID: 221105610
Start Date:	2022-11-25 00:00	Loc ID: FTHL	Duration: 24.0 hr
		End Date: 2022-11-26 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.5	°C	
Pressure		723.7	mmHg	
Particulate Matter	0.042	4.458	µg/m ³	V0
Lithium	0.000016	0.000166	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.056889	µg/m ³	V0
Magnesium	0.000279	0.076005	µg/m ³	V0
Aluminum	0.002800	0.106436	µg/m ³	V0
Silicon	0.010200	0.415038	µg/m ³	V0
Phosphorus	0.003480	0.045254	µg/m ³	V0
Potassium	0.000402	0.022679	µg/m ³	V0
Calcium	0.013042	0.068388	µg/m ³	V0
Titanium	0.000031	0.003947	µg/m ³	V0
Vanadium	0.000018	0.000529	µg/m ³	V0
Chromium	0.000045	0.000447	µg/m ³	V0
Manganese	0.000028	0.001459	µg/m ³	V0
Iron	0.001585	0.075435	µg/m ³	V0
Cobalt	0.000005	0.000069	µg/m ³	V0
Nickel	0.000015	0.000199	µg/m ³	V0
Copper	0.000027	0.000158	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000138	µg/m ³	V0
Strontium	0.000012	0.000332	µg/m ³	V0
Niobium	0.000006	0.000132	µg/m ³	V0
Molybdenum	0.000025	0.000246	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000087	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000290	µg/m ³	V0
Antimony	0.000016	0.000203	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000867	µg/m ³	V0
Lanthanum	0.000004	0.000050	µg/m ³	V0
Cerium	0.000013	0.000107	µg/m ³	V0
Praseodymium	0.000002	0.000012	µg/m ³	V0
Neodymium	0.000005	0.000047	µg/m ³	V0
Samarium	0.000006	0.000010	µg/m ³	V0
Tantalum	0.000003	0.000649	µg/m ³	V0
Tungsten	0.000005	0.000337	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000065	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000015	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221105649
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.5	°C	
Pressure		725.1	mmHg	
Particulate Matter	0.042	1.375	µg/m ³	V0
Lithium	0.000016	0.000062	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.051342	µg/m ³	V0
Magnesium	0.000279	0.068776	µg/m ³	V0
Aluminum	0.002800	0.062036	µg/m ³	V0
Silicon	0.010200	0.259654	µg/m ³	V0
Phosphorus	0.003480	0.049323	µg/m ³	V0
Potassium	0.000402	0.011435	µg/m ³	V0
Calcium	0.013042	0.030912	µg/m ³	V0
Titanium	0.000031	0.001177	µg/m ³	V0
Vanadium	0.000018	0.000199	µg/m ³	V0
Chromium	0.000045	0.000536	µg/m ³	V0
Manganese	0.000028	0.000406	µg/m ³	V0
Iron	0.001585	0.021494	µg/m ³	V0
Cobalt	0.000005	0.000036	µg/m ³	V0
Nickel	0.000015	0.000222	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.003049	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000044	µg/m ³	V0
Strontium	0.000012	0.000180	µg/m ³	V0
Niobium	0.000006	0.000108	µg/m ³	V0
Molybdenum	0.000025	0.000157	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000045	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000273	µg/m ³	V0
Antimony	0.000016	0.000037	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000248	µg/m ³	V0
Lanthanum	0.000004	0.000009	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000591	µg/m ³	V0
Tungsten	0.000005	0.000218	µg/m ³	V0
Platinum	0.000004	0.000028	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000060	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105652
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.7	°C	
Pressure		722.5	mmHg	
Particulate Matter	0.042	1.125	µg/m ³	V0
Lithium	0.000016	0.000068	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.035994	µg/m ³	V0
Magnesium	0.000279	0.051363	µg/m ³	V0
Aluminum	0.002800	0.037349	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.038912	µg/m ³	V0
Potassium	0.000402	0.009133	µg/m ³	V0
Calcium	0.013042	0.024871	µg/m ³	V0
Titanium	0.000031	0.001129	µg/m ³	V0
Vanadium	0.000018	0.000187	µg/m ³	V0
Chromium	0.000045	0.000225	µg/m ³	V0
Manganese	0.000028	0.000222	µg/m ³	V0
Iron	0.001585	0.011205	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000083	µg/m ³	V0
Copper	0.000027	0.000389	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000033	µg/m ³	V0
Strontium	0.000012	0.000081	µg/m ³	V0
Niobium	0.000006	0.000048	µg/m ³	V0
Molybdenum	0.000025	0.000067	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000028	µg/m ³	V0
Cadmium	0.000011	0.000013	µg/m ³	V0
Tin	0.000008	0.000251	µg/m ³	V0
Antimony	0.000016	0.000016	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	0.000013	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000007	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000272	µg/m ³	V0
Tungsten	0.000005	0.000126	µg/m ³	V0
Platinum	0.000004	0.000015	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000078	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105673
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.5	°C	
Pressure		725.0	mmHg	
Particulate Matter	0.042	1.500	µg/m ³	V0
Lithium	0.000016	0.000069	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.030091	µg/m ³	V0
Magnesium	0.000279	0.056710	µg/m ³	V0
Aluminum	0.002800	0.043010	µg/m ³	V0
Silicon	0.010200	0.142770	µg/m ³	V0
Phosphorus	0.003480	0.040012	µg/m ³	V0
Potassium	0.000402	0.005625	µg/m ³	V0
Calcium	0.013042	0.039491	µg/m ³	V0
Titanium	0.000031	0.001057	µg/m ³	V0
Vanadium	0.000018	0.000282	µg/m ³	V0
Chromium	0.000045	0.000649	µg/m ³	V0
Manganese	0.000028	0.000395	µg/m ³	V0
Iron	0.001585	0.017650	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000284	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.000338	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000038	µg/m ³	V0
Strontium	0.000012	0.000105	µg/m ³	V0
Niobium	0.000006	0.000091	µg/m ³	V0
Molybdenum	0.000025	0.000048	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000302	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000230	µg/m ³	V0
Lanthanum	0.000004	0.000011	µg/m ³	V0
Cerium	0.000013	0.000022	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000012	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000468	µg/m ³	V0
Tungsten	0.000005	0.000094	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000041	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105681
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.1	°C	
Pressure		726.5	mmHg	
Particulate Matter	0.042	1.042	µg/m ³	V0
Lithium	0.000016	0.000054	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.018482	µg/m ³	V0
Magnesium	0.000279	0.065535	µg/m ³	V0
Aluminum	0.002800	0.031639	µg/m ³	V0
Silicon	0.010200	0.379812	µg/m ³	V0
Phosphorus	0.003480	0.042252	µg/m ³	V0
Potassium	0.000402	0.004263	µg/m ³	V0
Calcium	0.013042	0.040271	µg/m ³	V0
Titanium	0.000031	0.001207	µg/m ³	V0
Vanadium	0.000018	0.000271	µg/m ³	V0
Chromium	0.000045	0.000583	µg/m ³	V0
Manganese	0.000028	0.000417	µg/m ³	V0
Iron	0.001585	0.015176	µg/m ³	V0
Cobalt	0.000005	0.000038	µg/m ³	V0
Nickel	0.000015	0.000195	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.001088	µg/m ³	V0
Arsenic	0.000005	0.000059	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000027	µg/m ³	V0
Strontium	0.000012	0.000092	µg/m ³	V0
Niobium	0.000006	0.000083	µg/m ³	V0
Molybdenum	0.000025	0.000039	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000308	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000175	µg/m ³	V0
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000028	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000013	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000465	µg/m ³	V0
Tungsten	0.000005	0.000050	µg/m ³	V0
Platinum	0.000004	0.000040	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000063	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Athabasca Valley	Loc ID:	ATHV
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00
		Set Index:	1
		WBEA ID:	221105686
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.9	°C	
Pressure		728.4	mmHg	
Particulate Matter	0.042	9.375	µg/m ³	V0
Lithium	0.000016	0.000051	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.073893	µg/m ³	V0
Magnesium	0.000279	0.044756	µg/m ³	V0
Aluminum	0.002800	0.017258	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.037732	µg/m ³	V0
Potassium	0.000402	0.009811	µg/m ³	V0
Calcium	0.013042	0.031750	µg/m ³	V0
Titanium	0.000031	0.001020	µg/m ³	V0
Vanadium	0.000018	0.000205	µg/m ³	V0
Chromium	0.000045	0.000662	µg/m ³	V0
Manganese	0.000028	0.000424	µg/m ³	V0
Iron	0.001585	0.025299	µg/m ³	V0
Cobalt	0.000005	0.000030	µg/m ³	V0
Nickel	0.000015	0.000291	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	0.002352	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.000107	µg/m ³	V0
Niobium	0.000006	0.000064	µg/m ³	V0
Molybdenum	0.000025	0.000053	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000249	µg/m ³	V0
Antimony	0.000016	0.000091	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.001308	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000408	µg/m ³	V0
Tungsten	0.000005	0.000056	µg/m ³	V0
Platinum	0.000004	0.000029	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000030	µg/m ³	V0
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105692
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.5	°C	
Pressure		716.7	mmHg	
Particulate Matter	0.042	0.583	µg/m ³	V0
Lithium	0.000016	0.000051	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.019159	µg/m ³	V0
Magnesium	0.000279	0.060854	µg/m ³	V0
Aluminum	0.002800	0.030982	µg/m ³	V0
Silicon	0.010200	0.141016	µg/m ³	V0
Phosphorus	0.003480	0.040558	µg/m ³	V0
Potassium	0.000402	0.002500	µg/m ³	V0
Calcium	0.013042	0.022975	µg/m ³	V0
Titanium	0.000031	0.000747	µg/m ³	V0
Vanadium	0.000018	0.000176	µg/m ³	V0
Chromium	0.000045	0.000404	µg/m ³	V0
Manganese	0.000028	0.000317	µg/m ³	V0
Iron	0.001585	0.011530	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000147	µg/m ³	V0
Copper	0.000027	-8888	µg/m ³	V1
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.000076	µg/m ³	V0
Niobium	0.000006	0.000092	µg/m ³	V0
Molybdenum	0.000025	0.000033	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000338	µg/m ³	V0
Antimony	0.000016	0.000021	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000110	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000471	µg/m ³	V0
Tungsten	0.000005	0.000240	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000038	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 221105719
Start Date:	2022-11-28 15:50	End Date:	2022-11-28 15:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	
Particulate Matter	0.042	0.000	µg/m ³	
Lithium	0.000016	0.000061	µg/m ³	
Beryllium	0.000013	0.000003	µg/m ³	
Sodium	0.000777	0.002125	µg/m ³	
Magnesium	0.000279	0.000000	µg/m ³	
Aluminum	0.002800	0.000000	µg/m ³	
Silicon	0.010200	0.000000	µg/m ³	
Phosphorus	0.003480	0.060028	µg/m ³	
Potassium	0.000402	0.043488	µg/m ³	
Calcium	0.013042	0.014875	µg/m ³	
Titanium	0.000031	0.000570	µg/m ³	
Vanadium	0.000018	0.000023	µg/m ³	
Chromium	0.000045	0.000678	µg/m ³	
Manganese	0.000028	0.000017	µg/m ³	
Iron	0.001585	0.005146	µg/m ³	
Cobalt	0.000005	0.000021	µg/m ³	
Nickel	0.000015	0.000246	µg/m ³	
Copper	0.000027	0.000801	µg/m ³	
Zinc	0.000149	0.000000	µg/m ³	
Arsenic	0.000005	0.000028	µg/m ³	
Selenium	0.000133	0.000145	µg/m ³	
Rubidium	0.000003	0.000000	µg/m ³	
Strontium	0.000012	0.000000	µg/m ³	
Niobium	0.000006	0.000572	µg/m ³	
Molybdenum	0.000025	0.000065	µg/m ³	
Palladium	0.000050	0.000061	µg/m ³	
Silver	0.000006	0.000031	µg/m ³	
Cadmium	0.000011	0.000001	µg/m ³	
Tin	0.000008	0.042542	µg/m ³	
Antimony	0.000016	0.000052	µg/m ³	
Cesium	0.000004	0.000000	µg/m ³	
Barium	0.000054	0.000000	µg/m ³	
Lanthanum	0.000004	0.000000	µg/m ³	
Cerium	0.000013	0.000000	µg/m ³	
Praseodymium	0.000002	0.000000	µg/m ³	
Neodymium	0.000005	0.000000	µg/m ³	
Samarium	0.000006	0.000000	µg/m ³	
Tantalum	0.000003	0.001946	µg/m ³	
Tungsten	0.000005	0.000264	µg/m ³	
Platinum	0.000004	0.000016	µg/m ³	
Thallium	0.000005	0.000028	µg/m ³	
Lead	0.000018	0.000045	µg/m ³	
Bismuth	0.000004	0.000002	µg/m ³	
Thorium	0.000002	0.000007	µg/m ³	
Uranium	0.000003	0.000001	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221105707
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		736.1	mmHg	
Particulate Matter	0.042	5.875	µg/m ³	V0
Lithium	0.000016	0.000177	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.085602	µg/m ³	V0
Magnesium	0.000279	0.038645	µg/m ³	V0
Aluminum	0.002800	0.167777	µg/m ³	V0
Silicon	0.010200	0.216319	µg/m ³	V0
Phosphorus	0.003480	0.080936	µg/m ³	V0
Potassium	0.000402	0.326704	µg/m ³	V0
Calcium	0.013042	0.909763	µg/m ³	V0
Titanium	0.000031	0.005675	µg/m ³	V0
Vanadium	0.000018	0.000542	µg/m ³	V0
Chromium	0.000045	0.001091	µg/m ³	V0
Manganese	0.000028	0.002663	µg/m ³	V0
Iron	0.001585	0.131216	µg/m ³	V0
Cobalt	0.000005	0.000105	µg/m ³	V0
Nickel	0.000015	0.000538	µg/m ³	V0
Copper	0.000027	0.000776	µg/m ³	V0
Zinc	0.000149	0.000716	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000191	µg/m ³	V0
Strontium	0.000012	0.001006	µg/m ³	V0
Niobium	0.000006	0.000158	µg/m ³	V0
Molybdenum	0.000025	0.000120	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.044281	µg/m ³	V0
Antimony	0.000016	0.000043	µg/m ³	V0
Cesium	0.000004	0.000011	µg/m ³	V0
Barium	0.000054	0.001672	µg/m ³	V0
Lanthanum	0.000004	0.000077	µg/m ³	V0
Cerium	0.000013	0.000170	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000077	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.000632	µg/m ³	V0
Tungsten	0.000005	0.000177	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000167	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105714
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		740.7	mmHg	
Particulate Matter	0.042	4.083	µg/m ³	V0
Lithium	0.000016	0.000110	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.088939	µg/m ³	V0
Magnesium	0.000279	0.031734	µg/m ³	V0
Aluminum	0.002800	0.092514	µg/m ³	V0
Silicon	0.010200	0.041008	µg/m ³	V0
Phosphorus	0.003480	0.047720	µg/m ³	V0
Potassium	0.000402	0.084482	µg/m ³	V0
Calcium	0.013042	0.087493	µg/m ³	V0
Titanium	0.000031	0.005105	µg/m ³	V0
Vanadium	0.000018	0.000415	µg/m ³	V0
Chromium	0.000045	0.000904	µg/m ³	V0
Manganese	0.000028	0.001120	µg/m ³	V0
Iron	0.001585	0.069121	µg/m ³	V0
Cobalt	0.000005	0.000062	µg/m ³	V0
Nickel	0.000015	0.000421	µg/m ³	V0
Copper	0.000027	0.001974	µg/m ³	V0
Zinc	0.000149	0.003804	µg/m ³	V0
Arsenic	0.000005	0.000008	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000114	µg/m ³	V0
Strontium	0.000012	0.000402	µg/m ³	V0
Niobium	0.000006	0.000083	µg/m ³	V0
Molybdenum	0.000025	0.000203	µg/m ³	V0
Palladium	0.000050	0.000060	µg/m ³	V0
Silver	0.000006	0.000035	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.069552	µg/m ³	V0
Antimony	0.000016	0.000287	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.002649	µg/m ³	V0
Lanthanum	0.000004	0.000054	µg/m ³	V0
Cerium	0.000013	0.000195	µg/m ³	V0
Praseodymium	0.000002	0.000028	µg/m ³	V0
Neodymium	0.000005	0.000060	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000541	µg/m ³	V0
Tungsten	0.000005	0.000078	µg/m ³	V0
Platinum	0.000004	0.000049	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000368	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105725
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		728.0	mmHg	
Particulate Matter	0.042	3.500	µg/m ³	V0
Lithium	0.000016	0.000092	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.052594	µg/m ³	V0
Magnesium	0.000279	0.011726	µg/m ³	V0
Aluminum	0.002800	0.027638	µg/m ³	V0
Silicon	0.010200	0.044268	µg/m ³	V0
Phosphorus	0.003480	0.064908	µg/m ³	V0
Potassium	0.000402	0.069374	µg/m ³	V0
Calcium	0.013042	0.078128	µg/m ³	V0
Titanium	0.000031	0.002486	µg/m ³	V0
Vanadium	0.000018	0.000158	µg/m ³	V0
Chromium	0.000045	0.000614	µg/m ³	V0
Manganese	0.000028	0.000929	µg/m ³	V0
Iron	0.001585	0.051757	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000306	µg/m ³	V0
Copper	0.000027	0.000985	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000170	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000055	µg/m ³	V0
Strontium	0.000012	0.000240	µg/m ³	V0
Niobium	0.000006	0.000835	µg/m ³	V0
Molybdenum	0.000025	0.000144	µg/m ³	V0
Palladium	0.000050	0.000118	µg/m ³	V0
Silver	0.000006	0.000073	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.041897	µg/m ³	V0
Antimony	0.000016	0.000272	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001892	µg/m ³	V0
Lanthanum	0.000004	0.000035	µg/m ³	V0
Cerium	0.000013	0.000174	µg/m ³	V0
Praseodymium	0.000002	0.000032	µg/m ³	V0
Neodymium	0.000005	0.000055	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.004380	µg/m ³	V0
Tungsten	0.000005	0.000456	µg/m ³	V0
Platinum	0.000004	0.000011	µg/m ³	V0
Thallium	0.000005	0.000058	µg/m ³	V0
Lead	0.000018	0.000236	µg/m ³	V0
Bismuth	0.000004	0.000024	µg/m ³	V0
Thorium	0.000002	0.000031	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00
		Set Index:	1
		WBEA ID:	221105733
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-27.0	°C	
Pressure		737.3	mmHg	
Particulate Matter	0.042	5.583	µg/m ³	V0
Lithium	0.000016	0.000154	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.063316	µg/m ³	V0
Magnesium	0.000279	0.018659	µg/m ³	V0
Aluminum	0.002800	0.092671	µg/m ³	V0
Silicon	0.010200	0.107665	µg/m ³	V0
Phosphorus	0.003480	0.063085	µg/m ³	V0
Potassium	0.000402	0.105450	µg/m ³	V0
Calcium	0.013042	0.147313	µg/m ³	V0
Titanium	0.000031	0.004433	µg/m ³	V0
Vanadium	0.000018	0.001029	µg/m ³	V0
Chromium	0.000045	0.001043	µg/m ³	V0
Manganese	0.000028	0.001779	µg/m ³	V0
Iron	0.001585	0.069322	µg/m ³	V0
Cobalt	0.000005	0.000067	µg/m ³	V0
Nickel	0.000015	0.000604	µg/m ³	V0
Copper	0.000027	0.000547	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000654	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000155	µg/m ³	V0
Strontium	0.000012	0.000377	µg/m ³	V0
Niobium	0.000006	0.000232	µg/m ³	V0
Molybdenum	0.000025	0.000149	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.039868	µg/m ³	V0
Antimony	0.000016	0.000075	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.001381	µg/m ³	V0
Lanthanum	0.000004	0.000056	µg/m ³	V0
Cerium	0.000013	0.000121	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000046	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000906	µg/m ³	V0
Tungsten	0.000005	0.000183	µg/m ³	V0
Platinum	0.000004	0.000016	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000145	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000016	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105753
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		716.7	mmHg	
Particulate Matter	0.042	1.833	µg/m ³	V0
Lithium	0.000016	0.000046	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.071320	µg/m ³	V0
Magnesium	0.000279	0.005138	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.058710	µg/m ³	V0
Potassium	0.000402	0.061076	µg/m ³	V0
Calcium	0.013042	0.073382	µg/m ³	V0
Titanium	0.000031	0.000725	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000488	µg/m ³	V0
Manganese	0.000028	0.000210	µg/m ³	V0
Iron	0.001585	0.011577	µg/m ³	V0
Cobalt	0.000005	0.000023	µg/m ³	V0
Nickel	0.000015	0.000184	µg/m ³	V0
Copper	0.000027	0.000339	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000031	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000016	µg/m ³	V0
Strontium	0.000012	0.000116	µg/m ³	V0
Niobium	0.000006	0.000200	µg/m ³	V0
Molybdenum	0.000025	0.000035	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000011	µg/m ³	V0
Tin	0.000008	0.041521	µg/m ³	V0
Antimony	0.000016	0.000051	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000298	µg/m ³	V0
Lanthanum	0.000004	0.000007	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000856	µg/m ³	V0
Tungsten	0.000005	0.000098	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000073	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105772
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		709.0	mmHg	
Particulate Matter	0.042	3.167	µg/m ³	V0
Lithium	0.000016	0.000034	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.080617	µg/m ³	V0
Magnesium	0.000279	0.004645	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.057345	µg/m ³	V0
Potassium	0.000402	0.071995	µg/m ³	V0
Calcium	0.013042	0.068776	µg/m ³	V0
Titanium	0.000031	0.000590	µg/m ³	V0
Vanadium	0.000018	0.000065	µg/m ³	V0
Chromium	0.000045	0.001161	µg/m ³	V0
Manganese	0.000028	0.000432	µg/m ³	V0
Iron	0.001585	0.030076	µg/m ³	V0
Cobalt	0.000005	0.000032	µg/m ³	V0
Nickel	0.000015	0.000492	µg/m ³	V0
Copper	0.000027	0.000199	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000010	µg/m ³	V0
Strontium	0.000012	0.000098	µg/m ³	V0
Niobium	0.000006	0.000205	µg/m ³	V0
Molybdenum	0.000025	0.000052	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.041810	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000255	µg/m ³	V0
Lanthanum	0.000004	0.000015	µg/m ³	V0
Cerium	0.000013	0.000027	µg/m ³	V0
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000911	µg/m ³	V0
Tungsten	0.000005	0.000095	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000060	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105777
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		714.6	mmHg	
Particulate Matter	0.042	2.042	µg/m ³	V0
Lithium	0.000016	0.000067	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.032934	µg/m ³	V0
Magnesium	0.000279	0.005547	µg/m ³	V0
Aluminum	0.002800	0.005596	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.057374	µg/m ³	V0
Potassium	0.000402	0.064499	µg/m ³	V0
Calcium	0.013042	0.098795	µg/m ³	V0
Titanium	0.000031	0.000900	µg/m ³	V0
Vanadium	0.000018	0.000049	µg/m ³	V0
Chromium	0.000045	0.000629	µg/m ³	V0
Manganese	0.000028	0.000408	µg/m ³	V0
Iron	0.001585	0.022533	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000266	µg/m ³	V0
Copper	0.000027	0.000588	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000007	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000011	µg/m ³	V0
Strontium	0.000012	0.000132	µg/m ³	V0
Niobium	0.000006	0.000418	µg/m ³	V0
Molybdenum	0.000025	0.000046	µg/m ³	V0
Palladium	0.000050	0.000095	µg/m ³	V0
Silver	0.000006	0.000048	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.038619	µg/m ³	V0
Antimony	0.000016	0.000040	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000247	µg/m ³	V0
Lanthanum	0.000004	0.000010	µg/m ³	V0
Cerium	0.000013	0.000030	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001585	µg/m ³	V0
Tungsten	0.000005	0.000184	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000120	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221105799
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

Gloved finger came in brief contact with filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		737.7	mmHg	
Particulate Matter	0.042	4.375	µg/m ³	V0
Lithium	0.000016	0.000088	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.063650	µg/m ³	V0
Magnesium	0.000279	0.013903	µg/m ³	V0
Aluminum	0.002800	0.070702	µg/m ³	V0
Silicon	0.010200	0.144199	µg/m ³	V0
Phosphorus	0.003480	0.066992	µg/m ³	V0
Potassium	0.000402	0.088356	µg/m ³	V0
Calcium	0.013042	0.135215	µg/m ³	V0
Titanium	0.000031	0.003516	µg/m ³	V0
Vanadium	0.000018	0.000475	µg/m ³	V0
Chromium	0.000045	0.000981	µg/m ³	V0
Manganese	0.000028	0.001459	µg/m ³	V0
Iron	0.001585	0.064826	µg/m ³	V0
Cobalt	0.000005	0.000059	µg/m ³	V0
Nickel	0.000015	0.000474	µg/m ³	V0
Copper	0.000027	0.000622	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000098	µg/m ³	V0
Strontium	0.000012	0.000352	µg/m ³	V0
Niobium	0.000006	0.000187	µg/m ³	V0
Molybdenum	0.000025	0.000127	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.042543	µg/m ³	V0
Antimony	0.000016	0.000062	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001042	µg/m ³	V0
Lanthanum	0.000004	0.000049	µg/m ³	V0
Cerium	0.000013	0.000109	µg/m ³	V0
Praseodymium	0.000002	0.000012	µg/m ³	V0
Neodymium	0.000005	0.000047	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000748	µg/m ³	V0
Tungsten	0.000005	0.000143	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000115	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221105804
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		739.9	mmHg	
Particulate Matter	0.042	5.208	µg/m ³	V0
Lithium	0.000016	0.000127	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.060701	µg/m ³	V0
Magnesium	0.000279	0.021776	µg/m ³	V0
Aluminum	0.002800	0.081163	µg/m ³	V0
Silicon	0.010200	0.067327	µg/m ³	V0
Phosphorus	0.003480	0.026217	µg/m ³	V0
Potassium	0.000402	0.052158	µg/m ³	V0
Calcium	0.013042	0.085726	µg/m ³	V0
Titanium	0.000031	0.003775	µg/m ³	V0
Vanadium	0.000018	0.001327	µg/m ³	V0
Chromium	0.000045	0.000654	µg/m ³	V0
Manganese	0.000028	0.000899	µg/m ³	V0
Iron	0.001585	0.039130	µg/m ³	V0
Cobalt	0.000005	0.000103	µg/m ³	V0
Nickel	0.000015	0.000548	µg/m ³	V0
Copper	0.000027	0.000383	µg/m ³	V0
Zinc	0.000149	0.001744	µg/m ³	V0
Arsenic	0.000005	0.000008	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000106	µg/m ³	V0
Strontium	0.000012	0.000305	µg/m ³	V0
Niobium	0.000006	0.000258	µg/m ³	V0
Molybdenum	0.000025	0.000163	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000230	µg/m ³	V0
Antimony	0.000016	0.000033	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000554	µg/m ³	V0
Lanthanum	0.000004	0.000034	µg/m ³	V0
Cerium	0.000013	0.000075	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000034	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001161	µg/m ³	V0
Tungsten	0.000005	0.000103	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000143	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105810
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		734.5	mmHg	
Particulate Matter	0.042	4.625	µg/m ³	V0
Lithium	0.000016	0.000201	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.071667	µg/m ³	V0
Magnesium	0.000279	0.031018	µg/m ³	V0
Aluminum	0.002800	0.191902	µg/m ³	V0
Silicon	0.010200	0.260469	µg/m ³	V0
Phosphorus	0.003480	0.083481	µg/m ³	V0
Potassium	0.000402	0.111303	µg/m ³	V0
Calcium	0.013042	0.139949	µg/m ³	V0
Titanium	0.000031	0.005566	µg/m ³	V0
Vanadium	0.000018	0.000468	µg/m ³	V0
Chromium	0.000045	0.000652	µg/m ³	V0
Manganese	0.000028	0.001875	µg/m ³	V0
Iron	0.001585	0.102671	µg/m ³	V0
Cobalt	0.000005	0.000096	µg/m ³	V0
Nickel	0.000015	0.000231	µg/m ³	V0
Copper	0.000027	0.002241	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000208	µg/m ³	V0
Strontium	0.000012	0.000495	µg/m ³	V0
Niobium	0.000006	0.000214	µg/m ³	V0
Molybdenum	0.000025	0.000136	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000041	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.036132	µg/m ³	V0
Antimony	0.000016	0.000050	µg/m ³	V0
Cesium	0.000004	0.000014	µg/m ³	V0
Barium	0.000054	0.001602	µg/m ³	V0
Lanthanum	0.000004	0.000077	µg/m ³	V0
Cerium	0.000013	0.000172	µg/m ³	V0
Praseodymium	0.000002	0.000020	µg/m ³	V0
Neodymium	0.000005	0.000077	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.000706	µg/m ³	V0
Tungsten	0.000005	0.000208	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000162	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000026	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 221205825
Start Date:	2022-12-05 09:24	End Date:	2022-12-05 09:25	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000037	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.004031	µg/m ³	V0
Magnesium	0.000279	0.000432	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.043042	µg/m ³	V0
Potassium	0.000402	0.054557	µg/m ³	V0
Calcium	0.013042	0.016937	µg/m ³	V0
Titanium	0.000031	0.000504	µg/m ³	V0
Vanadium	0.000018	0.000172	µg/m ³	V0
Chromium	0.000045	0.000517	µg/m ³	V0
Manganese	0.000028	0.000091	µg/m ³	V0
Iron	0.001585	0.003392	µg/m ³	V0
Cobalt	0.000005	0.000020	µg/m ³	V0
Nickel	0.000015	0.000183	µg/m ³	V0
Copper	0.000027	0.000634	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000004	µg/m ³	V0
Strontium	0.000012	0.000050	µg/m ³	V0
Niobium	0.000006	0.000150	µg/m ³	V0
Molybdenum	0.000025	-8888	µg/m ³	V1
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.069870	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000847	µg/m ³	V0
Tungsten	0.000005	0.000045	µg/m ³	V0
Platinum	0.000004	0.000038	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000056	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221205818
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		723.2	mmHg	
Particulate Matter	0.042	10.375	µg/m ³	V0
Lithium	0.000016	0.000202	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.174760	µg/m ³	V0
Magnesium	0.000279	0.063430	µg/m ³	V0
Aluminum	0.002800	0.165091	µg/m ³	V0
Silicon	0.010200	0.238897	µg/m ³	V0
Phosphorus	0.003480	0.063501	µg/m ³	V0
Potassium	0.000402	0.203147	µg/m ³	V0
Calcium	0.013042	0.550801	µg/m ³	V0
Titanium	0.000031	0.006855	µg/m ³	V0
Vanadium	0.000018	0.000877	µg/m ³	V0
Chromium	0.000045	0.001237	µg/m ³	V0
Manganese	0.000028	0.006813	µg/m ³	V0
Iron	0.001585	0.142065	µg/m ³	V0
Cobalt	0.000005	0.000143	µg/m ³	V0
Nickel	0.000015	0.000554	µg/m ³	V0
Copper	0.000027	0.001405	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000133	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000469	µg/m ³	V0
Strontium	0.000012	0.001309	µg/m ³	V0
Niobium	0.000006	0.000305	µg/m ³	V0
Molybdenum	0.000025	0.000238	µg/m ³	V0
Palladium	0.000050	0.000077	µg/m ³	V0
Silver	0.000006	0.000020	µg/m ³	V0
Cadmium	0.000011	0.000032	µg/m ³	V0
Tin	0.000008	0.041178	µg/m ³	V0
Antimony	0.000016	0.000278	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.004467	µg/m ³	V0
Lanthanum	0.000004	0.000150	µg/m ³	V0
Cerium	0.000013	0.000271	µg/m ³	V0
Praseodymium	0.000002	0.000027	µg/m ³	V0
Neodymium	0.000005	0.000102	µg/m ³	V0
Samarium	0.000006	0.000019	µg/m ³	V0
Tantalum	0.000003	0.001139	µg/m ³	V0
Tungsten	0.000005	0.000305	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000016	µg/m ³	V0
Lead	0.000018	0.000471	µg/m ³	V0
Bismuth	0.000004	0.000014	µg/m ³	V0
Thorium	0.000002	0.000031	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205830
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	10.417	µg/m ³	V0
Lithium	0.000016	0.000124	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.321819	µg/m ³	V0
Magnesium	0.000279	0.044965	µg/m ³	V0
Aluminum	0.002800	0.092359	µg/m ³	V0
Silicon	0.010200	0.109311	µg/m ³	V0
Phosphorus	0.003480	0.059244	µg/m ³	V0
Potassium	0.000402	0.143129	µg/m ³	V0
Calcium	0.013042	0.293958	µg/m ³	V0
Titanium	0.000031	0.005714	µg/m ³	V0
Vanadium	0.000018	0.000523	µg/m ³	V0
Chromium	0.000045	0.000673	µg/m ³	V0
Manganese	0.000028	0.003876	µg/m ³	V0
Iron	0.001585	0.130757	µg/m ³	V0
Cobalt	0.000005	0.000107	µg/m ³	V0
Nickel	0.000015	0.000363	µg/m ³	V0
Copper	0.000027	0.001988	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000219	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000223	µg/m ³	V0
Strontium	0.000012	0.000959	µg/m ³	V0
Niobium	0.000006	0.000197	µg/m ³	V0
Molybdenum	0.000025	0.000202	µg/m ³	V0
Palladium	0.000050	0.000081	µg/m ³	V0
Silver	0.000006	0.000018	µg/m ³	V0
Cadmium	0.000011	0.000041	µg/m ³	V0
Tin	0.000008	0.041978	µg/m ³	V0
Antimony	0.000016	0.000517	µg/m ³	V0
Cesium	0.000004	0.000009	µg/m ³	V0
Barium	0.000054	0.007081	µg/m ³	V0
Lanthanum	0.000004	0.000091	µg/m ³	V0
Cerium	0.000013	0.000151	µg/m ³	V0
Praseodymium	0.000002	0.000015	µg/m ³	V0
Neodymium	0.000005	0.000056	µg/m ³	V0
Samarium	0.000006	0.000011	µg/m ³	V0
Tantalum	0.000003	0.000791	µg/m ³	V0
Tungsten	0.000005	0.000234	µg/m ³	V0
Platinum	0.000004	0.000019	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000280	µg/m ³	V0
Bismuth	0.000004	0.000019	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205837
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		709.7	mmHg	
Particulate Matter	0.042	4.875	µg/m ³	V0
Lithium	0.000016	0.000080	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.121596	µg/m ³	V0
Magnesium	0.000279	0.039829	µg/m ³	V0
Aluminum	0.002800	0.041380	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.045828	µg/m ³	V0
Potassium	0.000402	0.089659	µg/m ³	V0
Calcium	0.013042	0.055445	µg/m ³	V0
Titanium	0.000031	0.001957	µg/m ³	V0
Vanadium	0.000018	0.000670	µg/m ³	V0
Chromium	0.000045	0.000641	µg/m ³	V0
Manganese	0.000028	0.000922	µg/m ³	V0
Iron	0.001585	0.047588	µg/m ³	V0
Cobalt	0.000005	0.000050	µg/m ³	V0
Nickel	0.000015	0.000293	µg/m ³	V0
Copper	0.000027	0.000684	µg/m ³	V0
Zinc	0.000149	0.002929	µg/m ³	V0
Arsenic	0.000005	0.000110	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000092	µg/m ³	V0
Strontium	0.000012	0.000350	µg/m ³	V0
Niobium	0.000006	0.000125	µg/m ³	V0
Molybdenum	0.000025	0.000136	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000043	µg/m ³	V0
Tin	0.000008	0.074178	µg/m ³	V0
Antimony	0.000016	0.000736	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000653	µg/m ³	V0
Lanthanum	0.000004	0.000081	µg/m ³	V0
Cerium	0.000013	0.000041	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000017	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000776	µg/m ³	V0
Tungsten	0.000005	0.000086	µg/m ³	V0
Platinum	0.000004	0.000039	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000318	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205846
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		712.2	mmHg	
Particulate Matter	0.042	9.333	µg/m ³	V0
Lithium	0.000016	0.000074	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.153441	µg/m ³	V0
Magnesium	0.000279	0.045851	µg/m ³	V0
Aluminum	0.002800	0.040073	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.040871	µg/m ³	V0
Potassium	0.000402	0.095999	µg/m ³	V0
Calcium	0.013042	0.046633	µg/m ³	V0
Titanium	0.000031	0.001744	µg/m ³	V0
Vanadium	0.000018	0.000440	µg/m ³	V0
Chromium	0.000045	0.001066	µg/m ³	V0
Manganese	0.000028	0.000890	µg/m ³	V0
Iron	0.001585	0.028235	µg/m ³	V0
Cobalt	0.000005	0.000049	µg/m ³	V0
Nickel	0.000015	0.000407	µg/m ³	V0
Copper	0.000027	0.000482	µg/m ³	V0
Zinc	0.000149	0.004268	µg/m ³	V0
Arsenic	0.000005	0.000161	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000108	µg/m ³	V0
Strontium	0.000012	0.000375	µg/m ³	V0
Niobium	0.000006	0.000198	µg/m ³	V0
Molybdenum	0.000025	0.000083	µg/m ³	V0
Palladium	0.000050	0.000051	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000049	µg/m ³	V0
Tin	0.000008	0.067887	µg/m ³	V0
Antimony	0.000016	0.000161	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000582	µg/m ³	V0
Lanthanum	0.000004	0.000071	µg/m ³	V0
Cerium	0.000013	0.000041	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000016	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001151	µg/m ³	V0
Tungsten	0.000005	0.000133	µg/m ³	V0
Platinum	0.000004	0.000037	µg/m ³	V0
Thallium	0.000005	0.000011	µg/m ³	V0
Lead	0.000018	0.000331	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000007	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221205851	
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		728.7	mmHg	
Particulate Matter	0.042	5.125	µg/m ³	V0
Lithium	0.000016	0.000147	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.183942	µg/m ³	V0
Magnesium	0.000279	0.039627	µg/m ³	V0
Aluminum	0.002800	0.077697	µg/m ³	V0
Silicon	0.010200	0.077484	µg/m ³	V0
Phosphorus	0.003480	0.080057	µg/m ³	V0
Potassium	0.000402	0.354357	µg/m ³	V0
Calcium	0.013042	0.845220	µg/m ³	V0
Titanium	0.000031	0.002186	µg/m ³	V0
Vanadium	0.000018	0.000422	µg/m ³	V0
Chromium	0.000045	0.001014	µg/m ³	V0
Manganese	0.000028	0.000959	µg/m ³	V0
Iron	0.001585	0.043251	µg/m ³	V0
Cobalt	0.000005	0.000076	µg/m ³	V0
Nickel	0.000015	0.000734	µg/m ³	V0
Copper	0.000027	0.000590	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000850	µg/m ³	V0
Selenium	0.000133	0.000328	µg/m ³	V0
Rubidium	0.000003	0.000129	µg/m ³	V0
Strontium	0.000012	0.000881	µg/m ³	V0
Niobium	0.000006	0.000102	µg/m ³	V0
Molybdenum	0.000025	0.000097	µg/m ³	V0
Palladium	0.000050	0.000318	µg/m ³	V0
Silver	0.000006	0.000022	µg/m ³	V0
Cadmium	0.000011	0.000052	µg/m ³	V0
Tin	0.000008	0.047265	µg/m ³	V0
Antimony	0.000016	0.000153	µg/m ³	V0
Cesium	0.000004	0.000029	µg/m ³	V0
Barium	0.000054	0.000798	µg/m ³	V0
Lanthanum	0.000004	0.000131	µg/m ³	V0
Cerium	0.000013	0.000083	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000042	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000849	µg/m ³	V0
Tungsten	0.000005	0.000351	µg/m ³	V0
Platinum	0.000004	0.000044	µg/m ³	V0
Thallium	0.000005	0.000649	µg/m ³	V4
Lead	0.000018	0.000425	µg/m ³	V0
Bismuth	0.000004	0.000205	µg/m ³	V0
Thorium	0.000002	0.000083	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205858
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		704.7	mmHg	
Particulate Matter	0.042	6.167	µg/m ³	V0
Lithium	0.000016	0.000083	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.110532	µg/m ³	V0
Magnesium	0.000279	0.043493	µg/m ³	V0
Aluminum	0.002800	0.049745	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.044217	µg/m ³	V0
Potassium	0.000402	0.106113	µg/m ³	V0
Calcium	0.013042	0.068074	µg/m ³	V0
Titanium	0.000031	0.001978	µg/m ³	V0
Vanadium	0.000018	0.000349	µg/m ³	V0
Chromium	0.000045	0.000943	µg/m ³	V0
Manganese	0.000028	0.000990	µg/m ³	V0
Iron	0.001585	0.046595	µg/m ³	V0
Cobalt	0.000005	0.000063	µg/m ³	V0
Nickel	0.000015	0.000404	µg/m ³	V0
Copper	0.000027	0.000343	µg/m ³	V0
Zinc	0.000149	0.004006	µg/m ³	V0
Arsenic	0.000005	0.000070	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000149	µg/m ³	V0
Strontium	0.000012	0.000415	µg/m ³	V0
Niobium	0.000006	0.000149	µg/m ³	V0
Molybdenum	0.000025	0.000093	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000056	µg/m ³	V0
Tin	0.000008	0.073544	µg/m ³	V0
Antimony	0.000016	0.000090	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000625	µg/m ³	V0
Lanthanum	0.000004	0.000061	µg/m ³	V0
Cerium	0.000013	0.000047	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000018	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000959	µg/m ³	V0
Tungsten	0.000005	0.000152	µg/m ³	V0
Platinum	0.000004	0.000040	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000315	µg/m ³	V0
Bismuth	0.000004	0.000006	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: **PM10 Metal**
Location: **Fort Hills**
Start Date: **2022-12-07 00:00**

Deployment Information

Samp Use: **Exposure**
Loc ID: **FTHL**
End Date: **2022-12-08 00:00**

Set Index: **1**
WBEA ID: **221205865**
Duration: **24.0 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		731.8	mmHg	
Particulate Matter	0.042	28.958	µg/m ³	V0
Lithium	0.000016	0.001230	µg/m ³	V0
Beryllium	0.000013	0.000039	µg/m ³	V0
Sodium	0.000777	0.293031	µg/m ³	V0
Magnesium	0.000279	0.276157	µg/m ³	V0
Aluminum	0.002800	1.247940	µg/m ³	V0
Silicon	0.010200	0.708926	µg/m ³	V0
Phosphorus	0.003480	0.068215	µg/m ³	V0
Potassium	0.000402	0.629023	µg/m ³	V0
Calcium	0.013042	1.724625	µg/m ³	V0
Titanium	0.000031	0.041054	µg/m ³	V0
Vanadium	0.000018	0.004099	µg/m ³	V0
Chromium	0.000045	0.002494	µg/m ³	V0
Manganese	0.000028	0.017860	µg/m ³	V0
Iron	0.001585	1.067849	µg/m ³	V0
Cobalt	0.000005	0.000640	µg/m ³	V0
Nickel	0.000015	0.001518	µg/m ³	V0
Copper	0.000027	0.000969	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000141	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.001576	µg/m ³	V0
Strontium	0.000012	0.004723	µg/m ³	V0
Niobium	0.000006	0.000247	µg/m ³	V0
Molybdenum	0.000025	0.000343	µg/m ³	V0
Palladium	0.000050	0.000084	µg/m ³	V0
Silver	0.000006	0.000027	µg/m ³	V0
Cadmium	0.000011	0.000034	µg/m ³	V0
Tin	0.000008	0.039555	µg/m ³	V0
Antimony	0.000016	0.000089	µg/m ³	V0
Cesium	0.000004	0.000086	µg/m ³	V0
Barium	0.000054	0.011893	µg/m ³	V0
Lanthanum	0.000004	0.000798	µg/m ³	V0
Cerium	0.000013	0.001492	µg/m ³	V0
Praseodymium	0.000002	0.000173	µg/m ³	V0
Neodymium	0.000005	0.000713	µg/m ³	V0
Samarium	0.000006	0.000120	µg/m ³	V0
Tantalum	0.000003	0.000460	µg/m ³	V0
Tungsten	0.000005	0.000633	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000587	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000217	µg/m ³	V0
Uranium	0.000003	0.000053	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205881	
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		732.6	mmHg	
Particulate Matter	0.042	20.167	µg/m ³	V0
Lithium	0.000016	0.000756	µg/m ³	V0
Beryllium	0.000013	0.000020	µg/m ³	V0
Sodium	0.000777	0.110752	µg/m ³	V0
Magnesium	0.000279	0.117434	µg/m ³	V0
Aluminum	0.002800	0.460458	µg/m ³	V0
Silicon	0.010200	1.446242	µg/m ³	V0
Phosphorus	0.003480	0.046510	µg/m ³	V0
Potassium	0.000402	0.177089	µg/m ³	V0
Calcium	0.013042	0.269821	µg/m ³	V0
Titanium	0.000031	0.024376	µg/m ³	V0
Vanadium	0.000018	0.002246	µg/m ³	V0
Chromium	0.000045	0.001546	µg/m ³	V0
Manganese	0.000028	0.005610	µg/m ³	V0
Iron	0.001585	0.276422	µg/m ³	V0
Cobalt	0.000005	0.000247	µg/m ³	V0
Nickel	0.000015	0.001192	µg/m ³	V0
Copper	0.000027	0.001466	µg/m ³	V0
Zinc	0.000149	0.010005	µg/m ³	V0
Arsenic	0.000005	0.000136	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000737	µg/m ³	V0
Strontium	0.000012	0.001659	µg/m ³	V0
Niobium	0.000006	0.000171	µg/m ³	V0
Molybdenum	0.000025	0.000184	µg/m ³	V0
Palladium	0.000050	0.000069	µg/m ³	V0
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.069172	µg/m ³	V0
Antimony	0.000016	0.000078	µg/m ³	V0
Cesium	0.000004	0.000039	µg/m ³	V0
Barium	0.000054	0.004181	µg/m ³	V0
Lanthanum	0.000004	0.000330	µg/m ³	V0
Cerium	0.000013	0.000589	µg/m ³	V0
Praseodymium	0.000002	0.000071	µg/m ³	V0
Neodymium	0.000005	0.000266	µg/m ³	V0
Samarium	0.000006	0.000050	µg/m ³	V0
Tantalum	0.000003	0.000643	µg/m ³	V0
Tungsten	0.000005	0.000186	µg/m ³	V0
Platinum	0.000004	0.000055	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000384	µg/m ³	V0
Bismuth	0.000004	0.000009	µg/m ³	V0
Thorium	0.000002	0.000083	µg/m ³	V0
Uranium	0.000003	0.000024	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221205888
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		730.0	mmHg	
Particulate Matter	0.042	13.958	µg/m ³	V0
Lithium	0.000016	0.000482	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.133861	µg/m ³	V0
Magnesium	0.000279	0.077201	µg/m ³	V0
Aluminum	0.002800	0.469589	µg/m ³	V0
Silicon	0.010200	0.898081	µg/m ³	V0
Phosphorus	0.003480	0.060808	µg/m ³	V0
Potassium	0.000402	0.188069	µg/m ³	V0
Calcium	0.013042	0.376669	µg/m ³	V0
Titanium	0.000031	0.015715	µg/m ³	V0
Vanadium	0.000018	0.001393	µg/m ³	V0
Chromium	0.000045	0.001255	µg/m ³	V0
Manganese	0.000028	0.004355	µg/m ³	V0
Iron	0.001585	0.230096	µg/m ³	V0
Cobalt	0.000005	0.000223	µg/m ³	V0
Nickel	0.000015	0.000491	µg/m ³	V0
Copper	0.000027	0.009408	µg/m ³	V4
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000561	µg/m ³	V0
Strontium	0.000012	0.001364	µg/m ³	V0
Niobium	0.000006	0.000318	µg/m ³	V0
Molybdenum	0.000025	0.000283	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000086	µg/m ³	V0
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.036521	µg/m ³	V0
Antimony	0.000016	0.000062	µg/m ³	V0
Cesium	0.000004	0.000034	µg/m ³	V0
Barium	0.000054	0.004452	µg/m ³	V0
Lanthanum	0.000004	0.000316	µg/m ³	V0
Cerium	0.000013	0.000520	µg/m ³	V0
Praseodymium	0.000002	0.000059	µg/m ³	V0
Neodymium	0.000005	0.000243	µg/m ³	V0
Samarium	0.000006	0.000043	µg/m ³	V0
Tantalum	0.000003	0.000851	µg/m ³	V0
Tungsten	0.000005	0.000444	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000295	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000080	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221205892
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		733.0	mmHg	
Particulate Matter	0.042	11.833	µg/m ³	V0
Lithium	0.000016	0.000411	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.137617	µg/m ³	V0
Magnesium	0.000279	0.074582	µg/m ³	V0
Aluminum	0.002800	0.389420	µg/m ³	V0
Silicon	0.010200	0.718642	µg/m ³	V0
Phosphorus	0.003480	0.078375	µg/m ³	V0
Potassium	0.000402	0.176881	µg/m ³	V0
Calcium	0.013042	0.308045	µg/m ³	V0
Titanium	0.000031	0.012469	µg/m ³	V0
Vanadium	0.000018	0.001295	µg/m ³	V0
Chromium	0.000045	0.001226	µg/m ³	V0
Manganese	0.000028	0.004253	µg/m ³	V0
Iron	0.001585	0.228243	µg/m ³	V0
Cobalt	0.000005	0.000169	µg/m ³	V0
Nickel	0.000015	0.000603	µg/m ³	V0
Copper	0.000027	0.000961	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000489	µg/m ³	V0
Strontium	0.000012	0.001202	µg/m ³	V0
Niobium	0.000006	0.000192	µg/m ³	V0
Molybdenum	0.000025	0.000118	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	0.000022	µg/m ³	V0
Tin	0.000008	0.042592	µg/m ³	V0
Antimony	0.000016	0.000061	µg/m ³	V0
Cesium	0.000004	0.000028	µg/m ³	V0
Barium	0.000054	0.003350	µg/m ³	V0
Lanthanum	0.000004	0.000268	µg/m ³	V0
Cerium	0.000013	0.000431	µg/m ³	V0
Praseodymium	0.000002	0.000048	µg/m ³	V0
Neodymium	0.000005	0.000201	µg/m ³	V0
Samarium	0.000006	0.000033	µg/m ³	V0
Tantalum	0.000003	0.000748	µg/m ³	V0
Tungsten	0.000005	0.000186	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000292	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000060	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221205897
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		734.9	mmHg	
Particulate Matter	0.042	14.167	µg/m ³	V0
Lithium	0.000016	0.000335	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.169116	µg/m ³	V0
Magnesium	0.000279	0.142471	µg/m ³	V0
Aluminum	0.002800	0.485673	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.048400	µg/m ³	V0
Potassium	0.000402	7.727105	µg/m ³	V4
Calcium	0.013042	20.423597	µg/m ³	V4
Titanium	0.000031	0.024515	µg/m ³	V0
Vanadium	0.000018	0.001837	µg/m ³	V0
Chromium	0.000045	0.001461	µg/m ³	V0
Manganese	0.000028	0.003963	µg/m ³	V0
Iron	0.001585	0.190109	µg/m ³	V0
Cobalt	0.000005	0.000487	µg/m ³	V0
Nickel	0.000015	0.004653	µg/m ³	V0
Copper	0.000027	0.001562	µg/m ³	V0
Zinc	0.000149	0.138415	µg/m ³	V4
Arsenic	0.000005	0.000348	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000648	µg/m ³	V0
Strontium	0.000012	0.011824	µg/m ³	V0
Niobium	0.000006	0.000087	µg/m ³	V0
Molybdenum	0.000025	0.000187	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000114	µg/m ³	V0
Tin	0.000008	0.039681	µg/m ³	V0
Antimony	0.000016	0.000135	µg/m ³	V0
Cesium	0.000004	0.000031	µg/m ³	V0
Barium	0.000054	0.003299	µg/m ³	V0
Lanthanum	0.000004	0.000249	µg/m ³	V0
Cerium	0.000013	0.000324	µg/m ³	V0
Praseodymium	0.000002	0.000039	µg/m ³	V0
Neodymium	0.000005	0.000154	µg/m ³	V0
Samarium	0.000006	0.000029	µg/m ³	V0
Tantalum	0.000003	0.000288	µg/m ³	V0
Tungsten	0.000005	0.000184	µg/m ³	V0
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000846	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000048	µg/m ³	V0
Uranium	0.000003	0.000113	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221205904
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:31.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-10.0	°C	
Pressure		722.6	mmHg	
Particulate Matter	0.042	10.625	µg/m ³	V6
Lithium	0.000016	0.000088	µg/m ³	V6
Beryllium	0.000013	0.000004	µg/m ³	V6
Sodium	0.000777	0.066808	µg/m ³	V6
Magnesium	0.000279	0.022336	µg/m ³	V6
Aluminum	0.002800	0.058553	µg/m ³	V6
Silicon	0.010200	0.000000	µg/m ³	V6
Phosphorus	0.003480	0.052448	µg/m ³	V6
Potassium	0.000402	0.331589	µg/m ³	V6
Calcium	0.013042	0.753915	µg/m ³	V6
Titanium	0.000031	0.002917	µg/m ³	V6
Vanadium	0.000018	0.000453	µg/m ³	V6
Chromium	0.000045	0.000823	µg/m ³	V6
Manganese	0.000028	0.000988	µg/m ³	V6
Iron	0.001585	0.032770	µg/m ³	V6
Cobalt	0.000005	0.000068	µg/m ³	V6
Nickel	0.000015	0.000452	µg/m ³	V6
Copper	0.000027	0.000764	µg/m ³	V6
Zinc	0.000149	0.008060	µg/m ³	V6
Arsenic	0.000005	0.000106	µg/m ³	V6
Selenium	0.000133	0.000000	µg/m ³	V6
Rubidium	0.000003	0.000173	µg/m ³	V6
Strontium	0.000012	0.000798	µg/m ³	V6
Niobium	0.000006	0.000117	µg/m ³	V6
Molybdenum	0.000025	0.000129	µg/m ³	V6
Palladium	0.000050	0.000051	µg/m ³	V6
Silver	0.000006	0.000013	µg/m ³	V6
Cadmium	0.000011	0.000092	µg/m ³	V6
Tin	0.000008	0.071396	µg/m ³	V6
Antimony	0.000016	0.000218	µg/m ³	V6
Cesium	0.000004	0.000005	µg/m ³	V6
Barium	0.000054	0.001385	µg/m ³	V6
Lanthanum	0.000004	0.000072	µg/m ³	V6
Cerium	0.000013	0.000061	µg/m ³	V6
Praseodymium	0.000002	0.000007	µg/m ³	V6
Neodymium	0.000005	0.000021	µg/m ³	V6
Samarium	0.000006	0.000003	µg/m ³	V6
Tantalum	0.000003	0.000733	µg/m ³	V6
Tungsten	0.000005	0.000076	µg/m ³	V6
Platinum	0.000004	0.000057	µg/m ³	V6
Thallium	0.000005	0.000007	µg/m ³	V6
Lead	0.000018	0.000298	µg/m ³	V6
Bismuth	0.000004	0.000015	µg/m ³	V6
Thorium	0.000002	0.000007	µg/m ³	V6
Uranium	0.000003	0.000006	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205906	
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		735.9	mmHg	
Particulate Matter	0.042	15.292	µg/m ³	V0
Lithium	0.000016	0.000313	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.082970	µg/m ³	V0
Magnesium	0.000279	0.043193	µg/m ³	V0
Aluminum	0.002800	0.277289	µg/m ³	V0
Silicon	0.010200	0.269618	µg/m ³	V0
Phosphorus	0.003480	0.052366	µg/m ³	V0
Potassium	0.000402	0.247078	µg/m ³	V0
Calcium	0.013042	0.233279	µg/m ³	V0
Titanium	0.000031	0.011873	µg/m ³	V0
Vanadium	0.000018	0.001739	µg/m ³	V0
Chromium	0.000045	0.000965	µg/m ³	V0
Manganese	0.000028	0.003689	µg/m ³	V0
Iron	0.001585	0.184770	µg/m ³	V0
Cobalt	0.000005	0.000143	µg/m ³	V0
Nickel	0.000015	0.000600	µg/m ³	V0
Copper	0.000027	0.001427	µg/m ³	V0
Zinc	0.000149	0.005319	µg/m ³	V0
Arsenic	0.000005	0.000350	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000486	µg/m ³	V0
Strontium	0.000012	0.000846	µg/m ³	V0
Niobium	0.000006	0.000224	µg/m ³	V0
Molybdenum	0.000025	0.000204	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000031	µg/m ³	V0
Cadmium	0.000011	0.000121	µg/m ³	V0
Tin	0.000008	0.036825	µg/m ³	V0
Antimony	0.000016	0.000187	µg/m ³	V0
Cesium	0.000004	0.000022	µg/m ³	V0
Barium	0.000054	0.003074	µg/m ³	V0
Lanthanum	0.000004	0.000257	µg/m ³	V0
Cerium	0.000013	0.000322	µg/m ³	V0
Praseodymium	0.000002	0.000036	µg/m ³	V0
Neodymium	0.000005	0.000139	µg/m ³	V0
Samarium	0.000006	0.000025	µg/m ³	V0
Tantalum	0.000003	0.000614	µg/m ³	V0
Tungsten	0.000005	0.000223	µg/m ³	V0
Platinum	0.000004	0.000017	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000546	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000045	µg/m ³	V0
Uranium	0.000003	0.000014	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205924
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		739.2	mmHg	
Particulate Matter	0.042	19.042	µg/m ³	V0
Lithium	0.000016	0.000120	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.136030	µg/m ³	V0
Magnesium	0.000279	0.036017	µg/m ³	V0
Aluminum	0.002800	0.100988	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.051167	µg/m ³	V0
Potassium	0.000402	0.414009	µg/m ³	V0
Calcium	0.013042	0.835828	µg/m ³	V0
Titanium	0.000031	0.005431	µg/m ³	V0
Vanadium	0.000018	0.000899	µg/m ³	V0
Chromium	0.000045	0.000635	µg/m ³	V0
Manganese	0.000028	0.001582	µg/m ³	V0
Iron	0.001585	0.071151	µg/m ³	V0
Cobalt	0.000005	0.000092	µg/m ³	V0
Nickel	0.000015	0.000494	µg/m ³	V0
Copper	0.000027	0.001617	µg/m ³	V0
Zinc	0.000149	0.016388	µg/m ³	V0
Arsenic	0.000005	0.000439	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000354	µg/m ³	V0
Strontium	0.000012	0.001251	µg/m ³	V0
Niobium	0.000006	0.000108	µg/m ³	V0
Molybdenum	0.000025	0.000187	µg/m ³	V0
Palladium	0.000050	0.000059	µg/m ³	V0
Silver	0.000006	0.000026	µg/m ³	V0
Cadmium	0.000011	0.000304	µg/m ³	V0
Tin	0.000008	0.072694	µg/m ³	V0
Antimony	0.000016	0.000554	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.004634	µg/m ³	V0
Lanthanum	0.000004	0.000118	µg/m ³	V0
Cerium	0.000013	0.000108	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000037	µg/m ³	V0
Samarium	0.000006	0.000007	µg/m ³	V0
Tantalum	0.000003	0.000618	µg/m ³	V0
Tungsten	0.000005	0.000140	µg/m ³	V0
Platinum	0.000004	0.000058	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000522	µg/m ³	V0
Bismuth	0.000004	0.000023	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221205934
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		728.4	mmHg	
Particulate Matter	0.042	17.958	µg/m ³	V0
Lithium	0.000016	0.000469	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.088668	µg/m ³	V0
Magnesium	0.000279	0.080749	µg/m ³	V0
Aluminum	0.002800	0.461199	µg/m ³	V0
Silicon	0.010200	0.833769	µg/m ³	V0
Phosphorus	0.003480	0.056929	µg/m ³	V0
Potassium	0.000402	0.307865	µg/m ³	V0
Calcium	0.013042	0.256126	µg/m ³	V0
Titanium	0.000031	0.016246	µg/m ³	V0
Vanadium	0.000018	0.001802	µg/m ³	V0
Chromium	0.000045	0.004713	µg/m ³	V0
Manganese	0.000028	0.004990	µg/m ³	V0
Iron	0.001585	0.295861	µg/m ³	V0
Cobalt	0.000005	0.000274	µg/m ³	V0
Nickel	0.000015	0.001978	µg/m ³	V0
Copper	0.000027	0.001997	µg/m ³	V0
Zinc	0.000149	0.002024	µg/m ³	V0
Arsenic	0.000005	0.000210	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000780	µg/m ³	V0
Strontium	0.000012	0.001245	µg/m ³	V0
Niobium	0.000006	0.000180	µg/m ³	V0
Molybdenum	0.000025	0.000264	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000019	µg/m ³	V0
Cadmium	0.000011	0.000122	µg/m ³	V0
Tin	0.000008	0.042602	µg/m ³	V0
Antimony	0.000016	0.000144	µg/m ³	V0
Cesium	0.000004	0.000043	µg/m ³	V0
Barium	0.000054	0.004774	µg/m ³	V0
Lanthanum	0.000004	0.000309	µg/m ³	V0
Cerium	0.000013	0.000454	µg/m ³	V0
Praseodymium	0.000002	0.000051	µg/m ³	V0
Neodymium	0.000005	0.000210	µg/m ³	V0
Samarium	0.000006	0.000040	µg/m ³	V0
Tantalum	0.000003	0.000605	µg/m ³	V0
Tungsten	0.000005	0.000246	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000009	µg/m ³	V0
Lead	0.000018	0.000581	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000070	µg/m ³	V0
Uranium	0.000003	0.000019	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221205940	
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.9	°C	
Pressure		731.3	mmHg	
Particulate Matter	0.042	14.750	µg/m ³	V0
Lithium	0.000016	0.000258	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.077384	µg/m ³	V0
Magnesium	0.000279	0.040167	µg/m ³	V0
Aluminum	0.002800	0.235848	µg/m ³	V0
Silicon	0.010200	0.109220	µg/m ³	V0
Phosphorus	0.003480	0.041158	µg/m ³	V0
Potassium	0.000402	0.245530	µg/m ³	V0
Calcium	0.013042	0.232993	µg/m ³	V0
Titanium	0.000031	0.011578	µg/m ³	V0
Vanadium	0.000018	0.001590	µg/m ³	V0
Chromium	0.000045	0.001518	µg/m ³	V0
Manganese	0.000028	0.003637	µg/m ³	V0
Iron	0.001585	0.173951	µg/m ³	V0
Cobalt	0.000005	0.000144	µg/m ³	V0
Nickel	0.000015	0.001015	µg/m ³	V0
Copper	0.000027	0.001048	µg/m ³	V0
Zinc	0.000149	0.002804	µg/m ³	V0
Arsenic	0.000005	0.000330	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000455	µg/m ³	V0
Strontium	0.000012	0.000829	µg/m ³	V0
Niobium	0.000006	0.000096	µg/m ³	V0
Molybdenum	0.000025	0.000195	µg/m ³	V0
Palladium	0.000050	0.000054	µg/m ³	V0
Silver	0.000006	0.000024	µg/m ³	V0
Cadmium	0.000011	0.000123	µg/m ³	V0
Tin	0.000008	0.034310	µg/m ³	V0
Antimony	0.000016	0.000161	µg/m ³	V0
Cesium	0.000004	0.000019	µg/m ³	V0
Barium	0.000054	0.002746	µg/m ³	V0
Lanthanum	0.000004	0.000239	µg/m ³	V0
Cerium	0.000013	0.000291	µg/m ³	V0
Praseodymium	0.000002	0.000032	µg/m ³	V0
Neodymium	0.000005	0.000134	µg/m ³	V0
Samarium	0.000006	0.000025	µg/m ³	V0
Tantalum	0.000003	0.000295	µg/m ³	V0
Tungsten	0.000005	0.000120	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000500	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000043	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205946
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		710.1	mmHg	
Particulate Matter	0.042	9.375	µg/m ³	V0
Lithium	0.000016	0.000028	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.036355	µg/m ³	V0
Magnesium	0.000279	0.008664	µg/m ³	V0
Aluminum	0.002800	0.011074	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.063226	µg/m ³	V0
Potassium	0.000402	0.170968	µg/m ³	V0
Calcium	0.013042	0.101016	µg/m ³	V0
Titanium	0.000031	0.000944	µg/m ³	V0
Vanadium	0.000018	0.000118	µg/m ³	V0
Chromium	0.000045	0.001161	µg/m ³	V0
Manganese	0.000028	0.000683	µg/m ³	V0
Iron	0.001585	0.022527	µg/m ³	V0
Cobalt	0.000005	0.000033	µg/m ³	V0
Nickel	0.000015	0.000402	µg/m ³	V0
Copper	0.000027	0.001107	µg/m ³	V0
Zinc	0.000149	0.005519	µg/m ³	V0
Arsenic	0.000005	0.000017	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000203	µg/m ³	V0
Strontium	0.000012	0.000171	µg/m ³	V0
Niobium	0.000006	0.001009	µg/m ³	V0
Molybdenum	0.000025	0.000163	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000131	µg/m ³	V0
Cadmium	0.000011	0.000115	µg/m ³	V0
Tin	0.000008	0.042613	µg/m ³	V0
Antimony	0.000016	0.000197	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000572	µg/m ³	V0
Lanthanum	0.000004	0.000058	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.005950	µg/m ³	V0
Tungsten	0.000005	0.003490	µg/m ³	V4
Platinum	0.000004	0.000014	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000278	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205954
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		717.3	mmHg	
Particulate Matter	0.042	9.125	µg/m ³	V0
Lithium	0.000016	0.000046	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.043543	µg/m ³	V0
Magnesium	0.000279	0.006193	µg/m ³	V0
Aluminum	0.002800	0.007877	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.049030	µg/m ³	V0
Potassium	0.000402	0.157401	µg/m ³	V0
Calcium	0.013042	0.096241	µg/m ³	V0
Titanium	0.000031	0.001222	µg/m ³	V0
Vanadium	0.000018	0.000306	µg/m ³	V0
Chromium	0.000045	0.001026	µg/m ³	V0
Manganese	0.000028	0.000660	µg/m ³	V0
Iron	0.001585	0.022184	µg/m ³	V0
Cobalt	0.000005	0.000037	µg/m ³	V0
Nickel	0.000015	0.000366	µg/m ³	V0
Copper	0.000027	0.000364	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000086	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000148	µg/m ³	V0
Strontium	0.000012	0.000153	µg/m ³	V0
Niobium	0.000006	0.000150	µg/m ³	V0
Molybdenum	0.000025	0.000082	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000103	µg/m ³	V0
Tin	0.000008	0.040500	µg/m ³	V0
Antimony	0.000016	0.000089	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000514	µg/m ³	V0
Lanthanum	0.000004	0.000061	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000774	µg/m ³	V0
Tungsten	0.000005	0.000121	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000260	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205960
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		714.4	mmHg	
Particulate Matter	0.042	8.833	µg/m ³	V0
Lithium	0.000016	0.000029	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.049213	µg/m ³	V0
Magnesium	0.000279	0.005756	µg/m ³	V0
Aluminum	0.002800	0.007825	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.052484	µg/m ³	V0
Potassium	0.000402	0.179655	µg/m ³	V0
Calcium	0.013042	0.104085	µg/m ³	V0
Titanium	0.000031	0.001324	µg/m ³	V0
Vanadium	0.000018	0.000226	µg/m ³	V0
Chromium	0.000045	0.000486	µg/m ³	V0
Manganese	0.000028	0.000737	µg/m ³	V0
Iron	0.001585	0.021731	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000374	µg/m ³	V0
Copper	0.000027	0.000551	µg/m ³	V0
Zinc	0.000149	0.004598	µg/m ³	V0
Arsenic	0.000005	0.000134	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000187	µg/m ³	V0
Strontium	0.000012	0.000183	µg/m ³	V0
Niobium	0.000006	0.000310	µg/m ³	V0
Molybdenum	0.000025	0.000076	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000047	µg/m ³	V0
Cadmium	0.000011	0.000132	µg/m ³	V0
Tin	0.000008	0.038592	µg/m ³	V0
Antimony	0.000016	0.000113	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000572	µg/m ³	V0
Lanthanum	0.000004	0.000102	µg/m ³	V0
Cerium	0.000013	0.000019	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000020	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001052	µg/m ³	V0
Tungsten	0.000005	0.000291	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000005	µg/m ³	V0
Lead	0.000018	0.000410	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Anzac	Loc ID:	ANZC	WBEA ID: 221206010
Start Date:	2022-12-15 13:50	End Date:	2022-12-15 13:51	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000050	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.007022	µg/m ³	V0
Magnesium	0.000279	0.001659	µg/m ³	V0
Aluminum	0.002800	0.004339	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.031561	µg/m ³	V0
Potassium	0.000402	0.032379	µg/m ³	V0
Calcium	0.013042	0.018035	µg/m ³	V0
Titanium	0.000031	0.001668	µg/m ³	V0
Vanadium	0.000018	0.000199	µg/m ³	V0
Chromium	0.000045	0.001676	µg/m ³	V0
Manganese	0.000028	0.000202	µg/m ³	V0
Iron	0.001585	0.010200	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000684	µg/m ³	V0
Copper	0.000027	0.000450	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	0.000035	µg/m ³	V0
Niobium	0.000006	0.000283	µg/m ³	V0
Molybdenum	0.000025	0.000138	µg/m ³	V0
Palladium	0.000050	0.000053	µg/m ³	V0
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000163	µg/m ³	V0
Antimony	0.000016	0.000018	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001149	µg/m ³	V0
Tungsten	0.000005	0.000087	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000179	µg/m ³	V0
Bismuth	0.000004	0.000004	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 221206022
Start Date:	2022-12-15 14:30	End Date:	2022-12-15 14:31	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000020	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.003789	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.045533	µg/m ³	V0
Phosphorus	0.003480	0.064356	µg/m ³	V0
Potassium	0.000402	0.045383	µg/m ³	V0
Calcium	0.013042	0.017570	µg/m ³	V0
Titanium	0.000031	0.000164	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.000942	µg/m ³	V0
Manganese	0.000028	0.000077	µg/m ³	V0
Iron	0.001585	0.004753	µg/m ³	V0
Cobalt	0.000005	0.000022	µg/m ³	V0
Nickel	0.000015	0.000411	µg/m ³	V0
Copper	0.000027	0.000430	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	-8888	µg/m ³	V1
Strontium	0.000012	-8888	µg/m ³	V1
Niobium	0.000006	0.000044	µg/m ³	V0
Molybdenum	0.000025	0.000030	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.045252	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000216	µg/m ³	V0
Tungsten	0.000005	0.000109	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.000036	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 221206034
Start Date:	2022-12-15 15:00	End Date:	2022-12-16 15:00	Duration: 24.0 hr

Notes

Sample ran from 15:00 MST on December 15th to 15:00 MST on December 16th due to unavailable change out samples for December 13th NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-14.0	°C	
Pressure		741.6	mmHg	
Particulate Matter	0.042	2.125	µg/m ³	V6
Lithium	0.000016	0.000028	µg/m ³	V6
Beryllium	0.000013	0.000001	µg/m ³	V6
Sodium	0.000777	0.035389	µg/m ³	V6
Magnesium	0.000279	0.006706	µg/m ³	V6
Aluminum	0.002800	0.000000	µg/m ³	V6
Silicon	0.010200	0.276843	µg/m ³	V6
Phosphorus	0.003480	0.079916	µg/m ³	V6
Potassium	0.000402	0.065680	µg/m ³	V6
Calcium	0.013042	0.076910	µg/m ³	V6
Titanium	0.000031	0.000500	µg/m ³	V6
Vanadium	0.000018	0.000029	µg/m ³	V6
Chromium	0.000045	0.000783	µg/m ³	V6
Manganese	0.000028	0.000188	µg/m ³	V6
Iron	0.001585	0.008192	µg/m ³	V6
Cobalt	0.000005	0.000033	µg/m ³	V6
Nickel	0.000015	0.000329	µg/m ³	V6
Copper	0.000027	0.000332	µg/m ³	V6
Zinc	0.000149	0.000000	µg/m ³	V6
Arsenic	0.000005	0.000014	µg/m ³	V6
Selenium	0.000133	0.000193	µg/m ³	V6
Rubidium	0.000003	0.000013	µg/m ³	V6
Strontium	0.000012	0.000153	µg/m ³	V6
Niobium	0.000006	0.000061	µg/m ³	V6
Molybdenum	0.000025	0.000038	µg/m ³	V6
Palladium	0.000050	0.000000	µg/m ³	V6
Silver	0.000006	0.000108	µg/m ³	V6
Cadmium	0.000011	0.000025	µg/m ³	V6
Tin	0.000008	0.049621	µg/m ³	V6
Antimony	0.000016	0.000028	µg/m ³	V6
Cesium	0.000004	0.000000	µg/m ³	V6
Barium	0.000054	0.000175	µg/m ³	V6
Lanthanum	0.000004	0.000004	µg/m ³	V6
Cerium	0.000013	0.000004	µg/m ³	V6
Praseodymium	0.000002	0.000001	µg/m ³	V6
Neodymium	0.000005	0.000002	µg/m ³	V6
Samarium	0.000006	0.000000	µg/m ³	V6
Tantalum	0.000003	0.000347	µg/m ³	V6
Tungsten	0.000005	0.000186	µg/m ³	V6
Platinum	0.000004	0.000018	µg/m ³	V6
Thallium	0.000005	0.000004	µg/m ³	V6
Lead	0.000018	0.000296	µg/m ³	V6
Bismuth	0.000004	0.000000	µg/m ³	V6
Thorium	0.000002	0.000000	µg/m ³	V6
Uranium	0.000003	0.000001	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221205967	
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		754.7	mmHg	
Particulate Matter	0.042	11.708	µg/m ³	V0
Lithium	0.000016	0.000431	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.692072	µg/m ³	V0
Magnesium	0.000279	0.185789	µg/m ³	V0
Aluminum	0.002800	0.401849	µg/m ³	V0
Silicon	0.010200	0.663109	µg/m ³	V0
Phosphorus	0.003480	0.078522	µg/m ³	V0
Potassium	0.000402	0.205671	µg/m ³	V0
Calcium	0.013042	0.376823	µg/m ³	V0
Titanium	0.000031	0.012471	µg/m ³	V0
Vanadium	0.000018	0.001138	µg/m ³	V0
Chromium	0.000045	0.000820	µg/m ³	V0
Manganese	0.000028	0.005531	µg/m ³	V0
Iron	0.001585	0.348282	µg/m ³	V0
Cobalt	0.000005	0.000422	µg/m ³	V0
Nickel	0.000015	0.000480	µg/m ³	V0
Copper	0.000027	0.000880	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000486	µg/m ³	V0
Strontium	0.000012	0.001851	µg/m ³	V0
Niobium	0.000006	0.000232	µg/m ³	V0
Molybdenum	0.000025	0.000185	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.043355	µg/m ³	V0
Antimony	0.000016	0.000037	µg/m ³	V0
Cesium	0.000004	0.000027	µg/m ³	V0
Barium	0.000054	0.004109	µg/m ³	V0
Lanthanum	0.000004	0.000234	µg/m ³	V0
Cerium	0.000013	0.000517	µg/m ³	V0
Praseodymium	0.000002	0.000057	µg/m ³	V0
Neodymium	0.000005	0.000219	µg/m ³	V0
Samarium	0.000006	0.000039	µg/m ³	V0
Tantalum	0.000003	0.000782	µg/m ³	V0
Tungsten	0.000005	0.000806	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000237	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000076	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information	
Sample Type:	PM10 Metal	Samp Use:	Exposure
Location:	Fort McKay South	Loc ID:	FMCS
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00
		Set Index:	1
		WBEA ID:	221205971
		Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		751.0	mmHg	
Particulate Matter	0.042	16.250	µg/m ³	V0
Lithium	0.000016	0.000662	µg/m ³	V0
Beryllium	0.000013	0.000021	µg/m ³	V0
Sodium	0.000777	0.547410	µg/m ³	V0
Magnesium	0.000279	0.164393	µg/m ³	V0
Aluminum	0.002800	0.603334	µg/m ³	V0
Silicon	0.010200	1.164945	µg/m ³	V0
Phosphorus	0.003480	0.060539	µg/m ³	V0
Potassium	0.000402	0.293890	µg/m ³	V0
Calcium	0.013042	0.375318	µg/m ³	V0
Titanium	0.000031	0.022079	µg/m ³	V0
Vanadium	0.000018	0.001852	µg/m ³	V0
Chromium	0.000045	0.005551	µg/m ³	V0
Manganese	0.000028	0.006505	µg/m ³	V0
Iron	0.001585	0.365026	µg/m ³	V0
Cobalt	0.000005	0.000362	µg/m ³	V0
Nickel	0.000015	0.002316	µg/m ³	V0
Copper	0.000027	0.000999	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000081	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000756	µg/m ³	V0
Strontium	0.000012	0.002059	µg/m ³	V0
Niobium	0.000006	0.000217	µg/m ³	V0
Molybdenum	0.000025	0.000289	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.031245	µg/m ³	V0
Antimony	0.000016	0.000048	µg/m ³	V0
Cesium	0.000004	0.000045	µg/m ³	V0
Barium	0.000054	0.004840	µg/m ³	V0
Lanthanum	0.000004	0.000312	µg/m ³	V0
Cerium	0.000013	0.000707	µg/m ³	V0
Praseodymium	0.000002	0.000079	µg/m ³	V0
Neodymium	0.000005	0.000322	µg/m ³	V0
Samarium	0.000006	0.000058	µg/m ³	V0
Tantalum	0.000003	0.000626	µg/m ³	V0
Tungsten	0.000005	0.000347	µg/m ³	V0
Platinum	0.000004	0.000033	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000318	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000106	µg/m ³	V0
Uranium	0.000003	0.000028	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221205976
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		747.8	mmHg	
Particulate Matter	0.042	5.208	µg/m ³	V0
Lithium	0.000016	0.000065	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.450715	µg/m ³	V0
Magnesium	0.000279	0.078606	µg/m ³	V0
Aluminum	0.002800	0.042624	µg/m ³	V0
Silicon	0.010200	0.053963	µg/m ³	V0
Phosphorus	0.003480	0.063318	µg/m ³	V0
Potassium	0.000402	0.095456	µg/m ³	V0
Calcium	0.013042	0.113556	µg/m ³	V0
Titanium	0.000031	0.002085	µg/m ³	V0
Vanadium	0.000018	0.000154	µg/m ³	V0
Chromium	0.000045	0.000589	µg/m ³	V0
Manganese	0.000028	0.000792	µg/m ³	V0
Iron	0.001585	0.050207	µg/m ³	V0
Cobalt	0.000005	0.000046	µg/m ³	V0
Nickel	0.000015	0.000149	µg/m ³	V0
Copper	0.000027	0.000256	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000058	µg/m ³	V0
Strontium	0.000012	0.000606	µg/m ³	V0
Niobium	0.000006	0.000167	µg/m ³	V0
Molybdenum	0.000025	0.000056	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.041096	µg/m ³	V0
Antimony	0.000016	0.000026	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000628	µg/m ³	V0
Lanthanum	0.000004	0.000037	µg/m ³	V0
Cerium	0.000013	0.000080	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000030	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000709	µg/m ³	V0
Tungsten	0.000005	0.000146	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000063	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000010	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205990	
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		755.7	mmHg	
Particulate Matter	0.042	21.333	µg/m ³	V0
Lithium	0.000016	0.000818	µg/m ³	V0
Beryllium	0.000013	0.000025	µg/m ³	V0
Sodium	0.000777	0.505855	µg/m ³	V0
Magnesium	0.000279	0.190357	µg/m ³	V0
Aluminum	0.002800	0.786611	µg/m ³	V0
Silicon	0.010200	1.762852	µg/m ³	V0
Phosphorus	0.003480	0.068313	µg/m ³	V0
Potassium	0.000402	0.274692	µg/m ³	V0
Calcium	0.013042	0.400963	µg/m ³	V0
Titanium	0.000031	0.028594	µg/m ³	V0
Vanadium	0.000018	0.002585	µg/m ³	V0
Chromium	0.000045	0.001230	µg/m ³	V0
Manganese	0.000028	0.007170	µg/m ³	V0
Iron	0.001585	0.411262	µg/m ³	V0
Cobalt	0.000005	0.000339	µg/m ³	V0
Nickel	0.000015	0.000661	µg/m ³	V0
Copper	0.000027	0.001859	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000026	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000938	µg/m ³	V0
Strontium	0.000012	0.002364	µg/m ³	V0
Niobium	0.000006	0.000273	µg/m ³	V0
Molybdenum	0.000025	0.000168	µg/m ³	V0
Palladium	0.000050	0.000067	µg/m ³	V0
Silver	0.000006	0.000009	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.039229	µg/m ³	V0
Antimony	0.000016	0.000044	µg/m ³	V0
Cesium	0.000004	0.000059	µg/m ³	V0
Barium	0.000054	0.006422	µg/m ³	V0
Lanthanum	0.000004	0.000416	µg/m ³	V0
Cerium	0.000013	0.000911	µg/m ³	V0
Praseodymium	0.000002	0.000102	µg/m ³	V0
Neodymium	0.000005	0.000399	µg/m ³	V0
Samarium	0.000006	0.000072	µg/m ³	V0
Tantalum	0.000003	0.000908	µg/m ³	V0
Tungsten	0.000005	0.000205	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	0.000012	µg/m ³	V0
Lead	0.000018	0.000418	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000139	µg/m ³	V0
Uranium	0.000003	0.000036	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206002
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		741.0	mmHg	
Particulate Matter	0.042	7.125	µg/m ³	V0
Lithium	0.000016	0.000087	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.280282	µg/m ³	V0
Magnesium	0.000279	0.070806	µg/m ³	V0
Aluminum	0.002800	0.049454	µg/m ³	V0
Silicon	0.010200	0.015090	µg/m ³	V0
Phosphorus	0.003480	0.030836	µg/m ³	V0
Potassium	0.000402	0.058376	µg/m ³	V0
Calcium	0.013042	0.081463	µg/m ³	V0
Titanium	0.000031	0.002027	µg/m ³	V0
Vanadium	0.000018	0.001496	µg/m ³	V0
Chromium	0.000045	0.000556	µg/m ³	V0
Manganese	0.000028	0.000703	µg/m ³	V0
Iron	0.001585	0.023610	µg/m ³	V0
Cobalt	0.000005	0.000039	µg/m ³	V0
Nickel	0.000015	0.000454	µg/m ³	V0
Copper	0.000027	0.000686	µg/m ³	V0
Zinc	0.000149	0.003217	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000082	µg/m ³	V0
Strontium	0.000012	0.000531	µg/m ³	V0
Niobium	0.000006	0.000276	µg/m ³	V0
Molybdenum	0.000025	0.000133	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000210	µg/m ³	V0
Antimony	0.000016	0.000052	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000348	µg/m ³	V0
Lanthanum	0.000004	0.000020	µg/m ³	V0
Cerium	0.000013	0.000045	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000020	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001267	µg/m ³	V0
Tungsten	0.000005	0.000131	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000106	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000006	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206003
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		732.6	mmHg	
Particulate Matter	0.042	6.375	µg/m ³	V0
Lithium	0.000016	0.000073	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.712248	µg/m ³	V0
Magnesium	0.000279	0.161798	µg/m ³	V0
Aluminum	0.002800	0.011294	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.029692	µg/m ³	V0
Potassium	0.000402	0.200687	µg/m ³	V0
Calcium	0.013042	0.174295	µg/m ³	V0
Titanium	0.000031	0.001373	µg/m ³	V0
Vanadium	0.000018	0.000167	µg/m ³	V0
Chromium	0.000045	0.000450	µg/m ³	V0
Manganese	0.000028	0.000148	µg/m ³	V0
Iron	0.001585	0.006117	µg/m ³	V0
Cobalt	0.000005	0.000083	µg/m ³	V0
Nickel	0.000015	0.000227	µg/m ³	V0
Copper	0.000027	0.000324	µg/m ³	V0
Zinc	0.000149	0.005185	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000037	µg/m ³	V0
Strontium	0.000012	0.001036	µg/m ³	V0
Niobium	0.000006	0.000258	µg/m ³	V0
Molybdenum	0.000025	0.000078	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000006	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.000160	µg/m ³	V0
Antimony	0.000016	0.000035	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000004	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001078	µg/m ³	V0
Tungsten	0.000005	0.000073	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	0.000007	µg/m ³	V0
Lead	0.000018	0.000075	µg/m ³	V0
Bismuth	0.000004	0.000005	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000012	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206014
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		727.6	mmHg	
Particulate Matter	0.042	5.917	µg/m ³	V0
Lithium	0.000016	0.000067	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.652871	µg/m ³	V0
Magnesium	0.000279	0.160058	µg/m ³	V0
Aluminum	0.002800	0.021042	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.046587	µg/m ³	V0
Potassium	0.000402	0.315117	µg/m ³	V0
Calcium	0.013042	0.806126	µg/m ³	V0
Titanium	0.000031	0.002032	µg/m ³	V0
Vanadium	0.000018	0.000199	µg/m ³	V0
Chromium	0.000045	0.001070	µg/m ³	V0
Manganese	0.000028	0.000128	µg/m ³	V0
Iron	0.001585	0.008336	µg/m ³	V0
Cobalt	0.000005	0.000043	µg/m ³	V0
Nickel	0.000015	0.000575	µg/m ³	V0
Copper	0.000027	0.000236	µg/m ³	V0
Zinc	0.000149	0.003776	µg/m ³	V0
Arsenic	0.000005	0.000066	µg/m ³	V0
Selenium	0.000133	0.000153	µg/m ³	V0
Rubidium	0.000003	0.000031	µg/m ³	V0
Strontium	0.000012	0.001414	µg/m ³	V0
Niobium	0.000006	0.000187	µg/m ³	V0
Molybdenum	0.000025	0.000088	µg/m ³	V0
Palladium	0.000050	0.000071	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.072140	µg/m ³	V0
Antimony	0.000016	0.000038	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000005	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001233	µg/m ³	V0
Tungsten	0.000005	0.000068	µg/m ³	V0
Platinum	0.000004	0.000031	µg/m ³	V0
Thallium	0.000005	0.000021	µg/m ³	V0
Lead	0.000018	0.000058	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	0.000022	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Conklin	Samp Use: Exposure	WBEA ID: 221206028
Start Date:	2022-12-19 00:00	Loc ID: CONK	Duration: 24.0 hr
		End Date: 2022-12-20 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		723.8	mmHg	
Particulate Matter	0.042	6.250	µg/m ³	V0
Lithium	0.000016	0.000097	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.922140	µg/m ³	V0
Magnesium	0.000279	0.158285	µg/m ³	V0
Aluminum	0.002800	0.034036	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.028117	µg/m ³	V0
Potassium	0.000402	0.419413	µg/m ³	V0
Calcium	0.013042	1.431900	µg/m ³	V0
Titanium	0.000031	0.002926	µg/m ³	V0
Vanadium	0.000018	0.000224	µg/m ³	V0
Chromium	0.000045	0.000365	µg/m ³	V0
Manganese	0.000028	0.000271	µg/m ³	V0
Iron	0.001585	0.008218	µg/m ³	V0
Cobalt	0.000005	0.000029	µg/m ³	V0
Nickel	0.000015	0.000215	µg/m ³	V0
Copper	0.000027	0.000448	µg/m ³	V0
Zinc	0.000149	0.002425	µg/m ³	V0
Arsenic	0.000005	0.000106	µg/m ³	V0
Selenium	0.000133	0.000194	µg/m ³	V0
Rubidium	0.000003	0.000093	µg/m ³	V0
Strontium	0.000012	0.002292	µg/m ³	V0
Niobium	0.000006	-8888	µg/m ³	V1
Molybdenum	0.000025	0.000107	µg/m ³	V0
Palladium	0.000050	0.000112	µg/m ³	V0
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000029	µg/m ³	V0
Tin	0.000008	0.000400	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000019	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000014	µg/m ³	V0
Neodymium	0.000005	0.000019	µg/m ³	V0
Samarium	0.000006	0.000012	µg/m ³	V0
Tantalum	0.000003	0.000015	µg/m ³	V0
Tungsten	0.000005	0.000009	µg/m ³	V0
Platinum	0.000004	0.000035	µg/m ³	V0
Thallium	0.000005	0.000029	µg/m ³	V0
Lead	0.000018	0.000115	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000021	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221206040
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		758.1	mmHg	
Particulate Matter	0.042	11.917	µg/m ³	V0
Lithium	0.000016	0.000269	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.446751	µg/m ³	V0
Magnesium	0.000279	0.134112	µg/m ³	V0
Aluminum	0.002800	0.139141	µg/m ³	V0
Silicon	0.010200	0.098745	µg/m ³	V0
Phosphorus	0.003480	0.027890	µg/m ³	V0
Potassium	0.000402	0.165254	µg/m ³	V0
Calcium	0.013042	0.454449	µg/m ³	V0
Titanium	0.000031	0.007874	µg/m ³	V0
Vanadium	0.000018	0.001028	µg/m ³	V0
Chromium	0.000045	0.001603	µg/m ³	V0
Manganese	0.000028	0.004313	µg/m ³	V0
Iron	0.001585	0.131815	µg/m ³	V0
Cobalt	0.000005	0.000113	µg/m ³	V0
Nickel	0.000015	0.000573	µg/m ³	V0
Copper	0.000027	0.000606	µg/m ³	V0
Zinc	0.000149	0.007429	µg/m ³	V0
Arsenic	0.000005	0.000081	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000625	µg/m ³	V0
Strontium	0.000012	0.001459	µg/m ³	V0
Niobium	0.000006	0.000150	µg/m ³	V0
Molybdenum	0.000025	0.000334	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000010	µg/m ³	V0
Cadmium	0.000011	0.000015	µg/m ³	V0
Tin	0.000008	0.000216	µg/m ³	V0
Antimony	0.000016	0.000071	µg/m ³	V0
Cesium	0.000004	0.000017	µg/m ³	V0
Barium	0.000054	0.001949	µg/m ³	V0
Lanthanum	0.000004	0.000088	µg/m ³	V0
Cerium	0.000013	0.000190	µg/m ³	V0
Praseodymium	0.000002	0.000023	µg/m ³	V0
Neodymium	0.000005	0.000079	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.000703	µg/m ³	V0
Tungsten	0.000005	0.000162	µg/m ³	V0
Platinum	0.000004	0.000030	µg/m ³	V0
Thallium	0.000005	0.000006	µg/m ³	V0
Lead	0.000018	0.000210	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000025	µg/m ³	V0
Uranium	0.000003	0.000013	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206051
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		752.9	mmHg	
Particulate Matter	0.042	4.583	µg/m ³	V0
Lithium	0.000016	0.000046	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.803817	µg/m ³	V0
Magnesium	0.000279	0.137237	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.344654	µg/m ³	V0
Phosphorus	0.003480	0.070702	µg/m ³	V0
Potassium	0.000402	0.083261	µg/m ³	V0
Calcium	0.013042	0.128087	µg/m ³	V0
Titanium	0.000031	0.000815	µg/m ³	V0
Vanadium	0.000018	-8888	µg/m ³	V1
Chromium	0.000045	0.001200	µg/m ³	V0
Manganese	0.000028	0.000732	µg/m ³	V0
Iron	0.001585	0.038694	µg/m ³	V0
Cobalt	0.000005	0.000035	µg/m ³	V0
Nickel	0.000015	0.000288	µg/m ³	V0
Copper	0.000027	0.001233	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000126	µg/m ³	V0
Selenium	0.000133	0.000604	µg/m ³	V0
Rubidium	0.000003	0.000004	µg/m ³	V0
Strontium	0.000012	0.000949	µg/m ³	V0
Niobium	0.000006	0.000057	µg/m ³	V0
Molybdenum	0.000025	0.000060	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000392	µg/m ³	V4
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.051282	µg/m ³	V0
Antimony	0.000016	0.000042	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000206	µg/m ³	V0
Lanthanum	0.000004	0.000006	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000430	µg/m ³	V0
Tungsten	0.000005	0.000264	µg/m ³	V0
Platinum	0.000004	0.000018	µg/m ³	V0
Thallium	0.000005	0.000014	µg/m ³	V0
Lead	0.000018	0.000940	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	-8888	µg/m ³	V1
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 221206062
Start Date:	2022-12-20 12:35	End Date:	2022-12-20 12:36	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000149	µg/m ³	V0
Beryllium	0.000013	0.000035	µg/m ³	V0
Sodium	0.000777	0.000786	µg/m ³	V0
Magnesium	0.000279	0.005285	µg/m ³	V0
Aluminum	0.002800	0.012064	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.032956	µg/m ³	V0
Potassium	0.000402	0.045560	µg/m ³	V0
Calcium	0.013042	0.019813	µg/m ³	V0
Titanium	0.000031	0.000428	µg/m ³	V0
Vanadium	0.000018	0.000099	µg/m ³	V0
Chromium	0.000045	0.001009	µg/m ³	V0
Manganese	0.000028	0.000370	µg/m ³	V0
Iron	0.001585	0.006231	µg/m ³	V0
Cobalt	0.000005	0.000042	µg/m ³	V0
Nickel	0.000015	0.000570	µg/m ³	V0
Copper	0.000027	0.000349	µg/m ³	V0
Zinc	0.000149	0.002684	µg/m ³	V0
Arsenic	0.000005	0.000429	µg/m ³	V0
Selenium	0.000133	0.000356	µg/m ³	V0
Rubidium	0.000003	0.000045	µg/m ³	V0
Strontium	0.000012	0.000038	µg/m ³	V0
Niobium	0.000006	0.000205	µg/m ³	V0
Molybdenum	0.000025	0.000045	µg/m ³	V0
Palladium	0.000050	0.000424	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000018	µg/m ³	V0
Tin	0.000008	0.000279	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	0.000023	µg/m ³	V0
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000013	µg/m ³	V0
Cerium	0.000013	0.000015	µg/m ³	V0
Praseodymium	0.000002	0.000013	µg/m ³	V0
Neodymium	0.000005	0.000015	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.001466	µg/m ³	V0
Tungsten	0.000005	0.000118	µg/m ³	V0
Platinum	0.000004	0.000061	µg/m ³	V0
Thallium	0.000005	0.000475	µg/m ³	V0
Lead	0.000018	0.000054	µg/m ³	V0
Bismuth	0.000004	0.000138	µg/m ³	V0
Thorium	0.000002	0.000093	µg/m ³	V0
Uranium	0.000003	0.000032	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206054
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		716.1	mmHg	
Particulate Matter	0.042	4.458	µg/m ³	V0
Lithium	0.000016	0.000117	µg/m ³	V0
Beryllium	0.000013	0.000014	µg/m ³	V0
Sodium	0.000777	0.083437	µg/m ³	V0
Magnesium	0.000279	0.027670	µg/m ³	V0
Aluminum	0.002800	0.042326	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.032132	µg/m ³	V0
Potassium	0.000402	0.066749	µg/m ³	V0
Calcium	0.013042	0.071511	µg/m ³	V0
Titanium	0.000031	0.002041	µg/m ³	V0
Vanadium	0.000018	0.001245	µg/m ³	V0
Chromium	0.000045	0.001393	µg/m ³	V0
Manganese	0.000028	0.000805	µg/m ³	V0
Iron	0.001585	0.027597	µg/m ³	V0
Cobalt	0.000005	0.000063	µg/m ³	V0
Nickel	0.000015	0.000695	µg/m ³	V0
Copper	0.000027	0.000915	µg/m ³	V0
Zinc	0.000149	0.003594	µg/m ³	V0
Arsenic	0.000005	0.000191	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000091	µg/m ³	V0
Strontium	0.000012	0.000286	µg/m ³	V0
Niobium	0.000006	0.000159	µg/m ³	V0
Molybdenum	0.000025	0.000281	µg/m ³	V0
Palladium	0.000050	0.000174	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000024	µg/m ³	V0
Tin	0.000008	0.000318	µg/m ³	V0
Antimony	0.000016	0.000041	µg/m ³	V0
Cesium	0.000004	0.000008	µg/m ³	V0
Barium	0.000054	0.000284	µg/m ³	V0
Lanthanum	0.000004	0.000027	µg/m ³	V0
Cerium	0.000013	0.000049	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000020	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000839	µg/m ³	V0
Tungsten	0.000005	0.000073	µg/m ³	V0
Platinum	0.000004	0.000026	µg/m ³	V0
Thallium	0.000005	0.000083	µg/m ³	V0
Lead	0.000018	0.000159	µg/m ³	V0
Bismuth	0.000004	0.000031	µg/m ³	V0
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206064
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Heavy flurries during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		713.3	mmHg	
Particulate Matter	0.042	1.917	µg/m ³	V0
Lithium	0.000016	0.000072	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.039861	µg/m ³	V0
Magnesium	0.000279	0.011519	µg/m ³	V0
Aluminum	0.002800	0.016856	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.030578	µg/m ³	V0
Potassium	0.000402	0.060301	µg/m ³	V0
Calcium	0.013042	0.032942	µg/m ³	V0
Titanium	0.000031	0.000744	µg/m ³	V0
Vanadium	0.000018	0.000218	µg/m ³	V0
Chromium	0.000045	0.001078	µg/m ³	V0
Manganese	0.000028	0.000292	µg/m ³	V0
Iron	0.001585	0.011589	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000457	µg/m ³	V0
Copper	0.000027	0.000393	µg/m ³	V0
Zinc	0.000149	0.001517	µg/m ³	V0
Arsenic	0.000005	0.000138	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000055	µg/m ³	V0
Strontium	0.000012	0.000117	µg/m ³	V0
Niobium	0.000006	0.000063	µg/m ³	V0
Molybdenum	0.000025	0.000068	µg/m ³	V0
Palladium	0.000050	0.000121	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000021	µg/m ³	V0
Tin	0.000008	0.000252	µg/m ³	V0
Antimony	0.000016	0.000032	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000014	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000006	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000351	µg/m ³	V0
Tungsten	0.000005	0.000030	µg/m ³	V0
Platinum	0.000004	0.000035	µg/m ³	V0
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.000090	µg/m ³	V0
Bismuth	0.000004	0.000012	µg/m ³	V0
Thorium	0.000002	0.000005	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206077
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Light flurries during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		721.4	mmHg	
Particulate Matter	0.042	1.542	µg/m ³	V0
Lithium	0.000016	0.000079	µg/m ³	V0
Beryllium	0.000013	0.000015	µg/m ³	V0
Sodium	0.000777	0.064087	µg/m ³	V0
Magnesium	0.000279	0.014335	µg/m ³	V0
Aluminum	0.002800	0.021146	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.046098	µg/m ³	V0
Potassium	0.000402	0.070728	µg/m ³	V0
Calcium	0.013042	0.041008	µg/m ³	V0
Titanium	0.000031	0.002289	µg/m ³	V0
Vanadium	0.000018	0.000332	µg/m ³	V0
Chromium	0.000045	0.001284	µg/m ³	V0
Manganese	0.000028	0.000383	µg/m ³	V0
Iron	0.001585	0.015690	µg/m ³	V0
Cobalt	0.000005	0.000047	µg/m ³	V0
Nickel	0.000015	0.000541	µg/m ³	V0
Copper	0.000027	0.000786	µg/m ³	V0
Zinc	0.000149	0.000607	µg/m ³	V0
Arsenic	0.000005	0.000145	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000042	µg/m ³	V0
Strontium	0.000012	0.000169	µg/m ³	V0
Niobium	0.000006	0.000162	µg/m ³	V0
Molybdenum	0.000025	0.000157	µg/m ³	V0
Palladium	0.000050	0.000062	µg/m ³	V0
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000019	µg/m ³	V0
Tin	0.000008	0.070574	µg/m ³	V0
Antimony	0.000016	0.000091	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.000220	µg/m ³	V0
Lanthanum	0.000004	0.000018	µg/m ³	V0
Cerium	0.000013	0.000021	µg/m ³	V0
Praseodymium	0.000002	0.000004	µg/m ³	V0
Neodymium	0.000005	0.000010	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000864	µg/m ³	V0
Tungsten	0.000005	0.000051	µg/m ³	V0
Platinum	0.000004	0.000051	µg/m ³	V0
Thallium	0.000005	0.000041	µg/m ³	V0
Lead	0.000018	0.000179	µg/m ³	V0
Bismuth	0.000004	0.000034	µg/m ³	V0
Thorium	0.000002	0.000019	µg/m ³	V0
Uranium	0.000003	0.000018	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221206082
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		742.4	mmHg	
Particulate Matter	0.042	15.000	µg/m ³	V0
Lithium	0.000016	0.000574	µg/m ³	V0
Beryllium	0.000013	0.000019	µg/m ³	V0
Sodium	0.000777	0.108849	µg/m ³	V0
Magnesium	0.000279	0.099158	µg/m ³	V0
Aluminum	0.002800	0.563852	µg/m ³	V0
Silicon	0.010200	1.219469	µg/m ³	V0
Phosphorus	0.003480	0.073559	µg/m ³	V0
Potassium	0.000402	0.437335	µg/m ³	V0
Calcium	0.013042	1.039994	µg/m ³	V0
Titanium	0.000031	0.016467	µg/m ³	V0
Vanadium	0.000018	0.001654	µg/m ³	V0
Chromium	0.000045	0.001332	µg/m ³	V0
Manganese	0.000028	0.005623	µg/m ³	V0
Iron	0.001585	0.358329	µg/m ³	V0
Cobalt	0.000005	0.000292	µg/m ³	V0
Nickel	0.000015	0.000745	µg/m ³	V0
Copper	0.000027	0.000459	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000609	µg/m ³	V0
Strontium	0.000012	0.001841	µg/m ³	V0
Niobium	0.000006	0.000315	µg/m ³	V0
Molybdenum	0.000025	0.000317	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000124	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.042178	µg/m ³	V0
Antimony	0.000016	0.000077	µg/m ³	V0
Cesium	0.000004	0.000036	µg/m ³	V0
Barium	0.000054	0.004269	µg/m ³	V0
Lanthanum	0.000004	0.000282	µg/m ³	V0
Cerium	0.000013	0.000623	µg/m ³	V0
Praseodymium	0.000002	0.000072	µg/m ³	V0
Neodymium	0.000005	0.000288	µg/m ³	V0
Samarium	0.000006	0.000051	µg/m ³	V0
Tantalum	0.000003	0.000992	µg/m ³	V0
Tungsten	0.000005	0.000692	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000277	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000090	µg/m ³	V0
Uranium	0.000003	0.000024	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221206085
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		746.1	mmHg	
Particulate Matter	0.042	6.042	µg/m ³	V0
Lithium	0.000016	0.000095	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.074591	µg/m ³	V0
Magnesium	0.000279	0.019754	µg/m ³	V0
Aluminum	0.002800	0.056454	µg/m ³	V0
Silicon	0.010200	0.051321	µg/m ³	V0
Phosphorus	0.003480	0.032788	µg/m ³	V0
Potassium	0.000402	0.063840	µg/m ³	V0
Calcium	0.013042	0.079355	µg/m ³	V0
Titanium	0.000031	0.002670	µg/m ³	V0
Vanadium	0.000018	0.000880	µg/m ³	V0
Chromium	0.000045	0.000737	µg/m ³	V0
Manganese	0.000028	0.000988	µg/m ³	V0
Iron	0.001585	0.032733	µg/m ³	V0
Cobalt	0.000005	0.000057	µg/m ³	V0
Nickel	0.000015	0.000433	µg/m ³	V0
Copper	0.000027	0.000409	µg/m ³	V0
Zinc	0.000149	0.002200	µg/m ³	V0
Arsenic	0.000005	0.000089	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000136	µg/m ³	V0
Strontium	0.000012	0.000267	µg/m ³	V0
Niobium	0.000006	0.000252	µg/m ³	V0
Molybdenum	0.000025	0.000159	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000007	µg/m ³	V0
Cadmium	0.000011	0.000012	µg/m ³	V0
Tin	0.000008	0.000219	µg/m ³	V0
Antimony	0.000016	0.000110	µg/m ³	V0
Cesium	0.000004	0.000005	µg/m ³	V0
Barium	0.000054	0.001006	µg/m ³	V0
Lanthanum	0.000004	0.000023	µg/m ³	V0
Cerium	0.000013	0.000050	µg/m ³	V0
Praseodymium	0.000002	0.000006	µg/m ³	V0
Neodymium	0.000005	0.000021	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001189	µg/m ³	V0
Tungsten	0.000005	0.000134	µg/m ³	V0
Platinum	0.000004	0.000029	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000089	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000008	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PM10 Metal** Samp Use: **Exposure** Set Index: **1**
Location: **Patricia McInnes** Loc ID: **PATM** WBEA ID: **221206101**
Start Date: **2022-12-25 00:00** End Date: **2022-12-26 00:00** Duration: **24.0 hr**

Notes

Sample status - Temp Diff and sample period. Filter temp -18, valid sample time- 18:03 total sample time=24:00

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-22.0	°C	
Pressure		729.2	mmHg	
Particulate Matter	0.042	6.750	µg/m ³	V6
Lithium	0.000016	0.000160	µg/m ³	V6
Beryllium	0.000013	0.000005	µg/m ³	V6
Sodium	0.000777	0.112945	µg/m ³	V6
Magnesium	0.000279	0.054451	µg/m ³	V6
Aluminum	0.002800	0.128976	µg/m ³	V6
Silicon	0.010200	0.137977	µg/m ³	V6
Phosphorus	0.003480	0.056364	µg/m ³	V6
Potassium	0.000402	0.094833	µg/m ³	V6
Calcium	0.013042	0.159328	µg/m ³	V6
Titanium	0.000031	0.005038	µg/m ³	V6
Vanadium	0.000018	0.001902	µg/m ³	V6
Chromium	0.000045	0.001009	µg/m ³	V6
Manganese	0.000028	0.001847	µg/m ³	V6
Iron	0.001585	0.071878	µg/m ³	V6
Cobalt	0.000005	0.000092	µg/m ³	V6
Nickel	0.000015	0.000735	µg/m ³	V6
Copper	0.000027	0.001070	µg/m ³	V6
Zinc	0.000149	0.003594	µg/m ³	V6
Arsenic	0.000005	0.000078	µg/m ³	V6
Selenium	0.000133	0.000095	µg/m ³	V6
Rubidium	0.000003	0.000175	µg/m ³	V6
Strontium	0.000012	0.000713	µg/m ³	V6
Niobium	0.000006	0.000145	µg/m ³	V6
Molybdenum	0.000025	0.000348	µg/m ³	V6
Palladium	0.000050	0.000064	µg/m ³	V6
Silver	0.000006	0.000004	µg/m ³	V6
Cadmium	0.000011	0.000019	µg/m ³	V6
Tin	0.000008	0.069554	µg/m ³	V6
Antimony	0.000016	0.000100	µg/m ³	V6
Cesium	0.000004	0.000009	µg/m ³	V6
Barium	0.000054	0.001647	µg/m ³	V6
Lanthanum	0.000004	0.000066	µg/m ³	V6
Cerium	0.000013	0.000142	µg/m ³	V6
Praseodymium	0.000002	0.000018	µg/m ³	V6
Neodymium	0.000005	0.000063	µg/m ³	V6
Samarium	0.000006	0.000011	µg/m ³	V6
Tantalum	0.000003	0.000925	µg/m ³	V6
Tungsten	0.000005	0.000095	µg/m ³	V6
Platinum	0.000004	0.000043	µg/m ³	V6
Thallium	0.000005	0.000015	µg/m ³	V6
Lead	0.000018	0.000246	µg/m ³	V6
Bismuth	0.000004	0.000019	µg/m ³	V6
Thorium	0.000002	0.000027	µg/m ³	V6
Uranium	0.000003	0.000008	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206120	
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		743.4	mmHg	
Particulate Matter	0.042	6.000	µg/m ³	V0
Lithium	0.000016	0.000224	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.074543	µg/m ³	V0
Magnesium	0.000279	0.033666	µg/m ³	V0
Aluminum	0.002800	0.144889	µg/m ³	V0
Silicon	0.010200	0.385156	µg/m ³	V0
Phosphorus	0.003480	0.048441	µg/m ³	V0
Potassium	0.000402	0.079158	µg/m ³	V0
Calcium	0.013042	0.067714	µg/m ³	V0
Titanium	0.000031	0.006176	µg/m ³	V0
Vanadium	0.000018	0.000701	µg/m ³	V0
Chromium	0.000045	0.000902	µg/m ³	V0
Manganese	0.000028	0.001391	µg/m ³	V0
Iron	0.001585	0.074826	µg/m ³	V0
Cobalt	0.000005	0.000085	µg/m ³	V0
Nickel	0.000015	0.000599	µg/m ³	V0
Copper	0.000027	0.000503	µg/m ³	V0
Zinc	0.000149	0.001190	µg/m ³	V0
Arsenic	0.000005	0.000012	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000179	µg/m ³	V0
Strontium	0.000012	0.000421	µg/m ³	V0
Niobium	0.000006	0.000120	µg/m ³	V0
Molybdenum	0.000025	0.000106	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.068273	µg/m ³	V0
Antimony	0.000016	0.000029	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.000909	µg/m ³	V0
Lanthanum	0.000004	0.000079	µg/m ³	V0
Cerium	0.000013	0.000164	µg/m ³	V0
Praseodymium	0.000002	0.000019	µg/m ³	V0
Neodymium	0.000005	0.000073	µg/m ³	V0
Samarium	0.000006	0.000013	µg/m ³	V0
Tantalum	0.000003	0.000671	µg/m ³	V0
Tungsten	0.000005	0.000065	µg/m ³	V0
Platinum	0.000004	0.000043	µg/m ³	V0
Thallium	0.000005	0.000008	µg/m ³	V0
Lead	0.000018	0.000102	µg/m ³	V0
Bismuth	0.000004	0.000008	µg/m ³	V0
Thorium	0.000002	0.000023	µg/m ³	V0
Uranium	0.000003	0.000007	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Set Index: 1
Location:	Ells River	Samp Use: Exposure	WBEA ID: 221206125
Start Date:	2022-12-25 00:00	Loc ID: ELSR	Duration: 24.0 hr
		End Date: 2022-12-26 00:00	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		735.8	mmHg	
Particulate Matter	0.042	2.250	µg/m ³	V0
Lithium	0.000016	0.000032	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.063857	µg/m ³	V0
Magnesium	0.000279	0.008084	µg/m ³	V0
Aluminum	0.002800	0.020556	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.066891	µg/m ³	V0
Potassium	0.000402	0.064834	µg/m ³	V0
Calcium	0.013042	0.076455	µg/m ³	V0
Titanium	0.000031	0.001040	µg/m ³	V0
Vanadium	0.000018	0.000252	µg/m ³	V0
Chromium	0.000045	0.000541	µg/m ³	V0
Manganese	0.000028	0.000390	µg/m ³	V0
Iron	0.001585	0.020962	µg/m ³	V0
Cobalt	0.000005	0.000055	µg/m ³	V0
Nickel	0.000015	0.000395	µg/m ³	V0
Copper	0.000027	0.000528	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000014	µg/m ³	V0
Strontium	0.000012	0.000158	µg/m ³	V0
Niobium	0.000006	0.000199	µg/m ³	V0
Molybdenum	0.000025	0.000098	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000058	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.042110	µg/m ³	V0
Antimony	0.000016	0.000048	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000200	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000026	µg/m ³	V0
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000948	µg/m ³	V0
Tungsten	0.000005	0.000268	µg/m ³	V0
Platinum	0.000004	0.000024	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000134	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000003	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221206129
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		738.8	mmHg	
Particulate Matter	0.042	7.042	µg/m ³	V0
Lithium	0.000016	0.000211	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.070029	µg/m ³	V0
Magnesium	0.000279	0.029840	µg/m ³	V0
Aluminum	0.002800	0.196028	µg/m ³	V0
Silicon	0.010200	0.402513	µg/m ³	V0
Phosphorus	0.003480	0.067248	µg/m ³	V0
Potassium	0.000402	0.101392	µg/m ³	V0
Calcium	0.013042	0.168405	µg/m ³	V0
Titanium	0.000031	0.006246	µg/m ³	V0
Vanadium	0.000018	0.000619	µg/m ³	V0
Chromium	0.000045	0.000642	µg/m ³	V0
Manganese	0.000028	0.001902	µg/m ³	V0
Iron	0.001585	0.105727	µg/m ³	V0
Cobalt	0.000005	0.000102	µg/m ³	V0
Nickel	0.000015	0.000306	µg/m ³	V0
Copper	0.000027	0.001091	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000202	µg/m ³	V0
Strontium	0.000012	0.000532	µg/m ³	V0
Niobium	0.000006	0.000122	µg/m ³	V0
Molybdenum	0.000025	0.000106	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000050	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.038985	µg/m ³	V0
Antimony	0.000016	0.000039	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.001545	µg/m ³	V0
Lanthanum	0.000004	0.000092	µg/m ³	V0
Cerium	0.000013	0.000204	µg/m ³	V0
Praseodymium	0.000002	0.000022	µg/m ³	V0
Neodymium	0.000005	0.000090	µg/m ³	V0
Samarium	0.000006	0.000015	µg/m ³	V0
Tantalum	0.000003	0.000508	µg/m ³	V0
Tungsten	0.000005	0.000198	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000211	µg/m ³	V0
Bismuth	0.000004	-8888	µg/m ³	V1
Thorium	0.000002	0.000029	µg/m ³	V0
Uranium	0.000003	0.000008	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206180
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		739.9	mmHg	
Particulate Matter	0.042	0.917	µg/m ³	V0
Lithium	0.000016	0.000100	µg/m ³	V0
Beryllium	0.000013	0.000013	µg/m ³	V0
Sodium	0.000777	0.112468	µg/m ³	V0
Magnesium	0.000279	0.039192	µg/m ³	V0
Aluminum	0.002800	0.078592	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.068205	µg/m ³	V0
Potassium	0.000402	3.442031	µg/m ³	V4
Calcium	0.013042	7.605267	µg/m ³	V4
Titanium	0.000031	0.003190	µg/m ³	V0
Vanadium	0.000018	0.000310	µg/m ³	V0
Chromium	0.000045	0.001538	µg/m ³	V0
Manganese	0.000028	0.000348	µg/m ³	V0
Iron	0.001585	0.016701	µg/m ³	V0
Cobalt	0.000005	0.000196	µg/m ³	V0
Nickel	0.000015	0.001861	µg/m ³	V0
Copper	0.000027	0.000534	µg/m ³	V0
Zinc	0.000149	0.046689	µg/m ³	V4
Arsenic	0.000005	0.000053	µg/m ³	V0
Selenium	0.000133	0.000135	µg/m ³	V0
Rubidium	0.000003	0.000076	µg/m ³	V0
Strontium	0.000012	0.004291	µg/m ³	V0
Niobium	0.000006	0.000051	µg/m ³	V0
Molybdenum	0.000025	0.000136	µg/m ³	V0
Palladium	0.000050	0.000097	µg/m ³	V0
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000014	µg/m ³	V0
Tin	0.000008	0.047164	µg/m ³	V0
Antimony	0.000016	0.000022	µg/m ³	V0
Cesium	0.000004	0.000010	µg/m ³	V0
Barium	0.000054	0.000404	µg/m ³	V0
Lanthanum	0.000004	0.000014	µg/m ³	V0
Cerium	0.000013	0.000024	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000011	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000304	µg/m ³	V0
Tungsten	0.000005	0.000165	µg/m ³	V0
Platinum	0.000004	0.000027	µg/m ³	V0
Thallium	0.000005	0.000123	µg/m ³	V0
Lead	0.000018	0.000213	µg/m ³	V0
Bismuth	0.000004	0.000029	µg/m ³	V0
Thorium	0.000002	0.000017	µg/m ³	V0
Uranium	0.000003	0.000035	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PM10 Metal	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 221206159
Start Date:	2022-12-28 11:00	End Date:	2022-12-28 11:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Mass Flag: 'b1', Field/-dynamic blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter	0.042	-8888	µg/m ³	V1
Lithium	0.000016	0.000038	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.005144	µg/m ³	V0
Magnesium	0.000279	0.001533	µg/m ³	V0
Aluminum	0.002800	0.019853	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.050346	µg/m ³	V0
Potassium	0.000402	0.055931	µg/m ³	V0
Calcium	0.013042	0.014704	µg/m ³	V0
Titanium	0.000031	0.000432	µg/m ³	V0
Vanadium	0.000018	0.000113	µg/m ³	V0
Chromium	0.000045	0.000364	µg/m ³	V0
Manganese	0.000028	0.000074	µg/m ³	V0
Iron	0.001585	0.002577	µg/m ³	V0
Cobalt	0.000005	0.000017	µg/m ³	V0
Nickel	0.000015	0.000141	µg/m ³	V0
Copper	0.000027	0.000126	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000021	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000003	µg/m ³	V0
Strontium	0.000012	0.000024	µg/m ³	V0
Niobium	0.000006	0.000119	µg/m ³	V0
Molybdenum	0.000025	0.000026	µg/m ³	V0
Palladium	0.000050	0.000193	µg/m ³	V0
Silver	0.000006	0.000017	µg/m ³	V0
Cadmium	0.000011	-8888	µg/m ³	V1
Tin	0.000008	0.072458	µg/m ³	V0
Antimony	0.000016	-8888	µg/m ³	V1
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	-8888	µg/m ³	V1
Lanthanum	0.000004	-8888	µg/m ³	V1
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000714	µg/m ³	V0
Tungsten	0.000005	0.000035	µg/m ³	V0
Platinum	0.000004	0.000041	µg/m ³	V0
Thallium	0.000005	0.000013	µg/m ³	V0
Lead	0.000018	-8888	µg/m ³	V1
Bismuth	0.000004	0.000007	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206132
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had temp diff and sample period status codes. Total sampling time = 24:00, Valid sampling time = 01:00.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V6
Temperature		-10.0	°C	
Pressure		713.2	mmHg	
Particulate Matter	0.042	12.167	µg/m ³	V6
Lithium	0.000016	0.000024	µg/m ³	V6
Beryllium	0.000013	0.000002	µg/m ³	V6
Sodium	0.000777	0.064435	µg/m ³	V6
Magnesium	0.000279	0.002249	µg/m ³	V6
Aluminum	0.002800	0.000000	µg/m ³	V6
Silicon	0.010200	0.000000	µg/m ³	V6
Phosphorus	0.003480	0.050645	µg/m ³	V6
Potassium	0.000402	0.144738	µg/m ³	V6
Calcium	0.013042	0.077254	µg/m ³	V6
Titanium	0.000031	0.001875	µg/m ³	V6
Vanadium	0.000018	0.000296	µg/m ³	V6
Chromium	0.000045	0.001271	µg/m ³	V6
Manganese	0.000028	0.000828	µg/m ³	V6
Iron	0.001585	0.035114	µg/m ³	V6
Cobalt	0.000005	0.000046	µg/m ³	V6
Nickel	0.000015	0.000652	µg/m ³	V6
Copper	0.000027	0.001308	µg/m ³	V6
Zinc	0.000149	0.000000	µg/m ³	V6
Arsenic	0.000005	0.000140	µg/m ³	V6
Selenium	0.000133	0.000086	µg/m ³	V6
Rubidium	0.000003	0.000124	µg/m ³	V6
Strontium	0.000012	0.000397	µg/m ³	V6
Niobium	0.000006	0.000203	µg/m ³	V6
Molybdenum	0.000025	0.000155	µg/m ³	V6
Palladium	0.000050	0.000030	µg/m ³	V6
Silver	0.000006	0.000012	µg/m ³	V6
Cadmium	0.000011	0.000072	µg/m ³	V6
Tin	0.000008	0.043359	µg/m ³	V6
Antimony	0.000016	0.000304	µg/m ³	V6
Cesium	0.000004	0.000000	µg/m ³	V6
Barium	0.000054	0.002466	µg/m ³	V6
Lanthanum	0.000004	0.000147	µg/m ³	V6
Cerium	0.000013	0.000055	µg/m ³	V6
Praseodymium	0.000002	0.000003	µg/m ³	V6
Neodymium	0.000005	0.000008	µg/m ³	V6
Samarium	0.000006	0.000001	µg/m ³	V6
Tantalum	0.000003	0.000920	µg/m ³	V6
Tungsten	0.000005	0.000162	µg/m ³	V6
Platinum	0.000004	0.000030	µg/m ³	V6
Thallium	0.000005	0.000004	µg/m ³	V6
Lead	0.000018	0.000674	µg/m ³	V6
Bismuth	0.000004	0.000079	µg/m ³	V6
Thorium	0.000002	0.000001	µg/m ³	V6
Uranium	0.000003	0.000001	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221206139
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		729.7	mmHg	
Particulate Matter	0.042	12.417	µg/m ³	V0
Lithium	0.000016	0.000030	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.134967	µg/m ³	V0
Magnesium	0.000279	0.004468	µg/m ³	V0
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.058327	µg/m ³	V0
Potassium	0.000402	0.147082	µg/m ³	V0
Calcium	0.013042	0.095143	µg/m ³	V0
Titanium	0.000031	0.002848	µg/m ³	V0
Vanadium	0.000018	0.000274	µg/m ³	V0
Chromium	0.000045	0.000486	µg/m ³	V0
Manganese	0.000028	0.000842	µg/m ³	V0
Iron	0.001585	0.056173	µg/m ³	V0
Cobalt	0.000005	0.000044	µg/m ³	V0
Nickel	0.000015	0.000179	µg/m ³	V0
Copper	0.000027	0.001559	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	0.000057	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000124	µg/m ³	V0
Strontium	0.000012	0.000319	µg/m ³	V0
Niobium	0.000006	0.000236	µg/m ³	V0
Molybdenum	0.000025	0.000196	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000023	µg/m ³	V0
Cadmium	0.000011	0.000064	µg/m ³	V0
Tin	0.000008	0.039944	µg/m ³	V0
Antimony	0.000016	0.000473	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.004302	µg/m ³	V0
Lanthanum	0.000004	0.000163	µg/m ³	V0
Cerium	0.000013	0.000052	µg/m ³	V0
Praseodymium	0.000002	0.000003	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000864	µg/m ³	V0
Tungsten	0.000005	0.000177	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000384	µg/m ³	V0
Bismuth	0.000004	0.000060	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206145
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

Low sample volume likely due to failing pump. Troubleshooting has begun.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		23.8	m ³	V6
Temperature		-9.9	°C	
Pressure		701.4	mmHg	
Particulate Matter	0.042	9.706	µg/m ³	V0
Lithium	0.000016	0.000089	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.046905	µg/m ³	V0
Magnesium	0.000279	0.012007	µg/m ³	V0
Aluminum	0.002800	0.028669	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.049851	µg/m ³	V0
Potassium	0.000402	0.315872	µg/m ³	V0
Calcium	0.013042	0.755319	µg/m ³	V0
Titanium	0.000031	0.001604	µg/m ³	V0
Vanadium	0.000018	0.000304	µg/m ³	V0
Chromium	0.000045	0.002889	µg/m ³	V0
Manganese	0.000028	0.000494	µg/m ³	V0
Iron	0.001585	0.019072	µg/m ³	V0
Cobalt	0.000005	0.000076	µg/m ³	V0
Nickel	0.000015	0.001199	µg/m ³	V0
Copper	0.000027	0.005544	µg/m ³	V0
Zinc	0.000149	0.007769	µg/m ³	V0
Arsenic	0.000005	0.000234	µg/m ³	V0
Selenium	0.000133	0.000143	µg/m ³	V0
Rubidium	0.000003	0.000113	µg/m ³	V0
Strontium	0.000012	0.000716	µg/m ³	V0
Niobium	0.000006	0.000179	µg/m ³	V0
Molybdenum	0.000025	0.000152	µg/m ³	V0
Palladium	0.000050	0.000281	µg/m ³	V0
Silver	0.000006	0.000014	µg/m ³	V0
Cadmium	0.000011	0.000045	µg/m ³	V0
Tin	0.000008	0.071099	µg/m ³	V0
Antimony	0.000016	0.000099	µg/m ³	V0
Cesium	0.000004	0.000013	µg/m ³	V0
Barium	0.000054	0.000243	µg/m ³	V0
Lanthanum	0.000004	0.000099	µg/m ³	V0
Cerium	0.000013	0.000017	µg/m ³	V0
Praseodymium	0.000002	0.000005	µg/m ³	V0
Neodymium	0.000005	0.000009	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.001630	µg/m ³	V0
Tungsten	0.000005	0.000102	µg/m ³	V0
Platinum	0.000004	0.000041	µg/m ³	V0
Thallium	0.000005	0.000164	µg/m ³	V0
Lead	0.000018	0.000595	µg/m ³	V0
Bismuth	0.000004	0.000079	µg/m ³	V0
Thorium	0.000002	0.000028	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206152
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.8	°C	
Pressure		699.4	mmHg	
Particulate Matter	0.042	13.042	µg/m ³	V0
Lithium	0.000016	0.000064	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.031701	µg/m ³	V0
Magnesium	0.000279	0.011187	µg/m ³	V0
Aluminum	0.002800	0.025741	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.054423	µg/m ³	V0
Potassium	0.000402	0.348227	µg/m ³	V0
Calcium	0.013042	0.812560	µg/m ³	V0
Titanium	0.000031	0.001371	µg/m ³	V0
Vanadium	0.000018	0.000341	µg/m ³	V0
Chromium	0.000045	0.000707	µg/m ³	V0
Manganese	0.000028	0.000261	µg/m ³	V0
Iron	0.001585	0.008354	µg/m ³	V0
Cobalt	0.000005	0.000041	µg/m ³	V0
Nickel	0.000015	0.000314	µg/m ³	V0
Copper	0.000027	0.000700	µg/m ³	V0
Zinc	0.000149	0.006470	µg/m ³	V0
Arsenic	0.000005	0.000245	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000138	µg/m ³	V0
Strontium	0.000012	0.000729	µg/m ³	V0
Niobium	0.000006	0.000138	µg/m ³	V0
Molybdenum	0.000025	0.000073	µg/m ³	V0
Palladium	0.000050	0.000125	µg/m ³	V0
Silver	0.000006	0.000022	µg/m ³	V0
Cadmium	0.000011	0.000061	µg/m ³	V0
Tin	0.000008	0.076227	µg/m ³	V0
Antimony	0.000016	0.000108	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.000293	µg/m ³	V0
Lanthanum	0.000004	0.000054	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	0.000002	µg/m ³	V0
Neodymium	0.000005	0.000005	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000760	µg/m ³	V0
Tungsten	0.000005	0.000056	µg/m ³	V0
Platinum	0.000004	0.000041	µg/m ³	V0
Thallium	0.000005	0.000036	µg/m ³	V0
Lead	0.000018	0.000530	µg/m ³	V0
Bismuth	0.000004	0.000031	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206163
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.5	°C	
Pressure		707.3	mmHg	
Particulate Matter	0.042	9.708	µg/m ³	V0
Lithium	0.000016	0.000046	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.022182	µg/m ³	V0
Magnesium	0.000279	0.003889	µg/m ³	V0
Aluminum	0.002800	0.008959	µg/m ³	V0
Silicon	0.010200	-8888	µg/m ³	V1
Phosphorus	0.003480	0.049330	µg/m ³	V0
Potassium	0.000402	0.094866	µg/m ³	V0
Calcium	0.013042	0.017943	µg/m ³	V0
Titanium	0.000031	0.000923	µg/m ³	V0
Vanadium	0.000018	0.000252	µg/m ³	V0
Chromium	0.000045	0.000807	µg/m ³	V0
Manganese	0.000028	0.000275	µg/m ³	V0
Iron	0.001585	0.011716	µg/m ³	V0
Cobalt	0.000005	0.000031	µg/m ³	V0
Nickel	0.000015	0.000320	µg/m ³	V0
Copper	0.000027	0.000668	µg/m ³	V0
Zinc	0.000149	0.005096	µg/m ³	V0
Arsenic	0.000005	0.000115	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000101	µg/m ³	V0
Strontium	0.000012	0.000180	µg/m ³	V0
Niobium	0.000006	0.000113	µg/m ³	V0
Molybdenum	0.000025	0.000084	µg/m ³	V0
Palladium	0.000050	0.000086	µg/m ³	V0
Silver	0.000006	0.000011	µg/m ³	V0
Cadmium	0.000011	0.000062	µg/m ³	V0
Tin	0.000008	0.067849	µg/m ³	V0
Antimony	0.000016	0.000100	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000481	µg/m ³	V0
Lanthanum	0.000004	0.000050	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000734	µg/m ³	V0
Tungsten	0.000005	0.000058	µg/m ³	V0
Platinum	0.000004	0.000041	µg/m ³	V0
Thallium	0.000005	0.000010	µg/m ³	V0
Lead	0.000018	0.000251	µg/m ³	V0
Bismuth	0.000004	0.000052	µg/m ³	V0
Thorium	0.000002	0.000002	µg/m ³	V0
Uranium	0.000003	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort Hills	Loc ID:	FTHL	WBEA ID:	221206172
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.8	°C	
Pressure		725.7	mmHg	
Particulate Matter	0.042	18.208	µg/m ³	V0
Lithium	0.000016	0.000128	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.067280	µg/m ³	V0
Magnesium	0.000279	0.022925	µg/m ³	V0
Aluminum	0.002800	0.122345	µg/m ³	V0
Silicon	0.010200	0.047333	µg/m ³	V0
Phosphorus	0.003480	0.069475	µg/m ³	V0
Potassium	0.000402	0.367119	µg/m ³	V0
Calcium	0.013042	0.812532	µg/m ³	V0
Titanium	0.000031	0.006273	µg/m ³	V0
Vanadium	0.000018	0.008702	µg/m ³	V0
Chromium	0.000045	0.000719	µg/m ³	V0
Manganese	0.000028	0.002557	µg/m ³	V0
Iron	0.001585	0.080884	µg/m ³	V0
Cobalt	0.000005	0.000136	µg/m ³	V0
Nickel	0.000015	0.002748	µg/m ³	V0
Copper	0.000027	0.001177	µg/m ³	V0
Zinc	0.000149	0.008359	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000209	µg/m ³	V0
Strontium	0.000012	0.000940	µg/m ³	V0
Niobium	0.000006	0.000580	µg/m ³	V0
Molybdenum	0.000025	0.000776	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000390	µg/m ³	V4
Cadmium	0.000011	0.000058	µg/m ³	V0
Tin	0.000008	0.044120	µg/m ³	V0
Antimony	0.000016	0.000407	µg/m ³	V0
Cesium	0.000004	0.000007	µg/m ³	V0
Barium	0.000054	0.001635	µg/m ³	V0
Lanthanum	0.000004	0.000224	µg/m ³	V0
Cerium	0.000013	0.000172	µg/m ³	V0
Praseodymium	0.000002	0.000021	µg/m ³	V0
Neodymium	0.000005	0.000082	µg/m ³	V0
Samarium	0.000006	0.000014	µg/m ³	V0
Tantalum	0.000003	0.005401	µg/m ³	V0
Tungsten	0.000005	0.004978	µg/m ³	V4
Platinum	0.000004	0.000020	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000473	µg/m ³	V0
Bismuth	0.000004	0.000046	µg/m ³	V0
Thorium	0.000002	0.000027	µg/m ³	V0
Uranium	0.000003	0.000009	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206193	
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		726.6	mmHg	
Particulate Matter	0.042	15.833	µg/m ³	V0
Lithium	0.000016	0.000086	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.085938	µg/m ³	V0
Magnesium	0.000279	0.017569	µg/m ³	V0
Aluminum	0.002800	0.095190	µg/m ³	V0
Silicon	0.010200	0.036709	µg/m ³	V0
Phosphorus	0.003480	0.070270	µg/m ³	V0
Potassium	0.000402	0.202003	µg/m ³	V0
Calcium	0.013042	0.148614	µg/m ³	V0
Titanium	0.000031	0.004289	µg/m ³	V0
Vanadium	0.000018	0.004716	µg/m ³	V0
Chromium	0.000045	0.001306	µg/m ³	V0
Manganese	0.000028	0.001699	µg/m ³	V0
Iron	0.001585	0.055995	µg/m ³	V0
Cobalt	0.000005	0.000083	µg/m ³	V0
Nickel	0.000015	0.001622	µg/m ³	V0
Copper	0.000027	0.001715	µg/m ³	V0
Zinc	0.000149	0.000929	µg/m ³	V0
Arsenic	0.000005	0.000037	µg/m ³	V0
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000184	µg/m ³	V0
Strontium	0.000012	0.001324	µg/m ³	V0
Niobium	0.000006	0.000104	µg/m ³	V0
Molybdenum	0.000025	0.000322	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000012	µg/m ³	V0
Cadmium	0.000011	0.000059	µg/m ³	V0
Tin	0.000008	0.039833	µg/m ³	V0
Antimony	0.000016	0.000246	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.004022	µg/m ³	V0
Lanthanum	0.000004	0.000179	µg/m ³	V0
Cerium	0.000013	0.000108	µg/m ³	V0
Praseodymium	0.000002	0.000011	µg/m ³	V0
Neodymium	0.000005	0.000047	µg/m ³	V0
Samarium	0.000006	0.000008	µg/m ³	V0
Tantalum	0.000003	0.000513	µg/m ³	V0
Tungsten	0.000005	0.000114	µg/m ³	V0
Platinum	0.000004	0.000022	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000503	µg/m ³	V0
Bismuth	0.000004	0.000355	µg/m ³	V4
Thorium	0.000002	0.000014	µg/m ³	V0
Uranium	0.000003	0.000004	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221206205
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.3	°C	
Pressure		719.3	mmHg	
Particulate Matter	0.042	12.208	µg/m ³	V0
Lithium	0.000016	0.000082	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.041555	µg/m ³	V0
Magnesium	0.000279	0.014697	µg/m ³	V0
Aluminum	0.002800	0.084188	µg/m ³	V0
Silicon	0.010200	0.021994	µg/m ³	V0
Phosphorus	0.003480	0.072806	µg/m ³	V0
Potassium	0.000402	0.132505	µg/m ³	V0
Calcium	0.013042	0.104495	µg/m ³	V0
Titanium	0.000031	0.002737	µg/m ³	V0
Vanadium	0.000018	0.000422	µg/m ³	V0
Chromium	0.000045	0.000831	µg/m ³	V0
Manganese	0.000028	0.001624	µg/m ³	V0
Iron	0.001585	0.061377	µg/m ³	V0
Cobalt	0.000005	0.000060	µg/m ³	V0
Nickel	0.000015	0.000429	µg/m ³	V0
Copper	0.000027	0.007203	µg/m ³	V0
Zinc	0.000149	0.001705	µg/m ³	V0
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	0.000138	µg/m ³	V0
Rubidium	0.000003	0.000172	µg/m ³	V0
Strontium	0.000012	0.000274	µg/m ³	V0
Niobium	0.000006	0.000101	µg/m ³	V0
Molybdenum	0.000025	0.000129	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	0.000008	µg/m ³	V0
Cadmium	0.000011	0.000050	µg/m ³	V0
Tin	0.000008	0.041140	µg/m ³	V0
Antimony	0.000016	0.000124	µg/m ³	V0
Cesium	0.000004	0.000006	µg/m ³	V0
Barium	0.000054	0.001081	µg/m ³	V0
Lanthanum	0.000004	0.000176	µg/m ³	V0
Cerium	0.000013	0.000079	µg/m ³	V0
Praseodymium	0.000002	0.000009	µg/m ³	V0
Neodymium	0.000005	0.000036	µg/m ³	V0
Samarium	0.000006	0.000006	µg/m ³	V0
Tantalum	0.000003	0.000470	µg/m ³	V0
Tungsten	0.000005	0.000126	µg/m ³	V0
Platinum	0.000004	0.000021	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000820	µg/m ³	V0
Bismuth	0.000004	0.000010	µg/m ³	V0
Thorium	0.000002	0.000011	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PM10 Metal	Samp Use:	Exposure	Set Index:	1
Location:	Fort McKay South	Loc ID:	FMCS	WBEA ID:	221206209
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.8	°C	
Pressure		722.0	mmHg	
Particulate Matter	0.042	10.292	µg/m ³	V0
Lithium	0.000016	0.000086	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.054296	µg/m ³	V0
Magnesium	0.000279	0.009527	µg/m ³	V0
Aluminum	0.002800	0.066526	µg/m ³	V0
Silicon	0.010200	0.062310	µg/m ³	V0
Phosphorus	0.003480	0.063508	µg/m ³	V0
Potassium	0.000402	0.133250	µg/m ³	V0
Calcium	0.013042	0.114276	µg/m ³	V0
Titanium	0.000031	0.003020	µg/m ³	V0
Vanadium	0.000018	0.000828	µg/m ³	V0
Chromium	0.000045	0.001288	µg/m ³	V0
Manganese	0.000028	0.001578	µg/m ³	V0
Iron	0.001585	0.055201	µg/m ³	V0
Cobalt	0.000005	0.000058	µg/m ³	V0
Nickel	0.000015	0.000626	µg/m ³	V0
Copper	0.000027	0.001984	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000157	µg/m ³	V0
Strontium	0.000012	0.000315	µg/m ³	V0
Niobium	0.000006	0.000138	µg/m ³	V0
Molybdenum	0.000025	0.000137	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000048	µg/m ³	V0
Tin	0.000008	0.044182	µg/m ³	V0
Antimony	0.000016	0.000124	µg/m ³	V0
Cesium	0.000004	0.000004	µg/m ³	V0
Barium	0.000054	0.001012	µg/m ³	V0
Lanthanum	0.000004	0.000151	µg/m ³	V0
Cerium	0.000013	0.000077	µg/m ³	V0
Praseodymium	0.000002	0.000008	µg/m ³	V0
Neodymium	0.000005	0.000033	µg/m ³	V0
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000685	µg/m ³	V0
Tungsten	0.000005	0.000104	µg/m ³	V0
Platinum	0.000004	0.000023	µg/m ³	V0
Thallium	0.000005	-8888	µg/m ³	V1
Lead	0.000018	0.000431	µg/m ³	V0
Bismuth	0.000004	0.000015	µg/m ³	V0
Thorium	0.000002	0.000012	µg/m ³	V0
Uranium	0.000003	0.000003	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PM10 Metal	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206215	
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr	

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		723.0	mmHg	
Particulate Matter	0.042	4.542	µg/m ³	V0
Lithium	0.000016	0.000022	µg/m ³	V0
Beryllium	0.000013	-8888	µg/m ³	V1
Sodium	0.000777	0.021495	µg/m ³	V0
Magnesium	0.000279	-8888	µg/m ³	V1
Aluminum	0.002800	-8888	µg/m ³	V1
Silicon	0.010200	0.040624	µg/m ³	V0
Phosphorus	0.003480	0.078828	µg/m ³	V0
Potassium	0.000402	0.070112	µg/m ³	V0
Calcium	0.013042	0.033035	µg/m ³	V0
Titanium	0.000031	0.000498	µg/m ³	V0
Vanadium	0.000018	0.000215	µg/m ³	V0
Chromium	0.000045	0.001459	µg/m ³	V0
Manganese	0.000028	0.000289	µg/m ³	V0
Iron	0.001585	0.014769	µg/m ³	V0
Cobalt	0.000005	0.000021	µg/m ³	V0
Nickel	0.000015	0.000277	µg/m ³	V0
Copper	0.000027	0.000968	µg/m ³	V0
Zinc	0.000149	-8888	µg/m ³	V1
Arsenic	0.000005	-8888	µg/m ³	V1
Selenium	0.000133	-8888	µg/m ³	V1
Rubidium	0.000003	0.000032	µg/m ³	V0
Strontium	0.000012	0.000072	µg/m ³	V0
Niobium	0.000006	0.000046	µg/m ³	V0
Molybdenum	0.000025	0.000081	µg/m ³	V0
Palladium	0.000050	-8888	µg/m ³	V1
Silver	0.000006	-8888	µg/m ³	V1
Cadmium	0.000011	0.000036	µg/m ³	V0
Tin	0.000008	0.046325	µg/m ³	V0
Antimony	0.000016	0.000047	µg/m ³	V0
Cesium	0.000004	-8888	µg/m ³	V1
Barium	0.000054	0.000261	µg/m ³	V0
Lanthanum	0.000004	0.000026	µg/m ³	V0
Cerium	0.000013	-8888	µg/m ³	V1
Praseodymium	0.000002	-8888	µg/m ³	V1
Neodymium	0.000005	-8888	µg/m ³	V1
Samarium	0.000006	-8888	µg/m ³	V1
Tantalum	0.000003	0.000228	µg/m ³	V0
Tungsten	0.000005	0.000114	µg/m ³	V0
Platinum	0.000004	0.000025	µg/m ³	V0
Thallium	0.000005	0.000026	µg/m ³	V0
Lead	0.000018	0.000232	µg/m ³	V0
Bismuth	0.000004	0.000013	µg/m ³	V0
Thorium	0.000002	0.000004	µg/m ³	V0
Uranium	0.000003	0.000006	µg/m ³	V0



WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

**INTEGRATED MONITORING PROGRAM
ANNUAL REPORT**

**PARTICULATE MATTER – ELEMENTAL CARBON/ORGANIC CARBON
DATA SUMMARY
2022**

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

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

LABORATORY ANALYSIS BY:

EC/OC: Desert Research Institute
Reno, NV



CONTENTS DESCRIPTION	Results of Partisol Sampler Measurements of elemental carbon (EC) and organic carbon (OC)
SAMPLING PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	$\mu\text{g}/\text{m}^3$ (microgram per cubic meter)
OBSERVATION TYPE	Particles
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Filtration with PM_{10} Inlet/Very Sharp Cut Cyclone for $\text{PM}_{2.5}$
PARTICLE DIAMETER	< 2.5 μm
MEDIUM	47 mm Quartz Filter
ANALYTICAL METHODS	DRI Model 2001 Thermal/Optical Carbon Analyzer
SAMPLE PREPARATION	NA
ANALYTICAL LABORATORY	Desert Research Institute
USER NOTE 1	Data are blank corrected
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Blank sample concentration ($\mu\text{g}/\text{m}^3$) is calculated using expected actual volume of sampler
USER NOTE 4	Values flagged V1 are displayed as -8888
VOLUME STANDARDIZATION	Actual Volume at Ambient Conditions
SAMPLING INSTRUMENT TYPE	FRM Partisol $\text{PM}_{2.5}$ sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 22010002
Start Date: 2022-01-04 11:00 End Date: 2022-01-04 11:01 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.009	µg/m ³	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.045	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.021	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.228	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.207	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.006	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.016	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.021	µg/m ³	V0
Total Carbon	0.206	0.228	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID: 220100027
Start Date:	2022-01-04 12:01	End Date:	2022-01-04 12:02	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.005	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC	Samp Use: Field Procedure Blank	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 220100050
Start Date: 2022-01-04 14:00	End Date: 2022-01-04 14:01	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.008	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.082	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.199	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.199	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Wapasu		Loc ID: WAPS	WBEA ID: 22010000
Start Date: 2022-01-05 00:00		End Date: 2022-01-06 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		725.8	mmHg	
Organic Carbon Fraction 1	0.002	0.251	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.350	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.450	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.257	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.119	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.050	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.426	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.357	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.162	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.082	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.125	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.194	µg/m ³	V0
Total Carbon	0.206	1.551	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220100028
Start Date:	2022-01-05 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-01-06 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-31.0	°C	
Pressure		751.8	mmHg	
Organic Carbon Fraction 1	0.002	0.416	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.503	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.721	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.606	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.149	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.028	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.395	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.274	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.373	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.211	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.436	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.556	µg/m ³	V0
Total Carbon	0.206	2.830	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220100051
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		712.1	mmHg	
Organic Carbon Fraction 1	0.002	0.138	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.132	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.434	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.242	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.068	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.032	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.014	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.978	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.069	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.031	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.032	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.069	µg/m ³	V0
Total Carbon	0.206	1.047	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220100087
Start Date:	2022-01-11 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-01-12 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		732.7	mmHg	
Organic Carbon Fraction 1	0.002	0.530	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.495	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.397	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.189	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.196	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.231	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.807	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.841	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.176	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.454	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.434	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.399	µg/m ³	V0
Total Carbon	0.206	2.240	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220100095
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-18.0	°C	
Pressure		732.9	mmHg	
Organic Carbon Fraction 1	0.002	0.241	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.251	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.252	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.115	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.172	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.081	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.031	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.940	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.118	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.109	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.054	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.146	µg/m ³	V0
Total Carbon	0.206	1.086	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220100097
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.7	°C	
Pressure		695.0	mmHg	
Organic Carbon Fraction 1	0.002	0.271	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.354	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.459	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.325	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.562	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.465	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.972	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.875	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.426	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.268	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.131	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.229	µg/m ³	V0
Total Carbon	0.206	2.103	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 220100134
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		694.1	mmHg	
Organic Carbon Fraction 1	0.002	0.094	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.154	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.163	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.047	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.099	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.020	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.557	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.479	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.030	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.081	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.012	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.091	µg/m ³	V0
Total Carbon	0.206	0.569	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220100159
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		708.3	mmHg	
Organic Carbon Fraction 1	0.002	0.126	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.163	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.232	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.088	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.117	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.026	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.726	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.635	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.045	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.095	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.022	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.113	µg/m ³	V0
Total Carbon	0.206	0.748	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220100161
Start Date:	2022-01-17 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-01-18 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		733.4	mmHg	
Organic Carbon Fraction 1	0.002	0.291	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.395	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.293	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.135	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.208	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.029	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.322	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.143	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.124	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.443	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.359	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.538	µg/m ³	V0
Total Carbon	0.206	1.681	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-01-23 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-01-24 00:00

Set Index: 1
WBEA ID: 220100201
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-5.9	°C	
Pressure		697.3	mmHg	
Organic Carbon Fraction 1	0.002	0.216	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.248	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.323	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.199	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.265	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.152	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.250	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.138	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.269	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.110	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.114	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.227	µg/m ³	V0
Total Carbon	0.206	1.364	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID: 220100207
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		710.3	mmHg	
Organic Carbon Fraction 1	0.002	0.136	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.212	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.195	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.057	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.143	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.041	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.744	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.642	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.044	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.202	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.103	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.205	µg/m ³	V0
Total Carbon	0.206	0.847	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220100223
Start Date:	2022-01-23 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-01-24 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		735.0	mmHg	
Organic Carbon Fraction 1	0.002	0.464	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.342	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.311	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.140	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.210	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.011	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.467	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.267	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.253	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.368	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.410	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.610	µg/m ³	V0
Total Carbon	0.206	1.878	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220100268
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.9	°C	
Pressure		697.9	mmHg	
Organic Carbon Fraction 1	0.002	0.109	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.340	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.390	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.183	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.446	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.231	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.468	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.253	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.343	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.155	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.052	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.267	µg/m ³	V0
Total Carbon	0.206	1.520	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220100285
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		709.7	mmHg	
Organic Carbon Fraction 1	0.002	0.154	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.200	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.220	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.065	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.081	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.015	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.720	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.654	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.022	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.099	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.040	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.107	µg/m ³	V0
Total Carbon	0.206	0.760	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220100295
Start Date:	2022-01-29 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-01-30 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		733.6	mmHg	
Organic Carbon Fraction 1	0.002	0.547	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.656	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.475	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.193	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.225	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.052	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.094	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.922	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.278	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	1.152	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	1.205	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	1.378	µg/m ³	V0
Total Carbon	0.206	3.300	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Stony Mountain Loc ID: STMT WBEA ID: 220200385
Start Date: 2022-02-01 11:20 End Date: 2022-02-01 11:21 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.003	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220200422
Start Date: 2022-02-02 11:55 End Date: 2022-02-02 11:56 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.044	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.057	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.223	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	0.009	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.048	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.057	µg/m ³	V0
Total Carbon	0.206	0.223	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200430	
Start Date:	2022-02-02 15:45	End Date:	2022-02-02 15:46	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.015	µg/m ³	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.006	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220200384
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		699.4	mmHg	
Organic Carbon Fraction 1	0.002	0.109	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.118	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.294	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.160	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.276	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.117	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.958	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.799	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.193	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.174	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.091	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.250	µg/m ³	V0
Total Carbon	0.206	1.049	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-02-04 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-02-05 00:00

Set Index: 1
WBEA ID: 220200423
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		712.6	mmHg	
Organic Carbon Fraction 1	0.002	0.148	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.140	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.200	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.069	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.112	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.104	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.669	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.661	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.106	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.076	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.069	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.077	µg/m ³	V0
Total Carbon	0.206	0.738	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200435
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		737.5	mmHg	
Organic Carbon Fraction 1	0.002	0.326	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.687	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.829	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.389	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.580	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.205	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.810	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.435	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.843	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.645	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.908	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	1.282	µg/m ³	V0
Total Carbon	0.206	3.718	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-02-10 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-02-11 00:00

Set Index: 1
WBEA ID: 220200452
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-4.6	°C	
Pressure		693.5	mmHg	
Organic Carbon Fraction 1	0.002	0.042	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.158	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.213	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.065	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.073	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.550	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.481	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.004	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.069	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.069	µg/m ³	V0
Total Carbon	0.206	0.550	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220200493
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-15.0	°C	
Pressure		706.1	mmHg	
Organic Carbon Fraction 1	0.002	0.183	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.196	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.384	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.146	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.259	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.105	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.169	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.015	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.156	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.233	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.130	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.283	µg/m ³	V0
Total Carbon	0.206	1.298	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200504
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-13.0	°C	
Pressure		730.6	mmHg	
Organic Carbon Fraction 1	0.002	0.543	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.487	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.282	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.139	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.263	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.117	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.714	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.568	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.135	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.496	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.368	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.514	µg/m ³	V0
Total Carbon	0.206	2.082	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220200541
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-22.0	°C	
Pressure		705.5	mmHg	
Organic Carbon Fraction 1	0.002	0.082	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.134	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.227	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.116	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.172	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.731	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.558	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.062	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.178	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.068	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.240	µg/m ³	V0
Total Carbon	0.206	0.798	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-02-16 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-02-17 00:00

Set Index: 1
WBEA ID: 220200566
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-27.0	°C	
Pressure		718.6	mmHg	
Organic Carbon Fraction 1	0.002	0.173	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.168	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.176	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.090	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.147	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.092	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.754	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.699	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.102	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.132	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.087	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.142	µg/m ³	V0
Total Carbon	0.206	0.840	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200527
Start Date:	2022-02-16 00:02	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had a power fail status code. Resulted in short sampling duration.(86280/86400)

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-29.0	°C	
Pressure		744.0	mmHg	
Organic Carbon Fraction 1	0.002	0.404	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.705	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.444	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.333	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.833	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.545	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.718	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.430	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.893	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.439	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.499	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.788	µg/m ³	V0
Total Carbon	0.206	3.218	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 220200592
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-21.0	°C	
Pressure		709.5	mmHg	
Organic Carbon Fraction 1	0.002	0.065	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.120	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.184	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.062	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.093	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.045	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.523	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.475	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.062	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.032	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.049	µg/m ³	V0
Total Carbon	0.206	0.524	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-02-22 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-02-23 00:00

Set Index: 1
WBEA ID: 220200593
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		726.3	mmHg	
Organic Carbon Fraction 1	0.002	0.252	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.253	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.319	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.192	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.401	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.213	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.417	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.229	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.309	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.197	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.105	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.293	µg/m ³	V0
Total Carbon	0.206	1.522	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220200598
Start Date:	2022-02-22 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-02-23 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-28.0	°C	
Pressure		751.6	mmHg	
Organic Carbon Fraction 1	0.002	0.794	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.718	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.438	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.311	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.985	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.536	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.246	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.797	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.631	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.933	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.578	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	1.028	µg/m ³	V0
Total Carbon	0.206	3.824	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200646
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		737.4	mmHg	
Organic Carbon Fraction 1	0.002	0.434	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.647	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.522	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.258	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.282	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.120	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.143	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.980	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.426	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.633	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.777	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.939	µg/m ³	V0
Total Carbon	0.206	2.919	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220200660
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		699.9	mmHg	
Organic Carbon Fraction 1	0.002	0.059	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.175	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.225	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.080	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.099	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.062	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.638	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.602	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.069	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.071	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.041	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.078	µg/m ³	V0
Total Carbon	0.206	0.679	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 220200673
Start Date: 2022-02-28 00:00	End Date: 2022-03-01 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		717.4	mmHg	
Organic Carbon Fraction 1	0.002	0.209	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.322	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.454	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.200	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.284	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.182	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.469	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.367	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.208	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.435	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.359	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.461	µg/m ³	V0
Total Carbon	0.206	1.828	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220200754
Start Date: 2022-03-01 08:30 End Date: 2022-03-01 08:31 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.016	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.004	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300761
Start Date:	2022-03-01 09:35	End Date:	2022-03-01 09:36	Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.003	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.051	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.012	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.014	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.014	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.014	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Stony Mountain Loc ID: STMT WBEA ID: 220300788
Start Date: 2022-03-02 12:40 End Date: 2022-03-02 12:41 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.006	µg/m ³	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.007	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.044	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.036	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.044	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.008	µg/m ³	V0
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220200755
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.8	°C	
Pressure		718.8	mmHg	
Organic Carbon Fraction 1	0.002	0.308	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.433	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.504	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.214	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.336	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.118	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.795	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.577	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.226	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.231	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.121	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.339	µg/m ³	V0
Total Carbon	0.206	1.916	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220300763
Start Date:	2022-03-06 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-03-07 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.1	°C	
Pressure		736.9	mmHg	
Organic Carbon Fraction 1	0.002	0.580	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.586	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.517	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.204	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.264	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.178	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.151	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.065	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.113	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.422	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.270	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.357	µg/m ³	V0
Total Carbon	0.206	2.422	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220300789
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.3	°C	
Pressure		704.0	mmHg	
Organic Carbon Fraction 1	0.002	0.136	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.208	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.224	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.086	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.196	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.123	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.850	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.777	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.052	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.146	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.074	µg/m ³	V0
Total Carbon	0.206	0.852	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220300835
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		708.3	mmHg	
Organic Carbon Fraction 1	0.002	0.211	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.227	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.259	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.096	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.089	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.010	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.881	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.802	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.034	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.119	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.064	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.143	µg/m ³	V0
Total Carbon	0.206	0.945	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300841
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		727.4	mmHg	
Organic Carbon Fraction 1	0.002	0.472	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.473	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.271	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.097	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.302	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.294	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.615	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.607	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.122	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.448	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.268	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.275	µg/m ³	V0
Total Carbon	0.206	1.883	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220300865
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.5	°C	
Pressure		691.5	mmHg	
Organic Carbon Fraction 1	0.002	0.106	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.186	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.250	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.119	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.129	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.015	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.789	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.675	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.062	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.093	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.025	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.139	µg/m ³	V0
Total Carbon	0.206	0.814	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220300913
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.2	°C	
Pressure		694.9	mmHg	
Organic Carbon Fraction 1	0.002	0.078	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.182	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.298	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.074	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.114	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.746	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.632	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.008	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.106	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.114	µg/m ³	V0
Total Carbon	0.206	0.746	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220300929
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.0	°C	
Pressure		709.9	mmHg	
Organic Carbon Fraction 1	0.002	0.501	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.448	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.373	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.253	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.371	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.259	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.946	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.834	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.151	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.343	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.123	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.235	µg/m ³	V0
Total Carbon	0.206	2.068	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300935
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.1	°C	
Pressure		729.8	mmHg	
Organic Carbon Fraction 1	0.002	0.934	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.926	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.813	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.443	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.810	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.760	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.925	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.875	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.467	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.804	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.461	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.511	µg/m ³	V0
Total Carbon	0.206	4.386	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220301006
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.3	°C	
Pressure		701.7	mmHg	
Organic Carbon Fraction 1	0.002	0.109	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.190	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.252	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.095	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.121	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.767	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.646	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.005	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.116	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.121	µg/m ³	V0
Total Carbon	0.206	0.767	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220301008
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		719.6	mmHg	
Organic Carbon Fraction 1	0.002	0.119	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.234	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.318	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.097	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.145	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.054	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.912	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.821	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.053	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.117	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.026	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.117	µg/m ³	V0
Total Carbon	0.206	0.937	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301016
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.2	°C	
Pressure		741.4	mmHg	
Organic Carbon Fraction 1	0.002	0.251	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.425	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.383	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.134	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.051	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.183	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.244	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.376	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.063	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.275	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.286	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.154	µg/m ³	V0
Total Carbon	0.206	1.530	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301108
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.5	°C	
Pressure		729.8	mmHg	
Organic Carbon Fraction 1	0.002	0.711	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.997	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.772	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.517	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.599	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.262	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.596	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.258	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.638	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.501	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.540	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.877	µg/m ³	V0
Total Carbon	0.206	4.135	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220301142
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		3.8	°C	
Pressure		709.8	mmHg	
Organic Carbon Fraction 1	0.002	0.392	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.505	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.649	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.336	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.387	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.147	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.268	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.028	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.281	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.232	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.126	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.365	µg/m ³	V0
Total Carbon	0.206	2.393	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220301143
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.4	°C	
Pressure		693.5	mmHg	
Organic Carbon Fraction 1	0.002	0.412	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.473	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.299	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.138	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.225	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.128	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.546	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.449	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.090	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.135	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.097	µg/m ³	V0
Total Carbon	0.206	1.546	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401218	
Start Date:	2022-04-01 13:35	End Date:	2022-04-01 13:36	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.005	µg/m ³	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.005	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Stony Mountain Loc ID: STMT WBEA ID: 220401239
Start Date: 2022-04-04 10:13 End Date: 2022-04-04 10:14 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.005	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.066	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.173	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.062	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.027	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.333	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.306	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.027	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.027	µg/m ³	V0
Total Carbon	0.206	0.333	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220401259
Start Date: 2022-04-04 12:35 End Date: 2022-04-04 12:36 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.004	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.071	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-04-05 00:00	Loc ID: BGFM	WBEA ID: 220401219
		End Date: 2022-04-06 00:00	Duration: 24.0 hr

Notes

Short sample duration due to power outage. (86340/86400)

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.1	°C	
Pressure		727.2	mmHg	
Organic Carbon Fraction 1	0.002	0.879	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.581	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.695	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.266	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.487	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.348	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.908	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.769	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.183	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.441	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.137	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.276	µg/m ³	V0
Total Carbon	0.206	3.045	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220401240
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.9	°C	
Pressure		690.7	mmHg	
Organic Carbon Fraction 1	0.002	0.108	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.509	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.387	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.173	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.215	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.215	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.391	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.391	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.058	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.157	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	1.391	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220401260
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.8	°C	
Pressure		707.2	mmHg	
Organic Carbon Fraction 1	0.002	0.285	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.395	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.355	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.154	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.210	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.115	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.399	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.304	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.082	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.305	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.177	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.272	µg/m ³	V0
Total Carbon	0.206	1.576	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-04-11 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-04-12 00:00

Set Index: 1
WBEA ID: 220401276
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		717.8	mmHg	
Organic Carbon Fraction 1	0.002	0.126	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.145	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.171	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.034	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.064	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.027	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.540	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.503	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.073	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.009	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.046	µg/m ³	V0
Total Carbon	0.206	0.548	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220401277
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.0	°C	
Pressure		699.9	mmHg	
Organic Carbon Fraction 1	0.002	0.086	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.186	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.292	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.084	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.078	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.051	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.726	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.699	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.009	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.073	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.031	µg/m ³	V0
Total Carbon	0.206	0.730	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220401322
Start Date:	2022-04-11 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-04-12 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.0	°C	
Pressure		740.3	mmHg	
Organic Carbon Fraction 1	0.002	0.121	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.186	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.201	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.050	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.069	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.628	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.559	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.002	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.098	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.031	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.100	µg/m ³	V0
Total Carbon	0.206	0.659	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-04-17 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-04-18 00:00

Set Index: 1
WBEA ID: 220401349
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.4	°C	
Pressure		705.0	mmHg	
Organic Carbon Fraction 1	0.002	0.151	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.271	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.316	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.207	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.197	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.120	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.141	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.063	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.088	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.144	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.035	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.113	µg/m ³	V0
Total Carbon	0.206	1.176	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220401350
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.5	°C	
Pressure		722.2	mmHg	
Organic Carbon Fraction 1	0.002	0.210	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.272	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.303	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.117	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.210	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.089	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.112	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.991	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.089	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.141	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.020	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.141	µg/m ³	V0
Total Carbon	0.206	1.132	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401377
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		0.2	°C	
Pressure		743.1	mmHg	
Organic Carbon Fraction 1	0.002	0.519	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.434	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.459	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.197	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.222	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.018	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.831	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.626	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.169	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.427	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.374	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.579	µg/m ³	V0
Total Carbon	0.206	2.205	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401430
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.0	°C	
Pressure		721.6	mmHg	
Organic Carbon Fraction 1	0.002	0.443	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.380	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.453	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.176	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.291	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.219	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.741	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.670	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.161	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.176	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.046	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.118	µg/m ³	V0
Total Carbon	0.206	1.787	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220401670
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.1	°C	
Pressure		704.5	mmHg	
Organic Carbon Fraction 1	0.002	0.305	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.438	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.505	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.197	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.295	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.259	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.740	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.704	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.078	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.216	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.036	µg/m ³	V0
Total Carbon	0.206	1.740	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220401887
Start Date: 2022-04-23 00:00	End Date: 2022-04-24 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		6.8	°C	
Pressure		741.6	mmHg	
Organic Carbon Fraction 1	0.002	0.549	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.654	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.802	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.453	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.477	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.368	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.934	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.825	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.269	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.542	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.333	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.442	µg/m ³	V0
Total Carbon	0.206	3.268	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220401963
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.8	°C	
Pressure		701.7	mmHg	
Organic Carbon Fraction 1	0.002	0.173	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.358	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.360	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.102	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.110	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.014	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.102	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.006	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.009	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.100	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.096	µg/m ³	V0
Total Carbon	0.206	1.102	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-04-29 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-04-30 00:00

Set Index: 1
WBEA ID: 220401966
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.5	°C	
Pressure		718.6	mmHg	
Organic Carbon Fraction 1	0.002	0.144	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.414	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.448	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.187	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.192	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.006	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.384	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.198	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.068	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.172	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.048	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.234	µg/m ³	V0
Total Carbon	0.206	1.432	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220402028	
Start Date: 2022-04-29 00:00	End Date: 2022-04-30 00:00	Duration: 24.0 hr	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.4	°C	
Pressure		738.7	mmHg	
Organic Carbon Fraction 1	0.002	0.622	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.680	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.573	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.240	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.299	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.133	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.414	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.247	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.170	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.574	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.444	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.611	µg/m ³	V0
Total Carbon	0.206	2.858	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502101	
Start Date:	2022-05-03 15:40	End Date:	2022-05-03 15:41	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	0.094	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.009	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, transmittance	0.191	0.232	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, reflectance	0.191	0.232	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.232	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220502058
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.5	°C	
Pressure		708.7	mmHg	
Organic Carbon Fraction 1	0.002	0.234	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.288	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.520	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.170	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.060	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	1.271	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.060	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	1.271	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.060	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	1.271	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220502102
Start Date:	2022-05-05 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-05-06 00:00	

Notes

Raining during sample collection.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.9	°C	
Pressure		722.7	mmHg	
Organic Carbon Fraction 1	0.002	0.564	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.943	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.593	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.298	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.722	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	3.119	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.368	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	2.765	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.469	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.646	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	0.393	µg/m ³	V0
Elemental carbon,thermal method, reflectance	0.005	0.747	µg/m ³	V0
Total Carbon	0.206	3.512	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220502127
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.0	°C	
Pressure		692.4	mmHg	
Organic Carbon Fraction 1	0.002	0.219	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.541	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.580	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.152	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.131	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	1.622	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.042	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	1.533	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.013	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.118	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	0.089	µg/m ³	V0
Total Carbon	0.206	1.622	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220502194
Start Date: 2022-05-09 13:20 End Date: 2022-05-09 13:21 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.052	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.075	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.013	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, transmittance	0.191	0.235	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, reflectance	0.191	0.235	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.235	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502175
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

Raining during sample deployment.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.4	°C	
Pressure		737.4	mmHg	
Organic Carbon Fraction 1	0.002	0.357	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.472	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.542	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.256	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.151	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	1.777	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.047	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	1.674	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.060	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.237	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	0.147	µg/m ³	V0
Elemental carbon,thermal method, reflectance	0.005	0.250	µg/m ³	V0
Total Carbon	0.206	1.924	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220502195
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.9	°C	
Pressure		717.3	mmHg	
Organic Carbon Fraction 1	0.002	0.371	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.365	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.423	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.218	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.300	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	1.676	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.067	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	1.444	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.221	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.299	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	0.220	µg/m ³	V0
Elemental carbon,thermal method, reflectance	0.005	0.452	µg/m ³	V0
Total Carbon	0.206	1.896	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220502198
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.2	°C	
Pressure		701.6	mmHg	
Organic Carbon Fraction 1	0.002	0.232	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.282	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.322	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.092	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.057	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	0.985	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.057	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	0.985	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.057	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.985	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-05-16 12:08

Samp Use: Field Procedure Blank
Loc ID: STMT
End Date: 2022-05-16 12:09

Set Index: 1
WBEA ID: 220502274
Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	0.164	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.028	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.009	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	0.241	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, reflectance	0.191	0.232	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.009	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	0.009	µg/m ³	V0
Total Carbon	0.206	0.241	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502239
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.2	°C	
Pressure		734.9	mmHg	
Organic Carbon Fraction 1	0.002	0.693	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.670	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.782	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.310	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.287	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	2.742	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.184	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	2.639	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.077	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.335	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	0.125	µg/m ³	V0
Elemental carbon,thermal method, reflectance	0.005	0.228	µg/m ³	V0
Total Carbon	0.206	2.867	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220502276
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.1	°C	
Pressure		699.8	mmHg	
Organic Carbon Fraction 1	0.002	0.242	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.427	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.487	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.165	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.120	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	1.441	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.085	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	1.405	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.012	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.108	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	0.035	µg/m ³	V0
Total Carbon	0.206	1.441	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-05-17 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-05-18 00:00

Set Index: 1
WBEA ID: 220502278
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.5	°C	
Pressure		715.1	mmHg	
Organic Carbon Fraction 1	0.002	0.199	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.415	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.437	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.213	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.142	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	1.404	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.113	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	1.375	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.024	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.117	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	0.029	µg/m ³	V0
Total Carbon	0.206	1.404	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502356	
Start Date:	2022-05-20 09:35	End Date:	2022-05-20 09:36	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.015	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, transmittance	0.191	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method,reflectance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.006	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	0.006	µg/m ³	V0
Elemental carbon,thermal method, reflectance	0.005	0.006	µg/m ³	V0
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502334
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		5.1	°C	
Pressure		716.6	mmHg	
Organic Carbon Fraction 1	0.002	0.212	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.247	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.272	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.160	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.275	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	1.166	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.178	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	1.069	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.091	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.210	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	0.026	µg/m ³	V0
Elemental carbon,thermal method, reflectance	0.005	0.123	µg/m ³	V0
Total Carbon	0.206	1.192	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220502342
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

Sample fell onto the wooden work platform upon retrieval.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.8	°C	
Pressure		700.1	mmHg	
Organic Carbon Fraction 1	0.002	0.221	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.447	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.557	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.209	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.200	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	1.634	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.047	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	1.481	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.040	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.161	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	0.155	µg/m ³	V0
Total Carbon	0.206	1.635	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502351
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.3	°C	
Pressure		736.7	mmHg	
Organic Carbon Fraction 1	0.002	0.378	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.474	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.516	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.157	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.122	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	1.647	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.044	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	1.569	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.004	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.242	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	0.124	µg/m ³	V0
Elemental carbon,thermal method, reflectance	0.005	0.203	µg/m ³	V0
Total Carbon	0.206	1.771	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220502382
Start Date: 2022-05-24 10:05 End Date: 2022-05-24 10:06 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.017	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.070	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.011	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, transmittance	0.191	0.237	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, reflectance	0.191	0.237	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.237	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-05-29 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-05-30 00:00

Set Index: 1
WBEA ID: 220502383
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.8	°C	
Pressure		710.1	mmHg	
Organic Carbon Fraction 1	0.002	0.336	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.475	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.762	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.374	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.160	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	2.107	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.225	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	2.172	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.063	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.296	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	0.199	µg/m ³	V0
Elemental carbon,thermal method, reflectance	0.005	0.134	µg/m ³	V0
Total Carbon	0.206	2.306	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220502385
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.3	°C	
Pressure		694.5	mmHg	
Organic Carbon Fraction 1	0.002	0.179	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.439	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.648	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.213	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.551	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	2.031	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	-8888	µg/m ³	V1
Organic carbon,thermal method, reflectance	0.191	1.479	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.217	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.334	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon,thermal method, reflectance	0.005	0.551	µg/m ³	V0
Total Carbon	0.206	2.031	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220502418
Start Date:	2022-05-29 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-05-30 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.3	°C	
Pressure		730.0	mmHg	
Organic Carbon Fraction 1	0.002	0.512	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.888	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.835	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.256	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.282	µg/m ³	V0
Organic carbon,thermal method, transmittance	0.191	2.773	µg/m ³	V0
Pyrolyzed organic carbon, thermal method,reflectance	0.005	0.138	µg/m ³	V0
Organic carbon,thermal method, reflectance	0.191	2.628	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.160	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.243	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon,thermal method, transmittance	0.005	0.121	µg/m ³	V0
Elemental carbon,thermal method, reflectance	0.005	0.265	µg/m ³	V0
Total Carbon	0.206	2.894	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220602519
Start Date:	2022-05-31 13:20	End Date:	2022-05-31 13:21	Duration:	0.0 hr

Notes

Lab did not receive filter

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220502505
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.9	°C	
Pressure		715.2	mmHg	
Organic Carbon Fraction 1	0.002	0.134	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.527	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.652	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.299	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.354	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.362	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.966	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.974	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.216	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.148	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.009	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	1.976	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220602520
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.0	°C	
Pressure		699.4	mmHg	
Organic Carbon Fraction 1	0.002	0.426	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.484	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.717	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.334	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.352	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.250	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.313	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.210	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.194	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.176	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.018	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.120	µg/m ³	V0
Total Carbon	0.206	2.330	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220602531
Start Date:	2022-06-04 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-06-05 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.3	°C	
Pressure		734.0	mmHg	
Organic Carbon Fraction 1	0.002	0.220	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.716	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.777	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.428	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.439	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.233	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.580	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.374	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.199	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.349	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.109	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.315	µg/m ³	V0
Total Carbon	0.206	2.689	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602637
Start Date:	2022-06-09 12:25	End Date:	2022-06-09 12:26	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.045	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.065	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.018	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.244	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.243	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.002	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.244	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220602586
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.0	°C	
Pressure		693.9	mmHg	
Organic Carbon Fraction 1	0.002	0.273	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.067	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.015	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.573	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.581	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.318	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.509	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.246	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.301	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.364	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.083	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.347	µg/m ³	V0
Total Carbon	0.206	3.592	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220602612
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.1	°C	
Pressure		708.9	mmHg	
Organic Carbon Fraction 1	0.002	0.283	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.593	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.803	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.372	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.414	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.257	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.464	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.307	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.195	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.219	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.157	µg/m ³	V0
Total Carbon	0.206	2.464	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220602638
Start Date:	2022-06-10 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-06-11 00:00	

Notes

None

Parameter	Data			Flag
	MDL	Value	Unit	
Sample Volume		24.0	m ³	
Temperature		16.1	°C	
Pressure		729.0	mmHg	
Organic Carbon Fraction 1	0.002	0.860	µg/m ³	
Organic Carbon Fraction 2	0.049	1.433	µg/m ³	
Organic Carbon Fraction 3	0.147	1.582	µg/m ³	
Organic Carbon Fraction 4	0.005	0.613	µg/m ³	
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.538	µg/m ³	
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.377	µg/m ³	
Organic carbon, thermal method, transmittance	0.191	5.025	µg/m ³	
Organic carbon, thermal method, reflectance	0.191	4.864	µg/m ³	
Elemental Carbon Fraction 1	0.002	0.386	µg/m ³	
Elemental Carbon Fraction 2	0.002	0.325	µg/m ³	
Elemental Carbon Fraction 3	0.002	0.000	µg/m ³	
Elemental carbon, thermal method, transmittance	0.005	0.173	µg/m ³	
Elemental carbon, thermal method, reflectance	0.005	0.334	µg/m ³	
Total Carbon	0.206	5.198	µg/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220602740
Start Date:	2022-06-15 10:55	End Date:	2022-06-15 10:56	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	0.080	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.297	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.035	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.413	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.412	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.413	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602686
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.7	°C	
Pressure		737.5	mmHg	
Organic Carbon Fraction 1	0.002	0.166	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.077	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.555	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.728	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.952	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.659	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.479	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	4.186	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.764	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.559	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.371	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.664	µg/m ³	V0
Total Carbon	0.206	4.849	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220602717
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.1	°C	
Pressure		701.4	mmHg	
Organic Carbon Fraction 1	0.002	0.510	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.064	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.846	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.690	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.975	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.831	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	5.084	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	4.940	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.824	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.370	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.219	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.363	µg/m ³	V0
Total Carbon	0.206	5.303	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 220602741
Start Date: 2022-06-16 00:00	End Date: 2022-06-17 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.7	°C	
Pressure		717.2	mmHg	
Organic Carbon Fraction 1	0.002	0.285	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.654	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.372	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.396	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.433	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.264	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.139	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.970	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.328	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.152	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.046	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.216	µg/m ³	V0
Total Carbon	0.206	3.186	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220602797
Start Date:	2022-06-21 10:00	End Date:	2022-06-21 10:01	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.079	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.065	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.258	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.258	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.258	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602773
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		733.2	mmHg	
Organic Carbon Fraction 1	0.002	0.936	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.335	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.578	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.634	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.588	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.367	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	5.072	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	4.851	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.440	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.773	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.625	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.846	µg/m ³	V0
Total Carbon	0.206	5.696	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220602798
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.3	°C	
Pressure		698.2	mmHg	
Organic Carbon Fraction 1	0.002	0.409	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.537	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.861	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.337	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.476	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.431	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.620	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.574	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.214	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.263	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.046	µg/m ³	V0
Total Carbon	0.206	2.620	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220602800
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		713.0	mmHg	
Organic Carbon Fraction 1	0.002	0.452	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.818	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.647	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.442	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.486	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.368	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.845	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.728	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.402	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.159	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.075	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.193	µg/m ³	V0
Total Carbon	0.206	3.920	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602866
Start Date:	2022-06-23 11:55	End Date:	2022-06-23 11:56	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.032	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.071	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.230	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.043	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.008	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.008	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.384	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.384	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.008	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.384	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602867
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, partisol had power fail and sample period status codes. Resulted in a short sampling duration and low sample volume.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		21.4	m ³	V6
Temperature		18.7	°C	
Pressure		738.8	mmHg	
Organic Carbon Fraction 1	0.002	0.392	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.883	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.105	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.326	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.362	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.308	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.067	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.014	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.201	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.296	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.136	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.189	µg/m ³	V0
Total Carbon	0.206	3.203	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Wapasu		Loc ID: WAPS	WBEA ID: 220602885
Start Date: 2022-06-28 00:00		End Date: 2022-06-29 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.0	°C	
Pressure		718.2	mmHg	
Organic Carbon Fraction 1	0.002	0.524	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.702	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.922	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.423	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.613	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.522	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.184	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.093	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.403	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.272	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.063	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.154	µg/m ³	V0
Total Carbon	0.206	3.247	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 220602901	
Start Date: 2022-06-28 00:00	End Date: 2022-06-29 00:00	Duration: 24.0 hr	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.5	°C	
Pressure		703.8	mmHg	
Organic Carbon Fraction 1	0.002	0.349	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.616	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.957	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.382	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.623	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.439	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.926	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.743	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.304	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.366	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.046	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.230	µg/m ³	V0
Total Carbon	0.206	2.973	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220602940
Start Date: 2022-06-29 09:50 End Date: 2022-06-29 09:51 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.005	µg/m ³	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	0.152	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.043	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.243	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.243	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.243	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220602941
Start Date:	2022-07-04 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-07-05 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.8	°C	
Pressure		740.0	mmHg	
Organic Carbon Fraction 1	0.002	0.481	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.045	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.595	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.630	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.277	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.096	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.027	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.846	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.189	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.527	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.439	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.620	µg/m ³	V0
Total Carbon	0.206	4.466	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-07-04 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-07-05 00:00

Set Index: 1
WBEA ID: 220602939
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.5	°C	
Pressure		719.9	mmHg	
Organic Carbon Fraction 1	0.002	0.536	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.342	µg/m ³	V0
Organic Carbon Fraction 3	0.147	2.509	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.792	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	2.004	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.674	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	7.183	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	6.853	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	2.215	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.564	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.774	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	1.105	µg/m ³	V0
Total Carbon	0.206	7.957	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220602987
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.7	°C	
Pressure		703.8	mmHg	
Organic Carbon Fraction 1	0.002	0.317	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.729	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.394	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.597	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.884	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.760	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.921	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.797	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.759	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.272	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.147	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.271	µg/m ³	V0
Total Carbon	0.206	4.068	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-07-05 12:40

Samp Use: Field Procedure Blank
Loc ID: STMT
End Date: 2022-07-05 12:41

Set Index: 1
WBEA ID: 220703032
Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.008	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.053	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.006	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.003	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220703051
Start Date:	2022-07-10 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-07-11 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		732.6	mmHg	
Organic Carbon Fraction 1	0.002	0.444	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.931	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.185	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.550	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.449	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.144	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.558	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.254	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.209	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.428	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.188	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.493	µg/m ³	V0
Total Carbon	0.206	3.746	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220703037
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.1	°C	
Pressure		712.4	mmHg	
Organic Carbon Fraction 1	0.002	0.070	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.720	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.961	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.545	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.402	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.180	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.698	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.476	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.180	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.375	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.153	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.375	µg/m ³	V0
Total Carbon	0.206	2.851	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703033
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.0	°C	
Pressure		699.1	mmHg	
Organic Carbon Fraction 1	0.002	0.175	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.475	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.962	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.309	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.312	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.274	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.234	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.196	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.219	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.147	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.054	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.091	µg/m ³	V0
Total Carbon	0.206	2.287	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220703131
Start Date: 2022-07-12 12:15 End Date: 2022-07-12 12:16 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.003	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.055	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703132
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Power outage resulted in a short sampling duration.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.3	°C	
Pressure		732.6	mmHg	
Organic Carbon Fraction 1	0.002	0.440	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.135	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.613	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.413	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.361	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.433	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.962	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	4.034	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.315	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.232	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.186	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.113	µg/m ³	V0
Total Carbon	0.206	4.148	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220703118
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

Sample duration and volume were higher than normal. Clock malfunction caused by brief power outage on NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.9	m ³	V6
Temperature		17.9	°C	
Pressure		712.9	mmHg	
Organic Carbon Fraction 1	0.002	0.347	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.786	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.018	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.483	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.479	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.330	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.114	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.965	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.326	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.308	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.154	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.304	µg/m ³	V0
Total Carbon	0.206	3.269	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 220703099	
Start Date: 2022-07-16 00:00	End Date: 2022-07-17 00:00	Duration: 24.0 hr	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		21.2	°C	
Pressure		698.3	mmHg	
Organic Carbon Fraction 1	0.002	0.363	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.696	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.305	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.500	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.766	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.578	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.629	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.441	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.462	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.416	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.113	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.300	µg/m ³	V0
Total Carbon	0.206	3.742	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220703182
Start Date: 2022-07-19 09:53 End Date: 2022-07-19 09:54 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.024	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.079	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.027	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.039	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.305	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.266	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.003	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.036	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.039	µg/m ³	V0
Total Carbon	0.206	0.305	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220703218
Start Date:	2022-07-22 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-07-23 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.6	°C	
Pressure		736.7	mmHg	
Organic Carbon Fraction 1	0.002	8.256	µg/m ³	V4
Organic Carbon Fraction 2	0.049	19.143	µg/m ³	V4
Organic Carbon Fraction 3	0.147	32.179	µg/m ³	V4
Organic Carbon Fraction 4	0.005	10.477	µg/m ³	V4
Pyrolyzed organic carbon, thermal method, transmittance	0.005	5.458	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.589	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	75.514	µg/m ³	V4
Organic carbon, thermal method, reflectance	0.191	70.645	µg/m ³	V4
Elemental Carbon Fraction 1	0.002	1.947	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	8.517	µg/m ³	V4
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	5.006	µg/m ³	V4
Elemental carbon, thermal method, reflectance	0.005	9.875	µg/m ³	V4
Total Carbon	0.206	80.520	µg/m ³	V4



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID: 220703185
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.7	°C	
Pressure		716.0	mmHg	
Organic Carbon Fraction 1	0.002	0.182	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.519	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.828	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.213	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.140	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.103	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.881	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.844	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.077	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.159	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.095	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.133	µg/m ³	V0
Total Carbon	0.206	1.976	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220703184
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.7	°C	
Pressure		700.4	mmHg	
Organic Carbon Fraction 1	0.002	0.145	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.402	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.591	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.243	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.349	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.359	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.729	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.739	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.146	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.256	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.052	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.043	µg/m ³	V0
Total Carbon	0.206	1.782	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-07-26 12:10

Samp Use: Field Procedure Blank
Loc ID: STMT
End Date: 2022-07-26 12:11

Set Index: 1
WBEA ID: 220703337
Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.008	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.080	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.011	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.240	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.238	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.002	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.240	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220703315
Start Date:	2022-07-28 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-07-29 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.7	°C	
Pressure		734.2	mmHg	
Organic Carbon Fraction 1	0.002	0.628	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.679	µg/m ³	V0
Organic Carbon Fraction 3	0.147	2.474	µg/m ³	V0
Organic Carbon Fraction 4	0.005	1.097	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.332	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.183	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	7.209	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	7.060	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.332	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.295	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.295	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.444	µg/m ³	V0
Total Carbon	0.206	7.504	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220703353
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		23.0	°C	
Pressure		714.8	mmHg	
Organic Carbon Fraction 1	0.002	0.458	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.466	µg/m ³	V0
Organic Carbon Fraction 3	0.147	3.093	µg/m ³	V0
Organic Carbon Fraction 4	0.005	1.132	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.904	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.557	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	7.054	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	6.706	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.745	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.400	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.240	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.587	µg/m ³	V0
Total Carbon	0.206	7.294	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220703338
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		24.2	°C	
Pressure		700.8	mmHg	
Organic Carbon Fraction 1	0.002	0.422	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.978	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.820	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.942	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.041	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.962	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	5.204	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	5.124	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.747	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.494	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.200	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.280	µg/m ³	V0
Total Carbon	0.206	5.404	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Field Procedure Blank
Start Date:	2022-07-29 11:10	Loc ID:	BGFM
		End Date:	2022-07-29 11:11
		Set Index:	1
		WBEA ID:	220703396
		Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.004	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.077	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.194	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.038	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.023	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.335	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.312	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.002	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.022	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.023	µg/m ³	V0
Total Carbon	0.206	0.335	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703397
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.2	°C	
Pressure		733.0	mmHg	
Organic Carbon Fraction 1	0.002	0.499	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.100	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.190	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.734	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.112	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.922	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.634	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	4.445	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.821	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.609	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.317	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.507	µg/m ³	V0
Total Carbon	0.206	4.951	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220803431
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.7	°C	
Pressure		712.7	mmHg	
Organic Carbon Fraction 1	0.002	0.171	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.371	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.905	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.265	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.107	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.127	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.819	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.839	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.031	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.097	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.020	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	1.839	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220803437
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.0	°C	
Pressure		693.9	mmHg	
Organic Carbon Fraction 1	0.002	0.111	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.651	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.001	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.442	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.305	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.284	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.509	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.488	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.079	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.226	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.021	µg/m ³	V0
Total Carbon	0.206	2.509	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220803505
Start Date: 2022-08-08 10:55 End Date: 2022-08-08 10:56 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.015	µg/m ³	V0
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	0.178	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.026	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.268	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.267	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.268	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 220803529	
Start Date: 2022-08-09 00:00	End Date: 2022-08-10 00:00	Duration: 24.0 hr	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.1	°C	
Pressure		740.8	mmHg	
Organic Carbon Fraction 1	0.002	0.437	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.792	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.427	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.530	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.550	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.470	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.736	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.656	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.155	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.508	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.113	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.193	µg/m ³	V0
Total Carbon	0.206	3.849	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220803504
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.3	°C	
Pressure		720.4	mmHg	
Organic Carbon Fraction 1	0.002	0.243	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.559	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.738	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.369	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.125	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.116	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.034	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.025	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.119	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.245	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.239	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.248	µg/m ³	V0
Total Carbon	0.206	2.273	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220803503
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.7	°C	
Pressure		705.6	mmHg	
Organic Carbon Fraction 1	0.002	0.180	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.372	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.860	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.353	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.299	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.290	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.064	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.055	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.163	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.136	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.009	µg/m ³	V0
Total Carbon	0.206	2.064	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-08-11 08:26

Samp Use: Field Procedure Blank
Loc ID: STMT
End Date: 2022-08-11 08:27

Set Index: 1
WBEA ID: 220803539
Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	0.181	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.035	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.264	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.263	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.264	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220803573
Start Date:	2022-08-15 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-08-16 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		22.7	°C	
Pressure		734.4	mmHg	
Organic Carbon Fraction 1	0.002	0.180	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.050	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.212	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.639	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.378	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.343	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.459	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.424	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.158	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.297	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.076	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.111	µg/m ³	V0
Total Carbon	0.206	3.535	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220803550
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		20.4	°C	
Pressure		713.5	mmHg	
Organic Carbon Fraction 1	0.002	0.167	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.682	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.905	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.402	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.483	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.260	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.639	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.416	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.262	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.248	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.027	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.251	µg/m ³	V0
Total Carbon	0.206	2.666	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220803538
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		701.4	mmHg	
Organic Carbon Fraction 1	0.002	0.205	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.392	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.855	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.338	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.184	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.131	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.973	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.920	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.073	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.153	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.042	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.094	µg/m ³	V0
Total Carbon	0.206	2.015	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220803683
Start Date: 2022-08-18 14:25 End Date: 2022-08-18 14:26 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.023	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.073	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.014	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.206	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.206	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220803684
Start Date:	2022-08-21 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-08-22 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		19.4	°C	
Pressure		741.3	mmHg	
Organic Carbon Fraction 1	0.002	0.924	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.952	µg/m ³	V0
Organic Carbon Fraction 3	0.147	3.474	µg/m ³	V0
Organic Carbon Fraction 4	0.005	1.257	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.967	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.451	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	9.575	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	9.059	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.601	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	1.021	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.654	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	1.171	µg/m ³	V0
Total Carbon	0.206	10.230	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-08-21 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-08-22 00:00

Set Index: 1
WBEA ID: 220803650
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		15.1	°C	
Pressure		719.7	mmHg	
Organic Carbon Fraction 1	0.002	0.488	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.514	µg/m ³	V0
Organic Carbon Fraction 3	0.147	2.828	µg/m ³	V0
Organic Carbon Fraction 4	0.005	1.173	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.823	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.419	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	7.826	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	7.423	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.581	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.531	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.289	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.693	µg/m ³	V0
Total Carbon	0.206	8.115	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220803621
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.6	°C	
Pressure		705.0	mmHg	
Organic Carbon Fraction 1	0.002	0.973	µg/m ³	V0
Organic Carbon Fraction 2	0.049	3.176	µg/m ³	V0
Organic Carbon Fraction 3	0.147	5.054	µg/m ³	V0
Organic Carbon Fraction 4	0.005	1.499	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	3.267	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	2.817	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	13.968	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	13.518	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	3.337	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.468	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.538	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.987	µg/m ³	V0
Total Carbon	0.206	14.506	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC	Samp Use: Field Procedure Blank	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 220804198
Start Date: 2022-08-24 10:35	End Date: 2022-08-24 10:36	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.004	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.075	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.008	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.224	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.224	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.004	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.228	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220804230
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.0	°C	
Pressure		723.8	mmHg	
Organic Carbon Fraction 1	0.002	0.305	µg/m ³	V0
Organic Carbon Fraction 2	0.049	2.387	µg/m ³	V0
Organic Carbon Fraction 3	0.147	4.012	µg/m ³	V0
Organic Carbon Fraction 4	0.005	1.303	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.902	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.464	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	9.908	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	9.470	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.480	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.756	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.334	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.772	µg/m ³	V0
Total Carbon	0.206	10.242	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220804199
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.7	°C	
Pressure		702.7	mmHg	
Organic Carbon Fraction 1	0.002	0.692	µg/m ³	V0
Organic Carbon Fraction 2	0.049	2.824	µg/m ³	V0
Organic Carbon Fraction 3	0.147	4.829	µg/m ³	V0
Organic Carbon Fraction 4	0.005	2.361	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	2.428	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.832	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	13.134	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	12.538	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.537	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	1.210	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	0.007	µg/m ³	V0
Elemental carbon, thermal method, transmittance	0.005	0.325	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.921	µg/m ³	V0
Total Carbon	0.206	13.459	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 220804146
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		18.5	°C	
Pressure		689.0	mmHg	
Organic Carbon Fraction 1	0.002	0.378	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.728	µg/m ³	V0
Organic Carbon Fraction 3	0.147	2.712	µg/m ³	V0
Organic Carbon Fraction 4	0.005	1.362	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.943	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.262	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	8.122	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	7.441	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.137	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	1.152	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.346	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	1.027	µg/m ³	V0
Total Carbon	0.206	8.468	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Stony Mountain Loc ID: STMT WBEA ID: 220804251
Start Date: 2022-08-30 10:50 End Date: 2022-08-30 10:51 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.061	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.093	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.183	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.012	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.348	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.348	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.004	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.353	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220804252
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.6	°C	
Pressure		700.8	mmHg	
Organic Carbon Fraction 1	0.002	0.251	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.650	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.084	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.320	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.594	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.409	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.900	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.714	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.336	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.339	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.081	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.266	µg/m ³	V0
Total Carbon	0.206	2.980	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220804287
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		17.1	°C	
Pressure		713.0	mmHg	
Organic Carbon Fraction 1	0.002	0.267	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.652	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.102	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.497	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.587	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.502	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.105	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.020	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.395	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.422	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.230	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.314	µg/m ³	V0
Total Carbon	0.206	3.334	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904314
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		16.8	°C	
Pressure		733.9	mmHg	
Organic Carbon Fraction 1	0.002	0.297	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.776	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.264	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.282	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.500	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.300	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.118	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.918	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.173	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.678	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.350	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.551	µg/m ³	V0
Total Carbon	0.206	3.469	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904392	
Start Date:	2022-09-07 08:00	End Date:	2022-09-07 08:01	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.023	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.067	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.060	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.273	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.273	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.005	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.074	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.079	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.079	µg/m ³	V0
Total Carbon	0.206	0.351	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-09-08 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-09-09 00:00

Set Index: 1
WBEA ID: 220904347
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.8	°C	
Pressure		701.5	mmHg	
Organic Carbon Fraction 1	0.002	0.005	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.296	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.414	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.143	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.204	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.142	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.061	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.000	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.042	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.162	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.062	µg/m ³	V0
Total Carbon	0.206	1.061	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220904352
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.8	°C	
Pressure		714.0	mmHg	
Organic Carbon Fraction 1	0.002	0.047	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.412	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.552	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.140	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.120	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	1.269	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.150	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.269	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.149	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.269	µg/m ³	V0
Total Carbon	0.206	1.418	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904393
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		736.1	mmHg	
Organic Carbon Fraction 1	0.002	0.117	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.454	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.456	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.189	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.180	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.167	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.396	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.383	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.068	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.112	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.013	µg/m ³	V0
Total Carbon	0.206	1.396	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220904497
Start Date: 2022-09-13 09:45 End Date: 2022-09-13 09:46 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.032	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.053	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.196	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.196	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220904455
Start Date:	2022-09-14 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-09-15 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.9	°C	
Pressure		735.4	mmHg	
Organic Carbon Fraction 1	0.002	0.605	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.869	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.201	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.595	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.393	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.338	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.664	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.609	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.340	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.349	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.295	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.351	µg/m ³	V0
Total Carbon	0.206	3.960	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 220904474
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.4	°C	
Pressure		701.0	mmHg	
Organic Carbon Fraction 1	0.002	0.181	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.700	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.305	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.544	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.683	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.432	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.412	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.160	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.380	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.404	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.100	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.352	µg/m ³	V0
Total Carbon	0.206	3.512	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: ECOC	Deployment Information	Samp Use: Exposure	Set Index: 1
Location: Wapasu		Loc ID: WAPS	WBEA ID: 220904498
Start Date: 2022-09-14 00:00		End Date: 2022-09-15 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.3	°C	
Pressure		714.1	mmHg	
Organic Carbon Fraction 1	0.002	0.383	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.795	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.731	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.729	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.921	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.867	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.559	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	4.504	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.551	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.620	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.250	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.304	µg/m ³	V0
Total Carbon	0.206	4.808	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Stony Mountain Loc ID: STMT WBEA ID: 220904550
Start Date: 2022-09-19 09:20 End Date: 2022-09-19 09:21 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	0.064	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220904510
Start Date:	2022-09-20 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-09-21 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.9	°C	
Pressure		740.6	mmHg	
Organic Carbon Fraction 1	0.002	0.206	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.351	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.680	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.154	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.205	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	1.596	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.391	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.080	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.273	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.148	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.352	µg/m ³	V0
Total Carbon	0.206	1.744	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220904525
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.7	°C	
Pressure		718.5	mmHg	
Organic Carbon Fraction 1	0.002	0.159	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.306	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.602	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.151	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.142	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	1.359	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.217	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.059	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.180	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.097	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.239	µg/m ³	V0
Total Carbon	0.206	1.457	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-09-20 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-09-21 00:00

Set Index: 1
WBEA ID: 220904552
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		8.2	°C	
Pressure		705.2	mmHg	
Organic Carbon Fraction 1	0.002	0.018	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.360	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.536	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.174	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.131	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.126	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.219	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.214	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.043	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.089	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.005	µg/m ³	V0
Total Carbon	0.206	1.219	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220904582
Start Date: 2022-09-21 08:10 End Date: 2022-09-21 08:11 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.007	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.056	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220904583
Start Date:	2022-09-26 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-09-27 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.2	°C	
Pressure		739.7	mmHg	
Organic Carbon Fraction 1	0.002	0.562	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.740	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.890	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.431	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.670	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.410	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.293	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.033	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.707	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.495	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.532	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.792	µg/m ³	V0
Total Carbon	0.206	3.825	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220904615
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.0	°C	
Pressure		718.2	mmHg	
Organic Carbon Fraction 1	0.002	0.213	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.460	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.896	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.254	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.405	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.318	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.229	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.142	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.135	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.462	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.192	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.278	µg/m ³	V0
Total Carbon	0.206	2.421	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220904663
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.1	°C	
Pressure		704.9	mmHg	
Organic Carbon Fraction 1	0.002	0.242	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.517	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.759	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.328	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.435	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.370	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.282	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.217	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.183	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.251	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.065	µg/m ³	V0
Total Carbon	0.206	2.282	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 220904718
Start Date: 2022-09-28 09:25 End Date: 2022-09-28 09:26 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.003	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.063	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.174	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.032	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.271	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.271	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.006	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.006	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.006	µg/m ³	V0
Total Carbon	0.206	0.278	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220904695
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.7	°C	
Pressure		702.3	mmHg	
Organic Carbon Fraction 1	0.002	0.164	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.496	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.861	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.401	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.543	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.386	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.464	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.308	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.232	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.314	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.160	µg/m ³	V0
Total Carbon	0.206	2.468	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904719
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.8	°C	
Pressure		714.4	mmHg	
Organic Carbon Fraction 1	0.002	0.241	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.578	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.881	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.267	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.392	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.341	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.358	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.307	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.348	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.211	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.166	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.217	µg/m ³	V0
Total Carbon	0.206	2.524	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904749
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		13.9	°C	
Pressure		736.0	mmHg	
Organic Carbon Fraction 1	0.002	0.125	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.833	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.377	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.563	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.697	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.567	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.595	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.465	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.531	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.246	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.079	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.210	µg/m ³	V0
Total Carbon	0.206	3.674	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-10-04 11:15

Samp Use: Field Procedure Blank
Loc ID: STMT
End Date: 2022-10-04 11:16

Set Index: 1
WBEA ID: 221004798
Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.037	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.074	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.006	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.201	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.201	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004799
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		14.7	°C	
Pressure		705.1	mmHg	
Organic Carbon Fraction 1	0.002	0.444	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.075	µg/m ³	V0
Organic Carbon Fraction 3	0.147	2.162	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.664	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.740	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.299	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	6.086	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	5.644	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.485	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.478	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.222	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.664	µg/m ³	V0
Total Carbon	0.206	6.308	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	221004833
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		9.4	°C	
Pressure		718.3	mmHg	
Organic Carbon Fraction 1	0.002	0.355	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.844	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.461	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.697	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.404	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	1.058	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.761	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	4.414	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.210	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.537	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.342	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.689	µg/m ³	V0
Total Carbon	0.206	5.103	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004862
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.4	°C	
Pressure		739.9	mmHg	
Organic Carbon Fraction 1	0.002	0.679	µg/m ³	V0
Organic Carbon Fraction 2	0.049	1.944	µg/m ³	V0
Organic Carbon Fraction 3	0.147	2.872	µg/m ³	V0
Organic Carbon Fraction 4	0.005	1.799	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	2.904	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	2.282	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	10.197	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	9.575	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	2.916	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	1.013	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	1.025	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	1.647	µg/m ³	V0
Total Carbon	0.206	11.223	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004939	
Start Date:	2022-10-13 13:00	End Date:	2022-10-13 13:01	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.030	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.065	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.011	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.219	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.219	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.013	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.013	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.013	µg/m ³	V0
Total Carbon	0.206	0.232	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221004871
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		7.0	°C	
Pressure		699.2	mmHg	
Organic Carbon Fraction 1	0.002	0.340	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.703	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.322	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.631	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.050	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.627	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.045	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.623	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.840	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.502	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.292	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.714	µg/m ³	V0
Total Carbon	0.206	4.337	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	221004910
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		4.0	°C	
Pressure		713.3	mmHg	
Organic Carbon Fraction 1	0.002	0.127	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.434	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.973	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.321	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.376	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.261	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.231	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.115	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.262	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.217	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.103	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.219	µg/m ³	V0
Total Carbon	0.206	2.333	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221004940
Start Date:	2022-10-14 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-10-15 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.4	°C	
Pressure		736.0	mmHg	
Organic Carbon Fraction 1	0.002	0.404	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.854	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.437	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.632	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.036	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.778	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.364	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	4.106	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.732	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.692	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.387	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.645	µg/m ³	V0
Total Carbon	0.206	4.751	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 221005024
Start Date: 2022-10-19 11:20 End Date: 2022-10-19 11:21 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	0.061	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004983
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		12.0	°C	
Pressure		726.7	mmHg	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221004998
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		11.3	°C	
Pressure		693.2	mmHg	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	221005025
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		10.9	°C	
Pressure		704.9	mmHg	
Organic Carbon Fraction 1	0.002	0.205	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.505	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.895	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.434	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.588	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.342	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.627	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.381	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.426	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.302	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.140	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.386	µg/m ³	V0
Total Carbon	0.206	2.767	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC	Samp Use: Field Procedure Blank	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 221005211
Start Date: 2022-10-25 09:07	End Date: 2022-10-25 09:08	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.010	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.079	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.185	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.048	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.022	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.344	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.322	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.022	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.022	µg/m ³	V0
Total Carbon	0.206	0.344	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005125
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.1	°C	
Pressure		726.6	mmHg	
Organic Carbon Fraction 1	0.002	0.218	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.551	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.648	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.256	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.371	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.185	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.045	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.858	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.156	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.309	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.094	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.280	µg/m ³	V0
Total Carbon	0.206	2.139	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221005212
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

Sample was dropped onto wooden platform.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.0	°C	
Pressure		692.0	mmHg	
Organic Carbon Fraction 1	0.002	0.015	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.338	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.416	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.217	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.296	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.234	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.281	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.219	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.134	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.245	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.084	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.145	µg/m ³	V0
Total Carbon	0.206	1.365	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-10-27 00:00

Set Index: 1
WBEA ID: 221005219
Duration: 24.0 hr

Notes

None

Data

Parameter

MDL	Value	Unit	Flag
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Sample Volume	24.0	m ³	V0
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Temperature	1.1	°C	
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Pressure	704.4	mmHg	
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Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005260	
Start Date:	2022-10-27 11:05	End Date:	2022-10-27 11:06	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	0.152	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.055	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.059	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.307	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.248	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.060	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.060	µg/m ³	V0
Total Carbon	0.206	0.308	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-11-01 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-11-02 00:00

Set Index: 1
WBEA ID: 221005243
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.6	°C	
Pressure		711.8	mmHg	
Organic Carbon Fraction 1	0.002	0.107	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.264	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.521	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.190	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.332	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.343	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.413	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.424	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.130	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.229	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.026	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.016	µg/m ³	V0
Total Carbon	0.206	1.440	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-11-01 00:00	Loc ID: BGFM	WBEA ID: 221005255
		End Date: 2022-11-02 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-0.5	°C	
Pressure		734.7	mmHg	
Organic Carbon Fraction 1	0.002	0.280	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.472	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.615	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.177	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.221	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.092	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.765	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.637	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.075	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.522	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.376	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.504	µg/m ³	V0
Total Carbon	0.206	2.141	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	ECOC	Samp Use:	Exposure	Set Index: 1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID: 221005281
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration: 24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-1.4	°C	
Pressure		697.2	mmHg	
Organic Carbon Fraction 1	0.002	0.104	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.246	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.464	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.227	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.223	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.218	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.264	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.259	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.068	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.174	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.019	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.024	µg/m ³	V0
Total Carbon	0.206	1.283	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 221105406
Start Date: 2022-11-02 17:45 End Date: 2022-11-02 17:46 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	0.055	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.154	µg/m ³	V0
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.213	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.213	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.213	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221105321
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-17.0	°C	
Pressure		714.1	mmHg	
Organic Carbon Fraction 1	0.002	0.066	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.261	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.263	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.072	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.140	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.038	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.802	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.699	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.060	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.089	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.010	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.112	µg/m ³	V0
Total Carbon	0.206	0.812	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221105369
Start Date:	2022-11-07 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-11-08 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		756.1	mmHg	
Organic Carbon Fraction 1	0.002	0.173	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.275	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.284	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.091	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.112	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.934	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.822	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.011	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.208	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.108	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.219	µg/m ³	V0
Total Carbon	0.206	1.042	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	221105407
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		730.8	mmHg	
Organic Carbon Fraction 1	0.002	0.092	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.108	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.194	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.061	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.032	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.486	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.454	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.032	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.080	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.080	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.112	µg/m ³	V0
Total Carbon	0.206	0.567	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-11-09 10:12

Samp Use: Field Procedure Blank
Loc ID: STMT
End Date: 2022-11-09 10:13

Set Index: 1
WBEA ID: 221105476
Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.017	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.086	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.154	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.009	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.011	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.276	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.266	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.011	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.011	µg/m ³	V0
Total Carbon	0.206	0.276	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-11-13 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-11-14 00:00

Set Index: 1
WBEA ID: 221105426
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.3	°C	
Pressure		715.1	mmHg	
Organic Carbon Fraction 1	0.002	0.222	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.502	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.793	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.566	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.115	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.751	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.198	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.833	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.045	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.350	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.280	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.645	µg/m ³	V0
Total Carbon	0.206	3.478	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 221105444
Start Date: 2022-11-13 00:00	End Date: 2022-11-14 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-3.3	°C	
Pressure		738.1	mmHg	
Organic Carbon Fraction 1	0.002	0.321	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.988	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.305	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.776	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.248	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.889	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.637	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	4.278	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.396	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.376	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.525	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.884	µg/m ³	V0
Total Carbon	0.206	5.162	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221105477
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-2.6	°C	
Pressure		702.5	mmHg	
Organic Carbon Fraction 1	0.002	0.165	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.380	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.778	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.456	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.507	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.360	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.285	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.139	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.522	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.255	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.270	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.417	µg/m ³	V0
Total Carbon	0.206	2.555	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Field Procedure Blank
Start Date:	2022-11-16 10:45	Loc ID:	BGFM
		End Date:	2022-11-16 10:46
		Set Index:	1
		WBEA ID:	221105550
		Duration:	0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	0.088	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.476	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.201	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.098	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.863	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.765	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.023	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.076	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.098	µg/m ³	V0
Total Carbon	0.206	0.863	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-11-19 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-11-20 00:00

Set Index: 1
WBEA ID: 221105507
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.6	°C	
Pressure		711.8	mmHg	
Organic Carbon Fraction 1	0.002	0.178	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.465	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.644	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.429	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.717	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.464	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.432	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.179	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.796	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.258	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.337	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.590	µg/m ³	V0
Total Carbon	0.206	2.769	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105551
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-8.2	°C	
Pressure		735.3	mmHg	
Organic Carbon Fraction 1	0.002	0.504	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.741	µg/m ³	V0
Organic Carbon Fraction 3	0.147	1.191	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.698	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.995	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.786	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.129	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.920	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.420	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.278	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.703	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.912	µg/m ³	V0
Total Carbon	0.206	4.832	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221105578
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-6.4	°C	
Pressure		699.3	mmHg	
Organic Carbon Fraction 1	0.002	0.108	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.335	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.735	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.366	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.481	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.453	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.025	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.997	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.481	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.112	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.112	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.140	µg/m ³	V0
Total Carbon	0.206	2.136	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 221105604
Start Date: 2022-11-22 12:40 End Date: 2022-11-22 12:41 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.056	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.020	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.249	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.229	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.004	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.016	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.020	µg/m ³	V0
Total Carbon	0.206	0.249	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-11-26 00:00

Set Index: 1
WBEA ID: 221105606
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		1.9	°C	
Pressure		704.6	mmHg	
Organic Carbon Fraction 1	0.002	0.166	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.394	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.463	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.263	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.308	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	1.594	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.287	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.179	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.289	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.161	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.469	µg/m ³	V0
Total Carbon	0.206	1.755	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221105608
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.4	°C	
Pressure		692.3	mmHg	
Organic Carbon Fraction 1	0.002	0.078	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.183	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.456	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.140	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.114	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.972	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.857	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.069	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.045	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.114	µg/m ³	V0
Total Carbon	0.206	0.972	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC	Samp Use: Exposure	Set Index: 1
Location: Bertha Ganter - Fort McKay	Loc ID: BGFM	WBEA ID: 221105669
Start Date: 2022-11-25 00:00	End Date: 2022-11-26 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		2.5	°C	
Pressure		725.4	mmHg	
Organic Carbon Fraction 1	0.002	0.235	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.259	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.520	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.171	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.128	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.072	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.313	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.258	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.090	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.098	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.060	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.115	µg/m ³	V0
Total Carbon	0.206	1.373	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Stony Mountain Loc ID: STMT WBEA ID: 221105759
Start Date: 2022-11-29 15:05 End Date: 2022-11-29 15:06 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	-8888	µg/m ³	V1
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.126	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.237	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	0.126	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	0.126	µg/m ³	V0
Total Carbon	0.206	0.237	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	221105710
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		714.6	mmHg	
Organic Carbon Fraction 1	0.002	0.023	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.115	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.020	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.304	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.304	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.304	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221105730
Start Date:	2022-12-01 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-12-02 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		738.6	mmHg	
Organic Carbon Fraction 1	0.002	0.387	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.562	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.514	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.267	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.486	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.208	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.216	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.938	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.357	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.572	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.442	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.721	µg/m ³	V0
Total Carbon	0.206	2.658	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-12-02 00:00

Set Index: 1
WBEA ID: 221105760
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		698.9	mmHg	
Organic Carbon Fraction 1	0.002	0.094	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.146	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.275	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.123	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.276	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.156	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.914	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.794	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.100	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.186	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.010	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.130	µg/m ³	V0
Total Carbon	0.206	0.924	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 221205878
Start Date: 2022-12-06 16:00 End Date: 2022-12-06 16:01 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.003	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.063	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.007	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205848
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-19.0	°C	
Pressure		694.9	mmHg	
Organic Carbon Fraction 1	0.002	0.092	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.249	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.469	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.242	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.404	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.328	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.456	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.380	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.370	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.139	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.105	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.181	µg/m ³	V0
Total Carbon	0.206	1.562	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205862
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-23.0	°C	
Pressure		710.1	mmHg	
Organic Carbon Fraction 1	0.002	0.179	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.240	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.346	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.166	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.198	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.086	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.129	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.017	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.182	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.235	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.219	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.330	µg/m ³	V0
Total Carbon	0.206	1.347	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205879
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		734.0	mmHg	
Organic Carbon Fraction 1	0.002	0.295	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.454	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.703	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.288	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.420	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.306	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.161	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.047	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.472	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.271	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.323	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.437	µg/m ³	V0
Total Carbon	0.206	2.484	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 221205894
Start Date: 2022-12-08 11:00 End Date: 2022-12-08 11:01 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.002	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.083	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.222	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.222	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	0.222	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	221205895
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		714.3	mmHg	
Organic Carbon Fraction 1	0.002	0.205	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.411	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.808	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.469	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.642	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.519	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.534	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.410	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.661	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.104	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.122	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.246	µg/m ³	V0
Total Carbon	0.206	2.656	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221205900
Start Date:	2022-12-13 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-12-14 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-11.0	°C	
Pressure		737.2	mmHg	
Organic Carbon Fraction 1	0.002	0.341	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.837	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.923	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.747	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.180	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.877	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	4.028	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.725	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.367	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.248	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.435	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.738	µg/m ³	V0
Total Carbon	0.206	4.463	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221205944
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-12.0	°C	
Pressure		695.5	mmHg	
Organic Carbon Fraction 1	0.002	0.155	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.386	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.825	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.532	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.728	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.628	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.625	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	2.526	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.735	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.096	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.103	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.203	µg/m ³	V0
Total Carbon	0.206	2.728	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-12-19 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-12-20 00:00

Set Index: 1
WBEA ID: 221205965
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-26.0	°C	
Pressure		732.3	mmHg	
Organic Carbon Fraction 1	0.002	0.015	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.185	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.403	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.221	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.103	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.059	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.927	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.883	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.121	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.092	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.110	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.154	µg/m ³	V0
Total Carbon	0.206	1.037	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221205988
Start Date:	2022-12-19 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-12-20 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-25.0	°C	
Pressure		756.9	mmHg	
Organic Carbon Fraction 1	0.002	0.442	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.467	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.345	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.160	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.082	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.030	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	1.496	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.444	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.116	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.387	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.421	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.474	µg/m ³	V0
Total Carbon	0.206	1.917	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221206043
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		708.6	mmHg	
Organic Carbon Fraction 1	0.002	0.049	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.072	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.211	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.133	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.007	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.471	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.466	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.017	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.010	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.015	µg/m ³	V0
Total Carbon	0.206	0.481	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC	Samp Use: Field Procedure Blank	Set Index: 1
Location: Stony Mountain	Loc ID: STMT	WBEA ID: 221206071
Start Date: 2022-12-20 14:20	End Date: 2022-12-20 14:21	Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	0.079	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206115	
Start Date:	2022-12-22 13:50	End Date:	2022-12-22 13:51	Duration:	0.0 hr	

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	0.026	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.060	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.010	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	0.006	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.016	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.023	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.023	µg/m ³	V0
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Stony Mountain
Start Date: 2022-12-25 00:00

Samp Use: Exposure
Loc ID: STMT
End Date: 2022-12-26 00:00

Set Index: 1
WBEA ID: 221206072
Duration: 24.0 hr

Notes

Flurries in the area during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-16.0	°C	
Pressure		698.7	mmHg	
Organic Carbon Fraction 1	0.002	0.084	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.166	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.196	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.061	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.046	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.006	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	0.552	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.512	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.012	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.071	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.037	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.078	µg/m ³	V0
Total Carbon	0.206	0.589	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC
Location: Wapasu
Start Date: 2022-12-25 00:00

Samp Use: Exposure
Loc ID: WAPS
End Date: 2022-12-26 00:00

Set Index: 1
WBEA ID: 221206090
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		720.5	mmHg	
Organic Carbon Fraction 1	0.002	0.152	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.244	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.337	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.102	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.071	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	0.906	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	0.835	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.071	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.135	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.135	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.206	µg/m ³	V0
Total Carbon	0.206	1.041	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221206116
Start Date:	2022-12-25 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-12-26 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-24.0	°C	
Pressure		744.7	mmHg	
Organic Carbon Fraction 1	0.002	0.459	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.571	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.559	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.333	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.191	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.058	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.113	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.980	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.347	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.465	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.621	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.754	µg/m ³	V0
Total Carbon	0.206	2.734	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: ECOC Samp Use: Field Procedure Blank Set Index: 1
Location: Wapasu Loc ID: WAPS WBEA ID: 221206169
Start Date: 2022-12-28 11:00 End Date: 2022-12-28 11:01 Duration: 0.0 hr

Notes

Field Flag: 'B', Field Blank.
Analysis Flag: 'b1', Field/-dynamic blank.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Organic Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Organic Carbon Fraction 2	0.049	0.053	µg/m ³	V0
Organic Carbon Fraction 3	0.147	-8888	µg/m ³	V1
Organic Carbon Fraction 4	0.005	0.005	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Pyrolyzed organic carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Organic carbon, thermal method, transmittance	0.191	-8888	µg/m ³	V1
Organic carbon, thermal method, reflectance	0.191	-8888	µg/m ³	V1
Elemental Carbon Fraction 1	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 2	0.002	-8888	µg/m ³	V1
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	-8888	µg/m ³	V1
Elemental carbon, thermal method, reflectance	0.005	-8888	µg/m ³	V1
Total Carbon	0.206	-8888	µg/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221206150
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-7.5	°C	
Pressure		685.9	mmHg	
Organic Carbon Fraction 1	0.002	0.310	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.647	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.932	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.748	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.237	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.942	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.875	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.579	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.919	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.448	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.130	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.425	µg/m ³	V0
Total Carbon	0.206	4.005	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	ECOC	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	221206170
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-9.3	°C	
Pressure		705.4	mmHg	
Organic Carbon Fraction 1	0.002	0.297	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.358	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.516	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.369	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	0.560	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.377	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	2.100	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	1.917	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	0.471	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.189	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.100	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.283	µg/m ³	V0
Total Carbon	0.206	2.200	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	ECOC	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221206191
Start Date:	2022-12-31 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2023-01-01 00:00	

Notes

None

Parameter	Data			
	MDL	Value	Unit	Flag
Sample Volume		24.0	m ³	V0
Temperature		-10.0	°C	
Pressure		727.8	mmHg	
Organic Carbon Fraction 1	0.002	0.547	µg/m ³	V0
Organic Carbon Fraction 2	0.049	0.794	µg/m ³	V0
Organic Carbon Fraction 3	0.147	0.820	µg/m ³	V0
Organic Carbon Fraction 4	0.005	0.640	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, transmittance	0.005	1.038	µg/m ³	V0
Pyrolyzed organic carbon, thermal method, reflectance	0.005	0.732	µg/m ³	V0
Organic carbon, thermal method, transmittance	0.191	3.839	µg/m ³	V0
Organic carbon, thermal method, reflectance	0.191	3.533	µg/m ³	V0
Elemental Carbon Fraction 1	0.002	1.199	µg/m ³	V0
Elemental Carbon Fraction 2	0.002	0.201	µg/m ³	V0
Elemental Carbon Fraction 3	0.002	-8888	µg/m ³	V1
Elemental carbon, thermal method, transmittance	0.005	0.361	µg/m ³	V0
Elemental carbon, thermal method, reflectance	0.005	0.667	µg/m ³	V0
Total Carbon	0.206	4.200	µg/m ³	V0



WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

POLYCYCLIC AROMATIC HYDROCARBONS DATA RESULTS 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

Total PAHs: Air Zone One Incorporated
Mississauga, Ontario



CONTENTS DESCRIPTION	Results of PAH - Speciated PAH Gas + Particle Phase Measurements
SAMPLE PERIOD	24 hour
SAMPLING INTERVAL	Once every 6 days
UNITS	ng/m ³ (nanogram per cubic meter)
OBSERVATION TYPE	Particles + gas
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	filtration and adsorbent
PARTICLE DIAMETER	TSP (total suspended particle)
MEDIUM	a glass fiber filter + PUF/XAD-2/PUF
ANALYTICAL METHOD	Gas Chromatograph/Mass Spectrometer (GC/MS)
SAMPLE PREPARATION	Solvent Extraction
ANALYTICAL LABORATORY	AIRZONE One Inc.
USER NOTE 1	Data are recovery corrected and samples are corrected with a lab blank and an internal standard.
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Values flagged V1 are displayed as -8888
VOLUME STANDARDIZATION	Actual Volume at Ambient Conditions
SAMPLING INSTRUMENT TYPE	Tisch TE-1000 High-Volume Sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100033	
Start Date:	2022-01-04 12:05	End Date:	2022-01-04 12:06	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.192	ng/m ³	V0
Acenaphthylene	0.001	0.088	ng/m ³	V0
Acenaphthene	0.001	0.062	ng/m ³	V0
Fluorene	0.001	0.031	ng/m ³	V0
Phenanthrene	0.001	0.037	ng/m ³	V0
Anthracene	0.001	0.015	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.005	ng/m ³	V0
Pyrene	0.001	0.011	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.005	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin		Loc ID:	CONK	WBEA ID:	220100047
Start Date:	2022-01-04 12:45		End Date:	2022-01-04 12:46	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.187	ng/m ³	V0
Acenaphthylene	0.001	0.092	ng/m ³	V0
Acenaphthene	0.001	0.065	ng/m ³	V0
Fluorene	0.001	0.063	ng/m ³	V0
Phenanthrene	0.001	0.080	ng/m ³	V0
Anthracene	0.001	0.016	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.019	ng/m ³	V0
Pyrene	0.001	0.011	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.007	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100034
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

No leak check performed due to cold temperatures - display screens not working.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-30.0	°C	
Pressure		750.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.2	ng/m ³	V0
Acenaphthylene	0.001	5.73	ng/m ³	V0
Acenaphthene	0.001	4.26	ng/m ³	V0
Fluorene	0.001	1.34	ng/m ³	V0
Phenanthrene	0.001	3.76	ng/m ³	V0
Anthracene	0.001	0.582	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.309	ng/m ³	V0
Pyrene	0.001	0.314	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.140	ng/m ³	V0
Chrysene	0.001	0.157	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.219	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.219	ng/m ³	V0
Benzo(a)pyrene	0.001	0.075	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.017	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100035
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

Sample volume and sample duration estimated as sampler screen was non operational due to cold ambient temperatures. No leak check performed due to cold temperatures - display screens not working.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C	
Pressure		750.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.6	ng/m ³	V0
Acenaphthylene	0.001	5.54	ng/m ³	V0
Acenaphthene	0.001	4.28	ng/m ³	V0
Fluorene	0.001	1.54	ng/m ³	V0
Phenanthrene	0.001	3.80	ng/m ³	V0
Anthracene	0.001	0.568	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.328	ng/m ³	V0
Pyrene	0.001	0.311	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.149	ng/m ³	V0
Chrysene	0.001	0.174	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.218	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.218	ng/m ³	V0
Benzo(a)pyrene	0.001	0.078	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100019
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-30.0	°C	
Pressure		739.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	38.8	ng/m ³	V0
Acenaphthylene	0.001	3.99	ng/m ³	V0
Acenaphthene	0.001	2.88	ng/m ³	V0
Fluorene	0.001	1.44	ng/m ³	V0
Phenanthrene	0.001	1.92	ng/m ³	V0
Anthracene	0.001	0.485	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.401	ng/m ³	V0
Pyrene	0.001	0.417	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.293	ng/m ³	V0
Chrysene	0.001	0.333	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.719	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.719	ng/m ³	V0
Benzo(a)pyrene	0.001	0.068	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.017	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-01-05 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-01-06 00:00

Set Index: 1
WBEA ID: 220100013
Duration: 24.0 hr

Notes

Sample volume and sample duration estimated as sampler screen was non operational due to cold ambient temperatures.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C	
Pressure		756.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	45.1	ng/m ³	V0
Acenaphthylene	0.001	3.57	ng/m ³	V0
Acenaphthene	0.001	2.43	ng/m ³	V0
Fluorene	0.001	1.18	ng/m ³	V0
Phenanthrene	0.001	1.68	ng/m ³	V0
Anthracene	0.001	0.412	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.342	ng/m ³	V0
Pyrene	0.001	0.370	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.202	ng/m ³	V0
Chrysene	0.001	0.230	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.747	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.746	ng/m ³	V0
Benzo(a)pyrene	0.001	0.064	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100007
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-29.0	°C	
Pressure		730.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.7	ng/m ³	V0
Acenaphthylene	0.001	1.65	ng/m ³	V0
Acenaphthene	0.001	1.30	ng/m ³	V0
Fluorene	0.001	1.36	ng/m ³	V0
Phenanthrene	0.001	2.14	ng/m ³	V0
Anthracene	0.001	0.283	ng/m ³	V0
Acridine	0.001	0.001	ng/m ³	V0
Fluoranthene	0.001	0.340	ng/m ³	V0
Pyrene	0.001	0.428	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.311	ng/m ³	V0
Chrysene	0.001	0.362	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.566	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.566	ng/m ³	V0
Benzo(a)pyrene	0.001	0.060	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100048
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

Sample volume and sample duration estimated due to cold weather and display screen not working on the sampler.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C	
Pressure		724.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	24.5	ng/m ³	V0
Acenaphthylene	0.001	4.14	ng/m ³	V0
Acenaphthene	0.001	1.79	ng/m ³	V0
Fluorene	0.001	1.63	ng/m ³	V0
Phenanthrene	0.001	3.20	ng/m ³	V0
Anthracene	0.001	0.585	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	1.31	ng/m ³	V0
Pyrene	0.001	1.64	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.928	ng/m ³	V0
Chrysene	0.001	0.635	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.858	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.857	ng/m ³	V0
Benzo(a)pyrene	0.001	0.087	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100065
Start Date:	2022-01-05 00:00	End Date:	2022-01-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-28.0	°C	
Pressure		729.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.5	ng/m ³	V0
Acenaphthylene	0.001	3.46	ng/m ³	V0
Acenaphthene	0.001	1.29	ng/m ³	V0
Fluorene	0.001	0.919	ng/m ³	V0
Phenanthrene	0.001	1.75	ng/m ³	V0
Anthracene	0.001	0.219	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.507	ng/m ³	V0
Pyrene	0.001	0.489	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.235	ng/m ³	V0
Chrysene	0.001	0.270	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.499	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.499	ng/m ³	V0
Benzo(a)pyrene	0.001	0.077	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100098	
Start Date:	2022-01-07 08:35	End Date:	2022-01-07 08:36	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.223	ng/m ³	V0
Acenaphthylene	0.001	0.084	ng/m ³	V0
Acenaphthene	0.001	0.085	ng/m ³	V0
Fluorene	0.001	0.027	ng/m ³	V0
Phenanthrene	0.001	0.048	ng/m ³	V0
Anthracene	0.001	0.017	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.005	ng/m ³	V0
Pyrene	0.001	0.009	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.005	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier		Loc ID:	JANV	WBEA ID:	220100118
Start Date:	2022-01-07 12:30		End Date:	2022-01-07 12:31	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.164	ng/m ³	V0
Acenaphthylene	0.001	0.082	ng/m ³	V0
Acenaphthene	0.001	0.038	ng/m ³	V0
Fluorene	0.001	0.047	ng/m ³	V0
Phenanthrene	0.001	0.076	ng/m ³	V0
Anthracene	0.001	0.016	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.020	ng/m ³	V0
Pyrene	0.001	0.011	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.009	ng/m ³	V0
Chrysene	0.001	0.010	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(a)pyrene	0.001	0.007	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-01-11 00:00	Loc ID: BGFM	WBEA ID: 220100099
		End Date: 2022-01-12 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-17.0	°C	
Pressure		731.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.58	ng/m ³	V0
Acenaphthylene	0.001	2.96	ng/m ³	V0
Acenaphthene	0.001	2.12	ng/m ³	V0
Fluorene	0.001	1.53	ng/m ³	V0
Phenanthrene	0.001	2.39	ng/m ³	V0
Anthracene	0.001	0.588	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.264	ng/m ³	V0
Pyrene	0.001	0.362	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.150	ng/m ³	V0
Chrysene	0.001	0.170	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.430	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.430	ng/m ³	V0
Benzo(a)pyrene	0.001	0.058	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-01-11 00:00	Loc ID:	BGFM
		End Date:	2022-01-12 00:00
		Set Index:	2
		WBEA ID:	220100100
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-17.0	°C	
Pressure		731.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.61	ng/m ³	V0
Acenaphthylene	0.001	3.00	ng/m ³	V0
Acenaphthene	0.001	2.28	ng/m ³	V0
Fluorene	0.001	1.51	ng/m ³	V0
Phenanthrene	0.001	2.59	ng/m ³	V0
Anthracene	0.001	0.598	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.281	ng/m ³	V0
Pyrene	0.001	0.395	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.181	ng/m ³	V0
Chrysene	0.001	0.196	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.437	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.437	ng/m ³	V0
Benzo(a)pyrene	0.001	0.069	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100111
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		720.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	26.8	ng/m ³	V0
Acenaphthylene	0.001	4.14	ng/m ³	V0
Acenaphthene	0.001	1.53	ng/m ³	V0
Fluorene	0.001	2.29	ng/m ³	V0
Phenanthrene	0.001	2.86	ng/m ³	V0
Anthracene	0.001	0.669	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.721	ng/m ³	V0
Pyrene	0.001	0.679	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.191	ng/m ³	V0
Chrysene	0.001	0.226	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.356	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.356	ng/m ³	V0
Benzo(a)pyrene	0.001	0.068	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100130
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-14.0	°C	
Pressure		735.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	37.4	ng/m ³	V0
Acenaphthylene	0.001	4.48	ng/m ³	V0
Acenaphthene	0.001	3.26	ng/m ³	V0
Fluorene	0.001	2.53	ng/m ³	V0
Phenanthrene	0.001	3.34	ng/m ³	V0
Anthracene	0.001	0.503	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.327	ng/m ³	V0
Pyrene	0.001	0.332	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.248	ng/m ³	V0
Chrysene	0.001	0.294	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.567	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.567	ng/m ³	V0
Benzo(a)pyrene	0.001	0.087	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-01-11 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-01-12 00:00

Set Index: 1
WBEA ID: 220100124
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		711.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	38.5	ng/m ³	V0
Acenaphthylene	0.001	2.53	ng/m ³	V0
Acenaphthene	0.001	1.54	ng/m ³	V0
Fluorene	0.001	1.86	ng/m ³	V0
Phenanthrene	0.001	1.44	ng/m ³	V0
Anthracene	0.001	0.268	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.329	ng/m ³	V0
Pyrene	0.001	0.196	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.157	ng/m ³	V0
Chrysene	0.001	0.176	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.342	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.342	ng/m ³	V0
Benzo(a)pyrene	0.001	0.090	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100105
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.2	°C	
Pressure		705.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	39.7	ng/m ³	V0
Acenaphthylene	0.001	3.03	ng/m ³	V0
Acenaphthene	0.001	1.28	ng/m ³	V0
Fluorene	0.001	2.27	ng/m ³	V0
Phenanthrene	0.001	3.03	ng/m ³	V0
Anthracene	0.001	0.638	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.756	ng/m ³	V0
Pyrene	0.001	0.591	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.238	ng/m ³	V0
Chrysene	0.001	0.261	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.393	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.393	ng/m ³	V0
Benzo(a)pyrene	0.001	0.077	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100119
Start Date:	2022-01-11 00:00	End Date:	2022-01-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.2	°C	
Pressure		713.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	33.0	ng/m ³	V0
Acenaphthylene	0.001	1.75	ng/m ³	V0
Acenaphthene	0.001	0.810	ng/m ³	V0
Fluorene	0.001	1.56	ng/m ³	V0
Phenanthrene	0.001	1.64	ng/m ³	V0
Anthracene	0.001	0.320	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.297	ng/m ³	V0
Pyrene	0.001	0.203	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.029	ng/m ³	V0
Chrysene	0.001	0.132	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.286	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.286	ng/m ³	V0
Benzo(a)pyrene	0.001	0.070	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100168	
Start Date:	2022-01-13 10:50	End Date:	2022-01-13 10:51	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.231	ng/m ³	V0
Acenaphthylene	0.001	0.109	ng/m ³	V0
Acenaphthene	0.001	0.053	ng/m ³	V0
Fluorene	0.001	0.019	ng/m ³	V0
Phenanthrene	0.001	0.081	ng/m ³	V0
Anthracene	0.001	0.015	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.010	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.006	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100183
Start Date:	2022-01-14 12:00	End Date:	2022-01-14 12:01	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.131	ng/m ³	V0
Acenaphthylene	0.001	0.087	ng/m ³	V0
Acenaphthene	0.001	0.066	ng/m ³	V0
Fluorene	0.001	0.040	ng/m ³	V0
Phenanthrene	0.001	0.085	ng/m ³	V0
Anthracene	0.001	0.012	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.012	ng/m ³	V0
Pyrene	0.001	0.008	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.009	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 2
Start Date:	2022-01-17 00:00	Loc ID: BGFM	WBEA ID: 220100167
		End Date: 2022-01-18 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-19.0	°C	
Pressure		732.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.3	ng/m ³	V0
Acenaphthylene	0.001	4.61	ng/m ³	V0
Acenaphthene	0.001	2.57	ng/m ³	V0
Fluorene	0.001	1.44	ng/m ³	V0
Phenanthrene	0.001	2.56	ng/m ³	V0
Anthracene	0.001	0.421	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.279	ng/m ³	V0
Pyrene	0.001	0.452	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m ³	V0
Benzo(a)anthracene	0.001	0.181	ng/m ³	V0
Chrysene	0.001	0.204	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.477	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.477	ng/m ³	V0
Benzo(a)pyrene	0.001	0.072	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 220100184
Start Date:	2022-01-17 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-01-18 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-17.0	°C	
Pressure		719.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.9	ng/m ³	V0
Acenaphthylene	0.001	1.94	ng/m ³	V0
Acenaphthene	0.001	0.620	ng/m ³	V0
Fluorene	0.001	1.01	ng/m ³	V0
Phenanthrene	0.001	1.22	ng/m ³	V0
Anthracene	0.001	0.297	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.355	ng/m ³	V0
Pyrene	0.001	0.397	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.130	ng/m ³	V0
Chrysene	0.001	0.192	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.292	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.292	ng/m ³	V0
Benzo(a)pyrene	0.001	0.093	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.024	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.021	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-01-17 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-01-18 00:00

Set Index: 1
WBEA ID: 220100199
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		736.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.3	ng/m ³	V0
Acenaphthylene	0.001	4.64	ng/m ³	V0
Acenaphthene	0.001	0.840	ng/m ³	V0
Fluorene	0.001	0.730	ng/m ³	V0
Phenanthrene	0.001	0.635	ng/m ³	V0
Anthracene	0.001	0.118	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.667	ng/m ³	V0
Pyrene	0.001	0.204	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.332	ng/m ³	V0
Chrysene	0.001	0.401	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.273	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.273	ng/m ³	V0
Benzo(a)pyrene	0.001	0.079	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100191
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		711.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.3	ng/m ³	V0
Acenaphthylene	0.001	2.56	ng/m ³	V0
Acenaphthene	0.001	1.22	ng/m ³	V0
Fluorene	0.001	2.48	ng/m ³	V0
Phenanthrene	0.001	3.91	ng/m ³	V0
Anthracene	0.001	0.958	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	1.45	ng/m ³	V0
Pyrene	0.001	1.29	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.198	ng/m ³	V0
Chrysene	0.001	0.398	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.358	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.358	ng/m ³	V0
Benzo(a)pyrene	0.001	0.078	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.017	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.033	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100150
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		704.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.6	ng/m ³	V0
Acenaphthylene	0.001	1.47	ng/m ³	V0
Acenaphthene	0.001	0.319	ng/m ³	V0
Fluorene	0.001	0.497	ng/m ³	V0
Phenanthrene	0.001	0.633	ng/m ³	V0
Anthracene	0.001	0.217	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.184	ng/m ³	V0
Pyrene	0.001	0.174	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.129	ng/m ³	V0
Chrysene	0.001	0.131	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.227	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.227	ng/m ³	V0
Benzo(a)pyrene	0.001	0.074	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.033	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100157
Start Date:	2022-01-17 00:00	End Date:	2022-01-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		712.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.9	ng/m ³	V0
Acenaphthylene	0.001	2.40	ng/m ³	V0
Acenaphthene	0.001	0.339	ng/m ³	V0
Fluorene	0.001	0.525	ng/m ³	V0
Phenanthrene	0.001	0.299	ng/m ³	V0
Anthracene	0.001	0.046	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.135	ng/m ³	V0
Pyrene	0.001	0.095	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benzo(a)anthracene	0.001	0.142	ng/m ³	V0
Chrysene	0.001	0.150	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.376	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.376	ng/m ³	V0
Benzo(a)pyrene	0.001	0.070	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.027	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-01-20 13:30

Samp Use: Field Procedure Blank
Loc ID: ATHV
End Date: 2022-01-20 13:31

Set Index: 1
WBEA ID: 220100247
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.118	ng/m ³	V0
Acenaphthylene	0.001	0.078	ng/m ³	V0
Acenaphthene	0.001	0.050	ng/m ³	V0
Fluorene	0.001	0.052	ng/m ³	V0
Phenanthrene	0.001	0.061	ng/m ³	V0
Anthracene	0.001	0.013	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.010	ng/m ³	V0
Pyrene	0.001	0.006	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(a)pyrene	0.001	0.007	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100266	
Start Date:	2022-01-21 12:05	End Date:	2022-01-21 12:06	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.184	ng/m ³	V0
Acenaphthylene	0.001	0.070	ng/m ³	V0
Acenaphthene	0.001	0.056	ng/m ³	V0
Fluorene	0.001	0.028	ng/m ³	V0
Phenanthrene	0.001	0.073	ng/m ³	V0
Anthracene	0.001	0.013	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.005	ng/m ³	V0
Pyrene	0.001	0.008	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.005	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-01-23 00:00	Loc ID:	BGFM
		End Date:	2022-01-24 00:00
		Set Index:	1
		WBEA ID:	220100166
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-17.0	°C	
Pressure		733.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.37	ng/m ³	V0
Acenaphthylene	0.001	3.88	ng/m ³	V0
Acenaphthene	0.001	2.23	ng/m ³	V0
Fluorene	0.001	1.25	ng/m ³	V0
Phenanthrene	0.001	2.38	ng/m ³	V0
Anthracene	0.001	0.398	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.244	ng/m ³	V0
Pyrene	0.001	0.345	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.146	ng/m ³	V0
Chrysene	0.001	0.173	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.255	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.255	ng/m ³	V0
Benzo(a)pyrene	0.001	0.090	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-01-23 00:00	Loc ID:	BGFM
		End Date:	2022-01-24 00:00
		Set Index:	2
		WBEA ID:	220100228
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-17.0	°C	
Pressure		733.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.0	ng/m ³	V0
Acenaphthylene	0.001	3.66	ng/m ³	V0
Acenaphthene	0.001	2.28	ng/m ³	V0
Fluorene	0.001	1.21	ng/m ³	V0
Phenanthrene	0.001	2.15	ng/m ³	V0
Anthracene	0.001	0.347	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.242	ng/m ³	V0
Pyrene	0.001	0.346	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.159	ng/m ³	V0
Chrysene	0.001	0.184	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.277	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.277	ng/m ³	V0
Benzo(a)pyrene	0.001	0.090	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220100238
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		725.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	25.2	ng/m ³	V0
Acenaphthylene	0.001	2.53	ng/m ³	V0
Acenaphthene	0.001	1.14	ng/m ³	V0
Fluorene	0.001	1.50	ng/m ³	V0
Phenanthrene	0.001	2.54	ng/m ³	V0
Anthracene	0.001	0.752	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.525	ng/m ³	V0
Pyrene	0.001	0.534	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.083	ng/m ³	V0
Chrysene	0.001	0.315	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.298	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.298	ng/m ³	V0
Benzo(a)pyrene	0.001	0.078	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.027	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.024	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-01-23 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-01-24 00:00

Set Index: 1
WBEA ID: 220100248
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		738.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.1	ng/m ³	V0
Acenaphthylene	0.001	1.47	ng/m ³	V0
Acenaphthene	0.001	1.20	ng/m ³	V0
Fluorene	0.001	0.905	ng/m ³	V0
Phenanthrene	0.001	1.41	ng/m ³	V0
Anthracene	0.001	0.256	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.292	ng/m ³	V0
Pyrene	0.001	0.299	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.082	ng/m ³	V0
Chrysene	0.001	0.126	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.188	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.188	ng/m ³	V0
Benzo(a)pyrene	0.001	0.077	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100264
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		713.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.0	ng/m ³	V0
Acenaphthylene	0.001	3.06	ng/m ³	V0
Acenaphthene	0.001	1.78	ng/m ³	V0
Fluorene	0.001	1.42	ng/m ³	V0
Phenanthrene	0.001	1.50	ng/m ³	V0
Anthracene	0.001	0.378	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.499	ng/m ³	V0
Pyrene	0.001	0.173	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.159	ng/m ³	V0
Chrysene	0.001	0.408	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.214	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.214	ng/m ³	V0
Benzo(a)pyrene	0.001	0.090	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.030	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.021	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100258
Start Date:	2022-01-23 00:00	End Date:	2022-01-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.3	°C	
Pressure		707.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.5	ng/m ³	V0
Acenaphthylene	0.001	3.16	ng/m ³	V0
Acenaphthene	0.001	1.09	ng/m ³	V0
Fluorene	0.001	1.32	ng/m ³	V0
Phenanthrene	0.001	2.08	ng/m ³	V0
Anthracene	0.001	0.310	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.481	ng/m ³	V0
Pyrene	0.001	0.372	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.064	ng/m ³	V0
Chrysene	0.001	0.177	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.156	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.156	ng/m ³	V0
Benzo(a)pyrene	0.001	0.075	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.025	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-01-23 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-01-24 00:00

Set Index: 1
WBEA ID: 220100239
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.7	°C	
Pressure		715.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.4	ng/m ³	V0
Acenaphthylene	0.001	2.31	ng/m ³	V0
Acenaphthene	0.001	0.725	ng/m ³	V0
Fluorene	0.001	0.804	ng/m ³	V0
Phenanthrene	0.001	0.981	ng/m ³	V0
Anthracene	0.001	0.177	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.196	ng/m ³	V0
Pyrene	0.001	0.145	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.153	ng/m ³	V0
Chrysene	0.001	0.171	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.134	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.134	ng/m ³	V0
Benzo(a)pyrene	0.001	0.076	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100304	
Start Date:	2022-01-27 14:40	End Date:	2022-01-27 14:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.220	ng/m ³	V0
Acenaphthylene	0.001	0.108	ng/m ³	V0
Acenaphthene	0.001	0.066	ng/m ³	V0
Fluorene	0.001	0.060	ng/m ³	V0
Phenanthrene	0.001	0.048	ng/m ³	V0
Anthracene	0.001	0.017	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.089	ng/m ³	V0
Pyrene	0.001	0.007	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.005	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-01-28 13:05

Samp Use: Field Procedure Blank
Loc ID: ANZC
End Date: 2022-01-28 13:06

Set Index: 1
WBEA ID: 220100331
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.096	ng/m ³	V0
Acenaphthylene	0.001	0.097	ng/m ³	V0
Acenaphthene	0.001	0.072	ng/m ³	V0
Fluorene	0.001	0.063	ng/m ³	V0
Phenanthrene	0.001	0.092	ng/m ³	V0
Anthracene	0.001	0.018	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.014	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.008	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.006	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-01-29 00:00	Loc ID:	BGFM
		End Date:	2022-01-30 00:00
		Set Index:	1
		WBEA ID:	220100305
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-13.0	°C	
Pressure		731.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.3	ng/m ³	V0
Acenaphthylene	0.001	3.97	ng/m ³	V0
Acenaphthene	0.001	1.85	ng/m ³	V0
Fluorene	0.001	1.05	ng/m ³	V0
Phenanthrene	0.001	1.82	ng/m ³	V0
Anthracene	0.001	0.345	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.294	ng/m ³	V0
Pyrene	0.001	0.327	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.109	ng/m ³	V0
Chrysene	0.001	0.143	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.275	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.285	ng/m ³	V0
Benzo(a)pyrene	0.001	0.090	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.016	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-01-29 00:00	Loc ID:	BGFM
		End Date:	2022-01-30 00:00
		Set Index:	2
		WBEA ID:	220100306
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-13.0	°C	
Pressure		731.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.1	ng/m ³	V0
Acenaphthylene	0.001	4.24	ng/m ³	V0
Acenaphthene	0.001	2.29	ng/m ³	V0
Fluorene	0.001	1.11	ng/m ³	V0
Phenanthrene	0.001	1.65	ng/m ³	V0
Anthracene	0.001	0.359	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.310	ng/m ³	V0
Pyrene	0.001	0.296	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.124	ng/m ³	V0
Chrysene	0.001	0.145	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.275	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.275	ng/m ³	V0
Benzo(a)pyrene	0.001	0.094	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-01-29 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-01-30 00:00

Set Index: 1
WBEA ID: 220100312
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.8	°C	
Pressure		721.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	27.5	ng/m ³	V0
Acenaphthylene	0.001	4.92	ng/m ³	V0
Acenaphthene	0.001	1.23	ng/m ³	V0
Fluorene	0.001	1.31	ng/m ³	V0
Phenanthrene	0.001	2.48	ng/m ³	V0
Anthracene	0.001	0.587	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.840	ng/m ³	V0
Pyrene	0.001	0.873	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.091	ng/m ³	V0
Chrysene	0.001	0.280	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.176	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.176	ng/m ³	V0
Benzo(a)pyrene	0.001	0.077	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.023	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.022	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220100319
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-6.3	°C	
Pressure		737.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.9	ng/m ³	V0
Acenaphthylene	0.001	2.06	ng/m ³	V0
Acenaphthene	0.001	0.906	ng/m ³	V0
Fluorene	0.001	0.775	ng/m ³	V0
Phenanthrene	0.001	1.50	ng/m ³	V0
Anthracene	0.001	0.336	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.448	ng/m ³	V0
Pyrene	0.001	0.434	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.035	ng/m ³	V0
Chrysene	0.001	0.125	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.196	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.196	ng/m ³	V0
Benzo(a)pyrene	0.001	0.055	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100337
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.0	°C	
Pressure		713.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.4	ng/m ³	V0
Acenaphthylene	0.001	2.33	ng/m ³	V0
Acenaphthene	0.001	1.14	ng/m ³	V0
Fluorene	0.001	0.928	ng/m ³	V0
Phenanthrene	0.001	0.723	ng/m ³	V0
Anthracene	0.001	0.111	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.158	ng/m ³	V0
Pyrene	0.001	0.108	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.117	ng/m ³	V0
Chrysene	0.001	0.113	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.162	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.162	ng/m ³	V0
Benzo(a)pyrene	0.001	0.033	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220100274
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.8	°C	
Pressure		708.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.8	ng/m ³	V0
Acenaphthylene	0.001	2.35	ng/m ³	V0
Acenaphthene	0.001	0.787	ng/m ³	V0
Fluorene	0.001	1.01	ng/m ³	V0
Phenanthrene	0.001	1.90	ng/m ³	V0
Anthracene	0.001	0.425	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.456	ng/m ³	V0
Pyrene	0.001	0.322	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.115	ng/m ³	V0
Chrysene	0.001	0.488	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.194	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.194	ng/m ³	V0
Benzo(a)pyrene	0.001	0.080	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.024	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220100284
Start Date:	2022-01-29 00:00	End Date:	2022-01-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.6	°C	
Pressure		716.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.0	ng/m ³	V0
Acenaphthylene	0.001	2.24	ng/m ³	V0
Acenaphthene	0.001	0.758	ng/m ³	V0
Fluorene	0.001	0.868	ng/m ³	V0
Phenanthrene	0.001	1.49	ng/m ³	V0
Anthracene	0.001	0.370	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.215	ng/m ³	V0
Pyrene	0.001	0.182	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.115	ng/m ³	V0
Chrysene	0.001	0.406	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.200	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.200	ng/m ³	V0
Benzo(a)pyrene	0.001	0.045	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.029	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200412
Start Date:	2022-02-01 14:00	End Date:	2022-02-01 14:01	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.185	ng/m ³	V0
Acenaphthylene	0.001	0.086	ng/m ³	V0
Acenaphthene	0.001	0.067	ng/m ³	V0
Fluorene	0.001	0.054	ng/m ³	V0
Phenanthrene	0.001	0.043	ng/m ³	V0
Anthracene	0.001	0.012	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.009	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200440	
Start Date:	2022-02-02 16:05	End Date:	2022-02-02 16:06	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.167	ng/m ³	V0
Acenaphthylene	0.001	0.103	ng/m ³	V0
Acenaphthene	0.001	0.059	ng/m ³	V0
Fluorene	0.001	0.019	ng/m ³	V0
Phenanthrene	0.001	0.062	ng/m ³	V0
Anthracene	0.001	0.015	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.027	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.012	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-02-04 00:00	Loc ID: BGFM	WBEA ID: 220200441
		End Date: 2022-02-05 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-25.0	°C	
Pressure		736.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.46	ng/m ³	V0
Acenaphthylene	0.001	2.12	ng/m ³	V0
Acenaphthene	0.001	2.12	ng/m ³	V0
Fluorene	0.001	1.72	ng/m ³	V0
Phenanthrene	0.001	3.05	ng/m ³	V0
Anthracene	0.001	0.468	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.11	ng/m ³	V0
Pyrene	0.001	1.11	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.453	ng/m ³	V0
Chrysene	0.001	0.344	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.302	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.300	ng/m ³	V0
Benzo(a)pyrene	0.001	0.058	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.029	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.049	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.023	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200442
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-25.0	°C	
Pressure		736.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.94	ng/m ³	V0
Acenaphthylene	0.001	2.24	ng/m ³	V0
Acenaphthene	0.001	2.04	ng/m ³	V0
Fluorene	0.001	1.76	ng/m ³	V0
Phenanthrene	0.001	3.03	ng/m ³	V0
Anthracene	0.001	0.535	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	1.15	ng/m ³	V0
Pyrene	0.001	1.11	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.458	ng/m ³	V0
Chrysene	0.001	0.348	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.295	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.293	ng/m ³	V0
Benzo(a)pyrene	0.001	0.060	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.030	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.045	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-02-04 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-02-05 00:00

Set Index: 1
WBEA ID: 220100377
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C	
Pressure		724.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.6	ng/m ³	V0
Acenaphthylene	0.001	1.88	ng/m ³	V0
Acenaphthene	0.001	1.19	ng/m ³	V0
Fluorene	0.001	1.05	ng/m ³	V0
Phenanthrene	0.001	2.42	ng/m ³	V0
Anthracene	0.001	0.526	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.439	ng/m ³	V0
Pyrene	0.001	0.341	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.138	ng/m ³	V0
Chrysene	0.001	0.106	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.087	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.086	ng/m ³	V0
Benzo(a)pyrene	0.001	0.049	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.029	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.030	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220100383
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-21.0	°C	
Pressure		740.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.6	ng/m ³	V0
Acenaphthylene	0.001	1.23	ng/m ³	V0
Acenaphthene	0.001	1.19	ng/m ³	V0
Fluorene	0.001	0.953	ng/m ³	V0
Phenanthrene	0.001	1.48	ng/m ³	V0
Anthracene	0.001	2.62	ng/m ³	V4
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.747	ng/m ³	V0
Pyrene	0.001	0.644	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.050	ng/m ³	V0
Chrysene	0.001	0.095	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.112	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.112	ng/m ³	V0
Benzo(a)pyrene	0.001	0.071	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.046	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220100371
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		716.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.5	ng/m ³	V0
Acenaphthylene	0.001	2.21	ng/m ³	V0
Acenaphthene	0.001	0.404	ng/m ³	V0
Fluorene	0.001	0.657	ng/m ³	V0
Phenanthrene	0.001	0.416	ng/m ³	V0
Anthracene	0.001	0.069	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.365	ng/m ³	V0
Pyrene	0.001	0.303	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.031	ng/m ³	V0
Chrysene	0.001	0.022	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.049	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.049	ng/m ³	V0
Benzo(a)pyrene	0.001	0.015	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.028	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-02-04 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-02-05 00:00

Set Index: 1
WBEA ID: 220200413
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-19.0	°C	
Pressure		710.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	3.07	ng/m ³	V0
Acenaphthylene	0.001	2.19	ng/m ³	V0
Acenaphthene	0.001	0.577	ng/m ³	V0
Fluorene	0.001	0.716	ng/m ³	V0
Phenanthrene	0.001	1.09	ng/m ³	V0
Anthracene	0.001	0.226	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.254	ng/m ³	V0
Pyrene	0.001	0.150	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.066	ng/m ³	V0
Chrysene	0.001	0.049	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.060	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.061	ng/m ³	V0
Benzo(a)pyrene	0.001	0.028	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.029	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.047	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200421
Start Date:	2022-02-04 00:00	End Date:	2022-02-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-18.0	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.5	ng/m ³	V0
Acenaphthylene	0.001	2.50	ng/m ³	V0
Acenaphthene	0.001	0.451	ng/m ³	V0
Fluorene	0.001	0.719	ng/m ³	V0
Phenanthrene	0.001	0.634	ng/m ³	V0
Anthracene	0.001	0.167	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.269	ng/m ³	V0
Pyrene	0.001	0.172	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.080	ng/m ³	V0
Chrysene	0.001	0.060	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.061	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.061	ng/m ³	V0
Benzo(a)pyrene	0.001	0.028	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.034	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier		Loc ID:	JANV	WBEA ID:	220200487
Start Date:	2022-02-07 15:57		End Date:	2022-02-07 15:58	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.155	ng/m ³	V0
Acenaphthylene	0.001	0.047	ng/m ³	V0
Acenaphthene	0.001	0.077	ng/m ³	V0
Fluorene	0.001	0.038	ng/m ³	V0
Phenanthrene	0.001	0.073	ng/m ³	V0
Anthracene	0.001	0.014	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.007	ng/m ³	V0
Pyrene	0.001	0.007	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200505	
Start Date:	2022-02-09 16:20	End Date:	2022-02-09 16:21	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.131	ng/m ³	V0
Acenaphthylene	0.001	0.077	ng/m ³	V0
Acenaphthene	0.001	0.076	ng/m ³	V0
Fluorene	0.001	0.022	ng/m ³	V0
Phenanthrene	0.001	0.053	ng/m ³	V0
Anthracene	0.001	0.017	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.004	ng/m ³	V0
Pyrene	0.001	0.046	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-02-10 00:00	Loc ID:	BGFM
		End Date:	2022-02-11 00:00
		Set Index:	1
		WBEA ID:	220200506
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-9.6	°C	
Pressure		731.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.9	ng/m ³	V0
Acenaphthylene	0.001	3.05	ng/m ³	V0
Acenaphthene	0.001	1.94	ng/m ³	V0
Fluorene	0.001	1.06	ng/m ³	V0
Phenanthrene	0.001	1.79	ng/m ³	V0
Anthracene	0.001	0.636	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.702	ng/m ³	V0
Pyrene	0.001	0.586	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.529	ng/m ³	V0
Chrysene	0.001	0.402	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.170	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.169	ng/m ³	V0
Benzo(a)pyrene	0.001	0.049	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.040	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.040	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 2
Start Date:	2022-02-10 00:00	Loc ID: BGFM	WBEA ID: 220200507
		End Date: 2022-02-11 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-9.6	°C	
Pressure		731.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.6	ng/m ³	V0
Acenaphthylene	0.001	2.72	ng/m ³	V0
Acenaphthene	0.001	2.04	ng/m ³	V0
Fluorene	0.001	1.12	ng/m ³	V0
Phenanthrene	0.001	1.97	ng/m ³	V0
Anthracene	0.001	0.601	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.625	ng/m ³	V0
Pyrene	0.001	0.618	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.478	ng/m ³	V0
Chrysene	0.001	0.363	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.195	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.194	ng/m ³	V0
Benzo(a)pyrene	0.001	0.055	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.039	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.037	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-02-10 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-02-11 00:00

Set Index: 1
WBEA ID: 220200469
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		720.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.7	ng/m ³	V0
Acenaphthylene	0.001	2.85	ng/m ³	V0
Acenaphthene	0.001	1.08	ng/m ³	V0
Fluorene	0.001	0.900	ng/m ³	V0
Phenanthrene	0.001	1.39	ng/m ³	V0
Anthracene	0.001	0.385	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.316	ng/m ³	V0
Pyrene	0.001	0.262	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.032	ng/m ³	V0
Chrysene	0.001	0.092	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.132	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.132	ng/m ³	V0
Benzo(a)pyrene	0.001	0.044	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.049	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220200463
Start Date:	2022-02-10 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-02-11 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-8.9	°C	
Pressure		732.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.75	ng/m ³	V0
Acenaphthylene	0.001	1.70	ng/m ³	V0
Acenaphthene	0.001	0.676	ng/m ³	V0
Fluorene	0.001	0.402	ng/m ³	V0
Phenanthrene	0.001	0.514	ng/m ³	V0
Anthracene	0.001	0.175	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.118	ng/m ³	V0
Pyrene	0.001	0.085	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.079	ng/m ³	V0
Chrysene	0.001	0.059	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m ³	V0
Benzo(a)pyrene	0.001	0.016	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.030	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200457
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.2	°C	
Pressure		709.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.89	ng/m ³	V0
Acenaphthylene	0.001	2.63	ng/m ³	V0
Acenaphthene	0.001	0.804	ng/m ³	V0
Fluorene	0.001	0.563	ng/m ³	V0
Phenanthrene	0.001	0.808	ng/m ³	V0
Anthracene	0.001	0.162	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.145	ng/m ³	V0
Pyrene	0.001	0.070	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.052	ng/m ³	V0
Chrysene	0.001	0.038	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.070	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.070	ng/m ³	V0
Benzo(a)pyrene	0.001	0.023	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.039	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.042	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200475
Start Date:	2022-02-10 00:00	End Date:	2022-02-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C	
Pressure		704.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.50	ng/m ³	V0
Acenaphthylene	0.001	1.87	ng/m ³	V0
Acenaphthene	0.001	0.712	ng/m ³	V0
Fluorene	0.001	0.483	ng/m ³	V0
Phenanthrene	0.001	0.987	ng/m ³	V0
Anthracene	0.001	0.235	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.292	ng/m ³	V0
Pyrene	0.001	0.192	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.061	ng/m ³	V0
Chrysene	0.001	0.045	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.067	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.067	ng/m ³	V0
Benzo(a)pyrene	0.001	0.020	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.039	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.044	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-02-10 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-02-11 00:00

Set Index: 1
WBEA ID: 220200488
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.3	°C	
Pressure		711.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.98	ng/m ³	V0
Acenaphthylene	0.001	2.32	ng/m ³	V0
Acenaphthene	0.001	0.572	ng/m ³	V0
Fluorene	0.001	0.435	ng/m ³	V0
Phenanthrene	0.001	0.609	ng/m ³	V0
Anthracene	0.001	0.162	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.281	ng/m ³	V0
Pyrene	0.001	0.198	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.070	ng/m ³	V0
Chrysene	0.001	0.051	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.044	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.044	ng/m ³	V0
Benzo(a)pyrene	0.001	0.016	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.033	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.040	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200536	
Start Date:	2022-02-11 15:15	End Date:	2022-02-11 15:16	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.185	ng/m ³	V0
Acenaphthylene	0.001	0.056	ng/m ³	V0
Acenaphthene	0.001	0.088	ng/m ³	V0
Fluorene	0.001	0.019	ng/m ³	V0
Phenanthrene	0.001	0.062	ng/m ³	V0
Anthracene	0.001	0.021	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.003	ng/m ³	V0
Pyrene	0.001	0.029	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220200573
Start Date:	2022-02-15 10:00	End Date:	2022-02-15 10:01	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.265	ng/m ³	V0
Acenaphthylene	0.001	0.070	ng/m ³	V0
Acenaphthene	0.001	0.058	ng/m ³	V0
Fluorene	0.001	0.032	ng/m ³	V0
Phenanthrene	0.001	0.059	ng/m ³	V0
Anthracene	0.001	0.009	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.007	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Bertha Ganter - Fort McKay
Start Date: 2022-02-16 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-02-17 00:00

Set Index: 1
WBEA ID: 220200538
Duration: 24.0 hr

Notes

Upon collection of sample, sampler had a power fail warning. Resulted in short sampling duration and low sample volume.(86359/86400)

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		746.2	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	18.2	ng/m ³	V0
Acenaphthylene	0.001	2.34	ng/m ³	V0
Acenaphthene	0.001	1.65	ng/m ³	V0
Fluorene	0.001	0.749	ng/m ³	V0
Phenanthrene	0.001	1.44	ng/m ³	V0
Anthracene	0.001	0.318	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.633	ng/m ³	V0
Pyrene	0.001	0.776	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benz(a)anthracene	0.001	0.408	ng/m ³	V0
Chrysene	0.001	0.308	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.202	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.200	ng/m ³	V0
Benzo(a)pyrene	0.001	0.056	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.057	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.046	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Exposure	Set Index:	2
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200537	
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr	

Notes

Upon collection of the sample, sampler had a power fail warning. Resulted in short sampling duration and low sample volume.(86359/86400)

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-25.0	°C	
Pressure		746.2	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	18.6	ng/m ³	V0
Acenaphthylene	0.001	2.46	ng/m ³	V0
Acenaphthene	0.001	1.72	ng/m ³	V0
Fluorene	0.001	0.766	ng/m ³	V0
Phenanthrene	0.001	1.50	ng/m ³	V0
Anthracene	0.001	0.378	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.661	ng/m ³	V0
Pyrene	0.001	0.794	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benz(a)anthracene	0.001	0.405	ng/m ³	V0
Chrysene	0.001	0.307	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.200	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.198	ng/m ³	V0
Benzo(a)pyrene	0.001	0.080	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.065	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.046	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-02-16 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-02-17 00:00

Set Index: 1
WBEA ID: 220200571
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-27.0	°C	
Pressure		731.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.4	ng/m ³	V0
Acenaphthylene	0.001	1.22	ng/m ³	V0
Acenaphthene	0.001	0.812	ng/m ³	V0
Fluorene	0.001	0.498	ng/m ³	V0
Phenanthrene	0.001	1.42	ng/m ³	V0
Anthracene	0.001	0.370	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.279	ng/m ³	V0
Pyrene	0.001	0.211	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.064	ng/m ³	V0
Chrysene	0.001	0.047	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.169	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.169	ng/m ³	V0
Benzo(a)pyrene	0.001	0.097	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.066	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.037	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-02-16 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-02-17 00:00

Set Index: 1
WBEA ID: 220200565
Duration: 24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	25.5	ng/m ³	V0
Acenaphthylene	0.001	1.12	ng/m ³	V0
Acenaphthene	0.001	0.722	ng/m ³	V0
Fluorene	0.001	0.433	ng/m ³	V0
Phenanthrene	0.001	1.17	ng/m ³	V0
Anthracene	0.001	0.253	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.222	ng/m ³	V0
Pyrene	0.001	0.209	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.049	ng/m ³	V0
Chrysene	0.001	0.103	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.138	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.138	ng/m ³	V0
Benzo(a)pyrene	0.001	0.073	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.041	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.032	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200558
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		722.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.99	ng/m ³	V0
Acenaphthylene	0.001	1.93	ng/m ³	V0
Acenaphthene	0.001	0.915	ng/m ³	V0
Fluorene	0.001	0.554	ng/m ³	V0
Phenanthrene	0.001	0.505	ng/m ³	V0
Anthracene	0.001	0.106	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.098	ng/m ³	V0
Pyrene	0.001	0.083	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benzo(a)anthracene	0.001	0.077	ng/m ³	V0
Chrysene	0.001	0.057	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.069	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.069	ng/m ³	V0
Benzo(a)pyrene	0.001	0.022	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.055	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.043	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200546
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		716.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.7	ng/m ³	V0
Acenaphthylene	0.001	1.60	ng/m ³	V0
Acenaphthene	0.001	0.691	ng/m ³	V0
Fluorene	0.001	0.930	ng/m ³	V0
Phenanthrene	0.001	2.49	ng/m ³	V0
Anthracene	0.001	0.575	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.01	ng/m ³	V0
Pyrene	0.001	0.989	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.390	ng/m ³	V0
Chrysene	0.001	0.296	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.395	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.392	ng/m ³	V0
Benzo(a)pyrene	0.001	0.097	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.064	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.052	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200552
Start Date:	2022-02-16 00:00	End Date:	2022-02-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		722.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.7	ng/m ³	V0
Acenaphthylene	0.001	1.24	ng/m ³	V0
Acenaphthene	0.001	0.284	ng/m ³	V0
Fluorene	0.001	0.275	ng/m ³	V0
Phenanthrene	0.001	0.870	ng/m ³	V0
Anthracene	0.001	0.335	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.265	ng/m ³	V0
Pyrene	0.001	0.239	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.037	ng/m ³	V0
Chrysene	0.001	0.060	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.108	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.108	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.036	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.039	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200610	
Start Date:	2022-02-17 12:45	End Date:	2022-02-17 12:46	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.235	ng/m ³	V0
Acenaphthylene	0.001	0.056	ng/m ³	V0
Acenaphthene	0.001	0.107	ng/m ³	V0
Fluorene	0.001	0.015	ng/m ³	V0
Phenanthrene	0.001	0.057	ng/m ³	V0
Anthracene	0.001	0.020	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.010	ng/m ³	V0
Pyrene	0.001	0.019	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benz(a)anthracene	0.001	0.010	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley		Loc ID:	ATHV	WBEA ID:	220200624
Start Date:	2022-02-18 11:20		End Date:	2022-02-18 11:21	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.194	ng/m ³	V0
Acenaphthylene	0.001	0.067	ng/m ³	V0
Acenaphthene	0.001	0.084	ng/m ³	V0
Fluorene	0.001	0.026	ng/m ³	V0
Phenanthrene	0.001	0.037	ng/m ³	V0
Anthracene	0.001	0.008	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.007	ng/m ³	V0
Pyrene	0.001	0.005	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-02-22 00:00	Loc ID:	BGFM
		End Date:	2022-02-23 00:00
		Set Index:	1
		WBEA ID:	220200611
		Duration:	24.0 hr

Notes

Filter very dark upon retrieval

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		754.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	23.1	ng/m ³	V0
Acenaphthylene	0.001	4.47	ng/m ³	V0
Acenaphthene	0.001	3.19	ng/m ³	V0
Fluorene	0.001	1.23	ng/m ³	V0
Phenanthrene	0.001	2.67	ng/m ³	V0
Anthracene	0.001	0.349	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.715	ng/m ³	V0
Pyrene	0.001	0.916	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.439	ng/m ³	V0
Chrysene	0.001	0.335	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.202	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.200	ng/m ³	V0
Benzo(a)pyrene	0.001	0.074	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.042	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.042	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200612
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

Filter very dark upon retrieval

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		754.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	24.0	ng/m ³	V0
Acenaphthylene	0.001	4.30	ng/m ³	V0
Acenaphthene	0.001	3.03	ng/m ³	V0
Fluorene	0.001	1.29	ng/m ³	V0
Phenanthrene	0.001	2.83	ng/m ³	V0
Anthracene	0.001	0.420	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.833	ng/m ³	V0
Pyrene	0.001	0.914	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.504	ng/m ³	V0
Chrysene	0.001	0.383	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.201	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.199	ng/m ³	V0
Benzo(a)pyrene	0.001	0.083	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.044	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.047	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-02-22 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-02-23 00:00

Set Index: 1
WBEA ID: 220200633
Duration: 24.0 hr

Notes

Snow found on filter upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-28.3	°C	
Pressure		755.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	34.6	ng/m ³	V0
Acenaphthylene	0.001	2.22	ng/m ³	V0
Acenaphthene	0.001	1.62	ng/m ³	V0
Fluorene	0.001	0.825	ng/m ³	V0
Phenanthrene	0.001	2.59	ng/m ³	V0
Anthracene	0.001	0.679	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.583	ng/m ³	V0
Pyrene	0.001	0.490	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.090	ng/m ³	V0
Chrysene	0.001	0.179	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.176	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.177	ng/m ³	V0
Benzo(a)pyrene	0.001	0.096	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.045	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.060	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220200625
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-27.0	°C	
Pressure		757.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	40.4	ng/m ³	V0
Acenaphthylene	0.001	2.38	ng/m ³	V0
Acenaphthene	0.001	1.97	ng/m ³	V0
Fluorene	0.001	1.33	ng/m ³	V0
Phenanthrene	0.001	4.05	ng/m ³	V0
Anthracene	0.001	1.10	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.25	ng/m ³	V0
Pyrene	0.001	0.987	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.254	ng/m ³	V0
Chrysene	0.001	0.429	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.362	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.359	ng/m ³	V0
Benzo(a)pyrene	0.001	0.098	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.066	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.039	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-02-22 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-02-23 00:00

Set Index: 1
WBEA ID: 220200631
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		730.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	31.3	ng/m ³	V0
Acenaphthylene	0.001	2.59	ng/m ³	V0
Acenaphthene	0.001	4.65	ng/m ³	V0
Fluorene	0.001	1.31	ng/m ³	V0
Phenanthrene	0.001	2.95	ng/m ³	V0
Anthracene	0.001	0.478	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.573	ng/m ³	V0
Pyrene	0.001	0.488	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.087	ng/m ³	V0
Chrysene	0.001	0.060	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.185	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.188	ng/m ³	V0
Benzo(a)pyrene	0.001	0.077	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.036	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.035	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220200590
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		724.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.6	ng/m ³	V0
Acenaphthylene	0.001	1.85	ng/m ³	V0
Acenaphthene	0.001	0.840	ng/m ³	V0
Fluorene	0.001	0.538	ng/m ³	V0
Phenanthrene	0.001	2.55	ng/m ³	V0
Anthracene	0.001	0.770	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.718	ng/m ³	V0
Pyrene	0.001	0.671	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.145	ng/m ³	V0
Chrysene	0.001	0.242	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.289	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.286	ng/m ³	V0
Benzo(a)pyrene	0.001	0.080	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.086	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.045	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200605
Start Date:	2022-02-22 00:00	End Date:	2022-02-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		730.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.1	ng/m ³	V0
Acenaphthylene	0.001	2.79	ng/m ³	V0
Acenaphthene	0.001	1.07	ng/m ³	V0
Fluorene	0.001	0.255	ng/m ³	V0
Phenanthrene	0.001	0.754	ng/m ³	V0
Anthracene	0.001	0.181	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.338	ng/m ³	V0
Pyrene	0.001	0.258	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.071	ng/m ³	V0
Chrysene	0.001	0.052	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.053	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.052	ng/m ³	V0
Benzo(a)pyrene	0.001	0.022	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.037	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.042	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200642	
Start Date:	2022-02-23 09:35	End Date:	2022-02-23 09:36	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.362	ng/m ³	V0
Acenaphthylene	0.001	0.217	ng/m ³	V0
Acenaphthene	0.001	0.304	ng/m ³	V0
Fluorene	0.001	0.057	ng/m ³	V0
Phenanthrene	0.001	0.060	ng/m ³	V0
Anthracene	0.001	0.044	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.012	ng/m ³	V0
Pyrene	0.001	0.042	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benz(a)anthracene	0.001	0.014	ng/m ³	V0
Chrysene	0.001	0.009	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220200706
Start Date:	2022-02-24 13:50	End Date:	2022-02-24 13:51	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.235	ng/m ³	V0
Acenaphthylene	0.001	0.084	ng/m ³	V0
Acenaphthene	0.001	0.071	ng/m ³	V0
Fluorene	0.001	0.046	ng/m ³	V0
Phenanthrene	0.001	0.061	ng/m ³	V0
Anthracene	0.001	0.010	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.010	ng/m ³	V0
Pyrene	0.001	0.010	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-02-28 00:00	Loc ID:	BGFM
		End Date:	2022-03-01 00:00
		Set Index:	1
		WBEA ID:	220200639
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-11.0	°C	
Pressure		738.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.2	ng/m ³	V0
Acenaphthylene	0.001	2.10	ng/m ³	V0
Acenaphthene	0.001	1.77	ng/m ³	V0
Fluorene	0.001	1.28	ng/m ³	V0
Phenanthrene	0.001	1.54	ng/m ³	V0
Anthracene	0.001	0.354	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.655	ng/m ³	V0
Pyrene	0.001	0.752	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.435	ng/m ³	V0
Chrysene	0.001	0.330	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.221	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.219	ng/m ³	V0
Benzo(a)pyrene	0.001	0.057	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.052	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.045	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-02-28 00:00	Loc ID:	BGFM
		End Date:	2022-03-01 00:00
		Set Index:	2
		WBEA ID:	220200641
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-11.0	°C	
Pressure		738.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.6	ng/m ³	V0
Acenaphthylene	0.001	2.05	ng/m ³	V0
Acenaphthene	0.001	1.65	ng/m ³	V0
Fluorene	0.001	1.33	ng/m ³	V0
Phenanthrene	0.001	1.52	ng/m ³	V0
Anthracene	0.001	0.327	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.770	ng/m ³	V0
Pyrene	0.001	0.845	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.510	ng/m ³	V0
Chrysene	0.001	0.394	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.232	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.230	ng/m ³	V0
Benzo(a)pyrene	0.001	0.076	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.053	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.052	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200689
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		729.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.1	ng/m ³	V0
Acenaphthylene	0.001	2.97	ng/m ³	V0
Acenaphthene	0.001	1.89	ng/m ³	V0
Fluorene	0.001	1.21	ng/m ³	V0
Phenanthrene	0.001	3.09	ng/m ³	V0
Anthracene	0.001	0.592	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.459	ng/m ³	V0
Pyrene	0.001	0.481	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.117	ng/m ³	V0
Chrysene	0.001	0.260	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.118	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.117	ng/m ³	V0
Benzo(a)pyrene	0.001	0.102	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.042	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.043	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200699
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-13.0	°C	
Pressure		739.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.9	ng/m ³	V0
Acenaphthylene	0.001	2.48	ng/m ³	V0
Acenaphthene	0.001	1.91	ng/m ³	V0
Fluorene	0.001	1.05	ng/m ³	V0
Phenanthrene	0.001	2.38	ng/m ³	V0
Anthracene	0.001	0.570	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.345	ng/m ³	V0
Pyrene	0.001	0.381	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.098	ng/m ³	V0
Chrysene	0.001	0.225	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.104	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.103	ng/m ³	V0
Benzo(a)pyrene	0.001	0.100	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.041	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.040	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200707
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		716.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.1	ng/m ³	V0
Acenaphthylene	0.001	3.07	ng/m ³	V0
Acenaphthene	0.001	5.08	ng/m ³	V0
Fluorene	0.001	2.43	ng/m ³	V0
Phenanthrene	0.001	2.23	ng/m ³	V0
Anthracene	0.001	0.387	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.298	ng/m ³	V0
Pyrene	0.001	0.191	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.131	ng/m ³	V0
Chrysene	0.001	0.100	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.064	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.065	ng/m ³	V0
Benzo(a)pyrene	0.001	0.039	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.045	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.050	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-02-28 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-03-01 00:00

Set Index: 1
WBEA ID: 220200671
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		710.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.89	ng/m ³	V0
Acenaphthylene	0.001	2.00	ng/m ³	V0
Acenaphthene	0.001	1.49	ng/m ³	V0
Fluorene	0.001	1.19	ng/m ³	V0
Phenanthrene	0.001	1.97	ng/m ³	V0
Anthracene	0.001	0.388	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.571	ng/m ³	V0
Pyrene	0.001	0.397	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.153	ng/m ³	V0
Chrysene	0.001	0.114	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.087	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.089	ng/m ³	V0
Benzo(a)pyrene	0.001	0.043	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.035	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.062	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220200679
Start Date:	2022-02-28 00:00	End Date:	2022-03-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.7	°C	
Pressure		718.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.34	ng/m ³	V0
Acenaphthylene	0.001	1.72	ng/m ³	V0
Acenaphthene	0.001	1.33	ng/m ³	V0
Fluorene	0.001	0.794	ng/m ³	V0
Phenanthrene	0.001	1.08	ng/m ³	V0
Anthracene	0.001	0.149	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.353	ng/m ³	V0
Pyrene	0.001	0.366	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.088	ng/m ³	V0
Chrysene	0.001	0.065	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.048	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.049	ng/m ³	V0
Benzo(a)pyrene	0.001	0.022	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.046	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.049	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300771	
Start Date:	2022-03-01 09:40	End Date:	2022-03-01 09:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.155	ng/m ³	V0
Acenaphthylene	0.001	0.147	ng/m ³	V0
Acenaphthene	0.001	0.202	ng/m ³	V0
Fluorene	0.001	0.080	ng/m ³	V0
Phenanthrene	0.001	0.091	ng/m ³	V0
Anthracene	0.001	0.024	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.011	ng/m ³	V0
Pyrene	0.001	0.009	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.007	ng/m ³	V0
Chrysene	0.001	0.009	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300799
Start Date:	2022-03-02 15:25	End Date:	2022-03-02 15:26	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.151	ng/m ³	V0
Acenaphthylene	0.001	0.058	ng/m ³	V0
Acenaphthene	0.001	0.042	ng/m ³	V0
Fluorene	0.001	0.019	ng/m ³	V0
Phenanthrene	0.001	0.025	ng/m ³	V0
Anthracene	0.001	0.003	ng/m ³	V0
Acridine	0.001	0.001	ng/m ³	V0
Fluoranthene	0.001	0.004	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	-8888	ng/m ³	V1
Chrysene	0.001	-8888	ng/m ³	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-03-06 00:00	Loc ID:	BGFM
		End Date:	2022-03-07 00:00
		Set Index:	1
		WBEA ID:	220300770
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		2.3	°C	
Pressure		739.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.9	ng/m ³	V0
Acenaphthylene	0.001	3.95	ng/m ³	V0
Acenaphthene	0.001	3.70	ng/m ³	V0
Fluorene	0.001	1.56	ng/m ³	V0
Phenanthrene	0.001	2.67	ng/m ³	V0
Anthracene	0.001	0.388	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.254	ng/m ³	V0
Pyrene	0.001	0.261	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.237	ng/m ³	V0
Chrysene	0.001	0.250	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.069	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.069	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.019	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-03-06 00:00	Loc ID:	BGFM
		End Date:	2022-03-07 00:00
		Set Index:	2
		WBEA ID:	220300777
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		2.3	°C	
Pressure		739.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.6	ng/m ³	V0
Acenaphthylene	0.001	3.84	ng/m ³	V0
Acenaphthene	0.001	3.98	ng/m ³	V0
Fluorene	0.001	1.50	ng/m ³	V0
Phenanthrene	0.001	2.90	ng/m ³	V0
Anthracene	0.001	0.448	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.259	ng/m ³	V0
Pyrene	0.001	0.252	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.252	ng/m ³	V0
Chrysene	0.001	0.284	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.079	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.077	ng/m ³	V0
Benzo(a)pyrene	0.001	0.049	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-03-06 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-07 00:00

Set Index: 1
WBEA ID: 220300829
Duration: 24.0 hr

Notes

Small tear in filter upon deployment of sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-3.7	°C	
Pressure		729.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.75	ng/m ³	V0
Acenaphthylene	0.001	1.91	ng/m ³	V0
Acenaphthene	0.001	0.452	ng/m ³	V0
Fluorene	0.001	0.576	ng/m ³	V0
Phenanthrene	0.001	1.74	ng/m ³	V0
Anthracene	0.001	0.313	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.354	ng/m ³	V0
Pyrene	0.001	0.297	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.082	ng/m ³	V0
Chrysene	0.001	0.091	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.049	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.049	ng/m ³	V0
Benzo(a)pyrene	0.001	0.042	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-03-06 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-07 00:00

Set Index: 1
WBEA ID: 220300823
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.6	°C	
Pressure		742.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.3	ng/m ³	V0
Acenaphthylene	0.001	4.36	ng/m ³	V0
Acenaphthene	0.001	1.16	ng/m ³	V0
Fluorene	0.001	1.45	ng/m ³	V0
Phenanthrene	0.001	4.66	ng/m ³	V0
Anthracene	0.001	0.808	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.801	ng/m ³	V0
Pyrene	0.001	1.10	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.079	ng/m ³	V0
Chrysene	0.001	0.300	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.145	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.145	ng/m ³	V0
Benzo(a)pyrene	0.001	0.055	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-03-06 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-03-07 00:00

Set Index: 1
WBEA ID: 220300816
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.4	°C	
Pressure		719.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.0	ng/m ³	V0
Acenaphthylene	0.001	2.84	ng/m ³	V0
Acenaphthene	0.001	1.58	ng/m ³	V0
Fluorene	0.001	1.10	ng/m ³	V0
Phenanthrene	0.001	1.61	ng/m ³	V0
Anthracene	0.001	0.214	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.249	ng/m ³	V0
Pyrene	0.001	0.179	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.055	ng/m ³	V0
Chrysene	0.001	0.061	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.020	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300800
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.1	°C	
Pressure		714.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	24.8	ng/m ³	V0
Acenaphthylene	0.001	6.23	ng/m ³	V0
Acenaphthene	0.001	0.917	ng/m ³	V0
Fluorene	0.001	1.80	ng/m ³	V0
Phenanthrene	0.001	8.18	ng/m ³	V0
Anthracene	0.001	1.15	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	1.66	ng/m ³	V0
Pyrene	0.001	1.62	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.427	ng/m ³	V0
Chrysene	0.001	0.474	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.254	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.254	ng/m ³	V0
Benzo(a)pyrene	0.001	0.090	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220300806
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.2	°C	
Pressure		721.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.87	ng/m ³	V0
Acenaphthylene	0.001	2.04	ng/m ³	V0
Acenaphthene	0.001	0.351	ng/m ³	V0
Fluorene	0.001	0.439	ng/m ³	V0
Phenanthrene	0.001	0.904	ng/m ³	V0
Anthracene	0.001	0.126	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.257	ng/m ³	V0
Pyrene	0.001	0.219	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.044	ng/m ³	V0
Chrysene	0.001	0.049	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.026	ng/m ³	V0
Benzo(a)pyrene	0.001	0.045	ng/m ³	V0
3-Methylcholanthrene	0.001	0.014	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300782
Start Date:	2022-03-06 00:00	End Date:	2022-03-07 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-8.1	°C	
Pressure		736.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.59	ng/m ³	V0
Acenaphthylene	0.001	1.72	ng/m ³	V0
Acenaphthene	0.001	1.87	ng/m ³	V0
Fluorene	0.001	0.897	ng/m ³	V0
Phenanthrene	0.001	1.45	ng/m ³	V0
Anthracene	0.001	0.527	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.088	ng/m ³	V0
Pyrene	0.001	0.136	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.091	ng/m ³	V0
Chrysene	0.001	0.030	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m ³	V0
Benzo(a)pyrene	0.001	0.032	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300843	
Start Date:	2022-03-07 13:40	End Date:	2022-03-07 13:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.235	ng/m ³	V0
Acenaphthylene	0.001	0.152	ng/m ³	V0
Acenaphthene	0.001	0.235	ng/m ³	V0
Fluorene	0.001	0.128	ng/m ³	V0
Phenanthrene	0.001	0.117	ng/m ³	V0
Anthracene	0.001	0.040	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.016	ng/m ³	V0
Pyrene	0.001	0.011	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benz(a)anthracene	0.001	0.009	ng/m ³	V0
Chrysene	0.001	0.013	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier		Loc ID:	JANV	WBEA ID:	220300881
Start Date:	2022-03-10 16:25		End Date:	2022-03-10 16:26	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.193	ng/m ³	V0
Acenaphthylene	0.001	0.078	ng/m ³	V0
Acenaphthene	0.001	0.071	ng/m ³	V0
Fluorene	0.001	0.040	ng/m ³	V0
Phenanthrene	0.001	0.024	ng/m ³	V0
Anthracene	0.001	0.008	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.005	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Bertha Ganter - Fort McKay
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300844
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		727.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.6	ng/m ³	V0
Acenaphthylene	0.001	5.08	ng/m ³	V0
Acenaphthene	0.001	2.73	ng/m ³	V0
Fluorene	0.001	1.16	ng/m ³	V0
Phenanthrene	0.001	2.44	ng/m ³	V0
Anthracene	0.001	0.348	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.211	ng/m ³	V0
Pyrene	0.001	0.210	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.237	ng/m ³	V0
Chrysene	0.001	0.263	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.050	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.050	ng/m ³	V0
Benzo(a)pyrene	0.001	0.040	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-03-12 00:00	Loc ID:	BGFM
		End Date:	2022-03-13 00:00
		Set Index:	2
		WBEA ID:	220300845
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-10.0	°C	
Pressure		727.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.1	ng/m ³	V0
Acenaphthylene	0.001	5.50	ng/m ³	V0
Acenaphthene	0.001	2.82	ng/m ³	V0
Fluorene	0.001	1.24	ng/m ³	V0
Phenanthrene	0.001	2.37	ng/m ³	V0
Anthracene	0.001	0.363	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.202	ng/m ³	V0
Pyrene	0.001	0.206	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.247	ng/m ³	V0
Chrysene	0.001	0.274	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.051	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.052	ng/m ³	V0
Benzo(a)pyrene	0.001	0.042	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300900
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.1	ng/m ³	V0
Acenaphthylene	0.001	2.93	ng/m ³	V0
Acenaphthene	0.001	0.950	ng/m ³	V0
Fluorene	0.001	1.17	ng/m ³	V0
Phenanthrene	0.001	1.92	ng/m ³	V0
Anthracene	0.001	0.478	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.263	ng/m ³	V0
Pyrene	0.001	0.255	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.203	ng/m ³	V0
Chrysene	0.001	0.116	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.062	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.062	ng/m ³	V0
Benzo(a)pyrene	0.001	0.049	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300894
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.5	°C	
Pressure		730.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	34.6	ng/m ³	V0
Acenaphthylene	0.001	3.75	ng/m ³	V0
Acenaphthene	0.001	2.10	ng/m ³	V0
Fluorene	0.001	1.94	ng/m ³	V0
Phenanthrene	0.001	4.17	ng/m ³	V0
Anthracene	0.001	0.558	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.540	ng/m ³	V0
Pyrene	0.001	0.753	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.119	ng/m ³	V0
Chrysene	0.001	0.132	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.157	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.157	ng/m ³	V0
Benzo(a)pyrene	0.001	0.085	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220300888
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.0	°C	
Pressure		708.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.63	ng/m ³	V0
Acenaphthylene	0.001	1.86	ng/m ³	V0
Acenaphthene	0.001	1.28	ng/m ³	V0
Fluorene	0.001	1.02	ng/m ³	V0
Phenanthrene	0.001	1.24	ng/m ³	V0
Anthracene	0.001	0.180	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.102	ng/m ³	V0
Pyrene	0.001	0.077	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m ³	V0
Benzo(a)anthracene	0.001	0.043	ng/m ³	V0
Chrysene	0.001	0.048	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.033	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.033	ng/m ³	V0
Benzo(a)pyrene	0.001	0.057	ng/m ³	V0
3-Methylcholanthrene	0.001	0.017	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300874
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.1	°C	
Pressure		701.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.3	ng/m ³	V0
Acenaphthylene	0.001	3.92	ng/m ³	V0
Acenaphthene	0.001	0.334	ng/m ³	V0
Fluorene	0.001	0.765	ng/m ³	V0
Phenanthrene	0.001	2.12	ng/m ³	V0
Anthracene	0.001	0.448	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.352	ng/m ³	V0
Pyrene	0.001	0.303	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.072	ng/m ³	V0
Chrysene	0.001	0.079	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.019	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.027	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.027	ng/m ³	V0
Benzo(a)pyrene	0.001	0.036	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.026	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-03-12 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-03-13 00:00

Set Index: 1
WBEA ID: 220300882
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.6	°C	
Pressure		708.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.8	ng/m ³	V0
Acenaphthylene	0.001	4.72	ng/m ³	V0
Acenaphthene	0.001	1.12	ng/m ³	V0
Fluorene	0.001	0.768	ng/m ³	V0
Phenanthrene	0.001	0.943	ng/m ³	V0
Anthracene	0.001	0.161	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.125	ng/m ³	V0
Pyrene	0.001	0.112	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.047	ng/m ³	V0
Chrysene	0.001	0.052	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m ³	V0
Benzo(a)pyrene	0.001	0.047	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220300850
Start Date:	2022-03-12 00:00	End Date:	2022-03-13 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-15.0	°C	
Pressure		728.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.68	ng/m ³	V0
Acenaphthylene	0.001	1.65	ng/m ³	V0
Acenaphthene	0.001	0.495	ng/m ³	V0
Fluorene	0.001	0.810	ng/m ³	V0
Phenanthrene	0.001	1.58	ng/m ³	V0
Anthracene	0.001	0.388	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.129	ng/m ³	V0
Pyrene	0.001	0.206	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.115	ng/m ³	V0
Chrysene	0.001	0.122	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.043	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.043	ng/m ³	V0
Benzo(a)pyrene	0.001	0.033	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300945	
Start Date:	2022-03-16 12:05	End Date:	2022-03-16 12:06	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.197	ng/m ³	V0
Acenaphthylene	0.001	0.103	ng/m ³	V0
Acenaphthene	0.001	0.196	ng/m ³	V0
Fluorene	0.001	0.097	ng/m ³	V0
Phenanthrene	0.001	0.116	ng/m ³	V0
Anthracene	0.001	0.030	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.013	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes		Loc ID:	PATM	WBEA ID:	220300972
Start Date:	2022-03-17 11:05		End Date:	2022-03-17 11:06	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.173	ng/m ³	V0
Acenaphthylene	0.001	0.067	ng/m ³	V0
Acenaphthene	0.001	0.056	ng/m ³	V0
Fluorene	0.001	0.039	ng/m ³	V0
Phenanthrene	0.001	0.036	ng/m ³	V0
Anthracene	0.001	0.011	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300946
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		5.8	°C	
Pressure		729.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.7	ng/m ³	V0
Acenaphthylene	0.001	5.43	ng/m ³	V0
Acenaphthene	0.001	4.96	ng/m ³	V0
Fluorene	0.001	3.08	ng/m ³	V0
Phenanthrene	0.001	6.53	ng/m ³	V0
Anthracene	0.001	0.611	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.307	ng/m ³	V0
Pyrene	0.001	0.359	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.242	ng/m ³	V0
Chrysene	0.001	0.274	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.078	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.074	ng/m ³	V0
Benzo(a)pyrene	0.001	0.053	ng/m ³	V0
3-Methylcholanthrene	0.001	0.014	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.019	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 2
Start Date:	2022-03-18 00:00	Loc ID: BGFM	WBEA ID: 220300957
		End Date: 2022-03-19 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		5.8	°C	
Pressure		729.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.2	ng/m ³	V0
Acenaphthylene	0.001	5.80	ng/m ³	V0
Acenaphthene	0.001	4.93	ng/m ³	V0
Fluorene	0.001	2.86	ng/m ³	V0
Phenanthrene	0.001	6.47	ng/m ³	V0
Anthracene	0.001	0.648	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.360	ng/m ³	V0
Pyrene	0.001	0.394	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.251	ng/m ³	V0
Chrysene	0.001	0.282	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.093	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.093	ng/m ³	V0
Benzo(a)pyrene	0.001	0.055	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-03-18 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-19 00:00

Set Index: 1
WBEA ID: 220300973
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.6	°C	
Pressure		719.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.8	ng/m ³	V0
Acenaphthylene	0.001	3.26	ng/m ³	V0
Acenaphthene	0.001	1.23	ng/m ³	V0
Fluorene	0.001	1.03	ng/m ³	V0
Phenanthrene	0.001	2.62	ng/m ³	V0
Anthracene	0.001	0.364	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.605	ng/m ³	V0
Pyrene	0.001	0.616	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.130	ng/m ³	V0
Chrysene	0.001	0.144	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.097	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.097	ng/m ³	V0
Benzo(a)pyrene	0.001	0.060	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.025	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220300985
Start Date:	2022-03-18 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-03-19 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		2.6	°C	
Pressure		731.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.2	ng/m ³	V0
Acenaphthylene	0.001	3.78	ng/m ³	V0
Acenaphthene	0.001	0.964	ng/m ³	V0
Fluorene	0.001	1.39	ng/m ³	V0
Phenanthrene	0.001	3.93	ng/m ³	V0
Anthracene	0.001	0.729	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.771	ng/m ³	V0
Pyrene	0.001	0.919	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.219	ng/m ³	V0
Chrysene	0.001	0.243	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.129	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.129	ng/m ³	V0
Benzo(a)pyrene	0.001	0.078	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-03-18 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-03-19 00:00

Set Index: 1
WBEA ID: 220300979
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.2	°C	
Pressure		710.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.6	ng/m ³	V0
Acenaphthylene	0.001	5.59	ng/m ³	V0
Acenaphthene	0.001	8.07	ng/m ³	V0
Fluorene	0.001	8.62	ng/m ³	V4
Phenanthrene	0.001	6.78	ng/m ³	V0
Anthracene	0.001	0.778	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.455	ng/m ³	V0
Pyrene	0.001	0.215	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.069	ng/m ³	V0
Chrysene	0.001	0.077	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.032	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.032	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.029	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220300923
Start Date:	2022-03-18 00:00	End Date:	2022-03-19 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.2	°C	
Pressure		704.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	31.3	ng/m ³	V0
Acenaphthylene	0.001	3.41	ng/m ³	V0
Acenaphthene	0.001	3.99	ng/m ³	V0
Fluorene	0.001	2.59	ng/m ³	V0
Phenanthrene	0.001	6.08	ng/m ³	V0
Anthracene	0.001	1.05	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.748	ng/m ³	V0
Pyrene	0.001	0.877	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.228	ng/m ³	V0
Chrysene	0.001	0.253	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.103	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.103	ng/m ³	V0
Benzo(a)pyrene	0.001	0.085	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.024	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-03-18 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-03-19 00:00

Set Index: 1
WBEA ID: 220300910
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.8	°C	
Pressure		711.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.7	ng/m ³	V0
Acenaphthylene	0.001	7.76	ng/m ³	V0
Acenaphthene	0.001	1.13	ng/m ³	V0
Fluorene	0.001	3.18	ng/m ³	V0
Phenanthrene	0.001	9.65	ng/m ³	V0
Anthracene	0.001	1.70	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.985	ng/m ³	V0
Pyrene	0.001	0.930	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.155	ng/m ³	V0
Chrysene	0.001	0.172	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.055	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.055	ng/m ³	V0
Benzo(a)pyrene	0.001	0.096	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220300918
Start Date:	2022-03-18 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-03-19 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-2.2	°C	
Pressure		736.6	mmHg	
Sample Volume		326	m ³	V6
Naphthalene	0.001	5.90	ng/m ³	V0
Acenaphthylene	0.001	1.05	ng/m ³	V0
Acenaphthene	0.001	0.417	ng/m ³	V0
Fluorene	0.001	0.577	ng/m ³	V0
Phenanthrene	0.001	1.12	ng/m ³	V0
Anthracene	0.001	0.215	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.220	ng/m ³	V0
Pyrene	0.001	0.198	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.099	ng/m ³	V0
Chrysene	0.001	0.110	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.018	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301026	
Start Date:	2022-03-22 12:45	End Date:	2022-03-22 12:46	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.240	ng/m ³	V0
Acenaphthylene	0.001	0.150	ng/m ³	V0
Acenaphthene	0.001	0.175	ng/m ³	V0
Fluorene	0.001	0.095	ng/m ³	V0
Phenanthrene	0.001	0.125	ng/m ³	V0
Anthracene	0.001	0.043	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.013	ng/m ³	V0
Pyrene	0.001	0.012	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.010	ng/m ³	V0
Chrysene	0.001	0.008	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley		Loc ID:	ATHV	WBEA ID:	220301070
Start Date:	2022-03-23 15:05		End Date:	2022-03-23 15:06	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.142	ng/m ³	V0
Acenaphthylene	0.001	0.040	ng/m ³	V0
Acenaphthene	0.001	0.033	ng/m ³	V0
Fluorene	0.001	0.015	ng/m ³	V0
Phenanthrene	0.001	0.020	ng/m ³	V0
Anthracene	0.001	0.007	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.002	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.001	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m ³	V1
Benzo(b)fluoranthene	0.001	0.002	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301027
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-2.3	°C	
Pressure		741.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.7	ng/m ³	V0
Acenaphthylene	0.001	3.02	ng/m ³	V0
Acenaphthene	0.001	2.17	ng/m ³	V0
Fluorene	0.001	1.21	ng/m ³	V0
Phenanthrene	0.001	1.95	ng/m ³	V0
Anthracene	0.001	0.511	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.248	ng/m ³	V0
Pyrene	0.001	0.242	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.223	ng/m ³	V0
Chrysene	0.001	0.248	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.054	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.054	ng/m ³	V0
Benzo(a)pyrene	0.001	0.061	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220301057
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-7.9	°C	
Pressure		730.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.1	ng/m ³	V0
Acenaphthylene	0.001	1.81	ng/m ³	V0
Acenaphthene	0.001	1.53	ng/m ³	V0
Fluorene	0.001	0.705	ng/m ³	V0
Phenanthrene	0.001	2.03	ng/m ³	V0
Anthracene	0.001	0.285	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.221	ng/m ³	V0
Pyrene	0.001	0.338	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.173	ng/m ³	V0
Chrysene	0.001	0.192	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.064	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.064	ng/m ³	V0
Benzo(a)pyrene	0.001	0.060	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-03-24 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-25 00:00

Set Index: 2
WBEA ID: 220301058
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.9	°C	
Pressure		730.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.83	ng/m ³	V0
Acenaphthylene	0.001	1.92	ng/m ³	V0
Acenaphthene	0.001	1.41	ng/m ³	V0
Fluorene	0.001	0.789	ng/m ³	V0
Phenanthrene	0.001	1.90	ng/m ³	V0
Anthracene	0.001	0.291	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.212	ng/m ³	V0
Pyrene	0.001	0.337	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.170	ng/m ³	V0
Chrysene	0.001	0.188	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.068	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.068	ng/m ³	V0
Benzo(a)pyrene	0.001	0.056	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220301071
Start Date:	2022-03-24 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-03-25 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-5.9	°C	
Pressure		742.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.57	ng/m ³	V0
Acenaphthylene	0.001	2.89	ng/m ³	V0
Acenaphthene	0.001	1.13	ng/m ³	V0
Fluorene	0.001	0.508	ng/m ³	V0
Phenanthrene	0.001	1.32	ng/m ³	V0
Anthracene	0.001	0.195	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.115	ng/m ³	V0
Pyrene	0.001	0.181	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.144	ng/m ³	V0
Chrysene	0.001	0.160	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.056	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.056	ng/m ³	V0
Benzo(a)pyrene	0.001	0.063	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301064
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.6	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.39	ng/m ³	V0
Acenaphthylene	0.001	1.64	ng/m ³	V0
Acenaphthene	0.001	3.33	ng/m ³	V0
Fluorene	0.001	1.71	ng/m ³	V0
Phenanthrene	0.001	2.03	ng/m ³	V0
Anthracene	0.001	0.559	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.141	ng/m ³	V0
Pyrene	0.001	0.142	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.154	ng/m ³	V0
Chrysene	0.001	0.077	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.046	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.046	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-03-24 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-03-25 00:00

Set Index: 1
WBEA ID: 220301002
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.8	°C	
Pressure		711.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	3.07	ng/m ³	V0
Acenaphthylene	0.001	3.12	ng/m ³	V0
Acenaphthene	0.001	3.25	ng/m ³	V0
Fluorene	0.001	2.06	ng/m ³	V0
Phenanthrene	0.001	3.71	ng/m ³	V0
Anthracene	0.001	0.509	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.576	ng/m ³	V0
Pyrene	0.001	0.382	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.079	ng/m ³	V0
Chrysene	0.001	0.088	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.017	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m ³	V0
Benzo(a)pyrene	0.001	0.021	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220301036
Start Date:	2022-03-24 00:00	End Date:	2022-03-25 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.4	°C	
Pressure		719.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	2.43	ng/m ³	V0
Acenaphthylene	0.001	1.10	ng/m ³	V0
Acenaphthene	0.001	0.814	ng/m ³	V0
Fluorene	0.001	0.628	ng/m ³	V0
Phenanthrene	0.001	0.820	ng/m ³	V0
Anthracene	0.001	0.091	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.100	ng/m ³	V0
Pyrene	0.001	0.088	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.033	ng/m ³	V0
Chrysene	0.001	0.037	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.016	ng/m ³	V0
Benzo(a)pyrene	0.001	0.016	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-03-24 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-03-25 00:00

Set Index: 1
WBEA ID: 220300991
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		739.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.91	ng/m ³	V0
Acenaphthylene	0.001	2.13	ng/m ³	V0
Acenaphthene	0.001	0.404	ng/m ³	V0
Fluorene	0.001	0.392	ng/m ³	V0
Phenanthrene	0.001	0.975	ng/m ³	V0
Anthracene	0.001	0.108	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.180	ng/m ³	V0
Pyrene	0.001	0.174	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.075	ng/m ³	V0
Chrysene	0.001	0.083	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.030	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.030	ng/m ³	V0
Benzo(a)pyrene	0.001	0.039	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301114	
Start Date:	2022-03-25 12:45	End Date:	2022-03-25 12:46	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.180	ng/m ³	V0
Acenaphthylene	0.001	0.124	ng/m ³	V0
Acenaphthene	0.001	0.147	ng/m ³	V0
Fluorene	0.001	0.055	ng/m ³	V0
Phenanthrene	0.001	0.059	ng/m ³	V0
Anthracene	0.001	0.022	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220301136
Start Date:	2022-03-29 00:00	End Date:	2022-03-29 00:01	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.097	ng/m ³	V0
Acenaphthylene	0.001	0.028	ng/m ³	V0
Acenaphthene	0.001	0.026	ng/m ³	V0
Fluorene	0.001	0.024	ng/m ³	V0
Phenanthrene	0.001	0.016	ng/m ³	V0
Anthracene	0.001	0.004	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.003	ng/m ³	V0
Pyrene	0.001	0.002	ng/m ³	V0
Benzo(c)phenanthrene	0.001	-8888	ng/m ³	V1
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Bertha Ganter - Fort McKay
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-03-31 00:00

Set Index: 1
WBEA ID: 220301115
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.2	°C	
Pressure		730.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.40	ng/m ³	V0
Acenaphthylene	0.001	5.02	ng/m ³	V0
Acenaphthene	0.001	4.18	ng/m ³	V0
Fluorene	0.001	1.17	ng/m ³	V0
Phenanthrene	0.001	4.03	ng/m ³	V0
Anthracene	0.001	0.534	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	0.358	ng/m ³	V0
Pyrene	0.001	0.518	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.096	ng/m ³	V0
Chrysene	0.001	0.073	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.077	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.077	ng/m ³	V0
Benzo(a)pyrene	0.001	0.047	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-31 00:00

Set Index: 1
WBEA ID: 220301084
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.3	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.52	ng/m ³	V0
Acenaphthylene	0.001	4.40	ng/m ³	V0
Acenaphthene	0.001	2.82	ng/m ³	V0
Fluorene	0.001	1.66	ng/m ³	V0
Phenanthrene	0.001	2.71	ng/m ³	V0
Anthracene	0.001	0.345	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.538	ng/m ³	V0
Pyrene	0.001	0.704	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.289	ng/m ³	V0
Chrysene	0.001	0.365	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.121	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.121	ng/m ³	V0
Benzo(a)pyrene	0.001	0.074	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.060	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.037	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.055	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-03-31 00:00

Set Index: 2
WBEA ID: 220301085
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.3	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.43	ng/m ³	V0
Acenaphthylene	0.001	4.45	ng/m ³	V0
Acenaphthene	0.001	2.80	ng/m ³	V0
Fluorene	0.001	1.59	ng/m ³	V0
Phenanthrene	0.001	2.74	ng/m ³	V0
Anthracene	0.001	0.367	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.490	ng/m ³	V0
Pyrene	0.001	0.667	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.278	ng/m ³	V0
Chrysene	0.001	0.378	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.119	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.119	ng/m ³	V0
Benzo(a)pyrene	0.001	0.074	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.063	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.036	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.050	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.017	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-03-31 00:00

Set Index: 1
WBEA ID: 220301103
Duration: 24.0 hr

Notes

This PAH cartridge (WBEAPAH060) might have to be retired/repaired. I could only loosen/tighten one of the black plastic tighteners and the metal threads are bent.
Could not completely attached the metal protective plate due to the tighteners and metal threads being broken/bent.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.1	°C	
Pressure		731.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.0	ng/m ³	V0
Acenaphthylene	0.001	2.88	ng/m ³	V0
Acenaphthene	0.001	1.75	ng/m ³	V0
Fluorene	0.001	0.980	ng/m ³	V0
Phenanthrene	0.001	2.89	ng/m ³	V0
Anthracene	0.001	0.465	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	0.313	ng/m ³	V0
Pyrene	0.001	0.463	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.133	ng/m ³	V0
Chrysene	0.001	0.232	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.080	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.080	ng/m ³	V0
Benzo(a)pyrene	0.001	0.093	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.040	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.045	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.118	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.018	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-03-31 00:00

Set Index: 1
WBEA ID: 220301091
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.5	°C	
Pressure		709.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	26.6	ng/m ³	V0
Acenaphthylene	0.001	11.5	ng/m ³	V0
Acenaphthene	0.001	22.6	ng/m ³	V0
Fluorene	0.001	13.5	ng/m ³	V0
Phenanthrene	0.001	12.7	ng/m ³	V0
Anthracene	0.001	1.44	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	1.06	ng/m ³	V0
Pyrene	0.001	0.408	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.192	ng/m ³	V0
Chrysene	0.001	0.080	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.045	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.045	ng/m ³	V0
Benzo(a)pyrene	0.001	0.043	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.033	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220301150
Start Date:	2022-03-30 00:00	End Date:	2022-03-31 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.0	°C	
Pressure		702.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.2	ng/m ³	V0
Acenaphthylene	0.001	12.5	ng/m ³	V0
Acenaphthene	0.001	8.54	ng/m ³	V0
Fluorene	0.001	5.08	ng/m ³	V0
Phenanthrene	0.001	6.90	ng/m ³	V0
Anthracene	0.001	0.710	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.649	ng/m ³	V0
Pyrene	0.001	2.67	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.304	ng/m ³	V0
Chrysene	0.001	0.226	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.212	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.211	ng/m ³	V0
Benzo(a)pyrene	0.001	0.058	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.028	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-03-30 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-03-31 00:00

Set Index: 1
WBEA ID: 220301156
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.0	°C	
Pressure		710.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.56	ng/m ³	V0
Acenaphthylene	0.001	0.513	ng/m ³	V0
Acenaphthene	0.001	0.343	ng/m ³	V0
Fluorene	0.001	0.311	ng/m ³	V0
Phenanthrene	0.001	0.710	ng/m ³	V0
Anthracene	0.001	0.042	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.150	ng/m ³	V0
Pyrene	0.001	0.149	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.072	ng/m ³	V0
Chrysene	0.001	0.054	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.075	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.075	ng/m ³	V0
Benzo(a)pyrene	0.001	0.016	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220301195
Start Date:	2022-03-31 09:15	End Date:	2022-03-31 09:16	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.176	ng/m ³	V0
Acenaphthylene	0.001	0.040	ng/m ³	V0
Acenaphthene	0.001	0.060	ng/m ³	V0
Fluorene	0.001	0.019	ng/m ³	V0
Phenanthrene	0.001	0.041	ng/m ³	V0
Anthracene	0.001	0.012	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.003	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.001	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401229	
Start Date:	2022-04-01 13:45	End Date:	2022-04-01 13:46	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.150	ng/m ³	V0
Acenaphthylene	0.001	0.104	ng/m ³	V0
Acenaphthene	0.001	0.106	ng/m ³	V0
Fluorene	0.001	0.070	ng/m ³	V0
Phenanthrene	0.001	0.056	ng/m ³	V0
Anthracene	0.001	0.019	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.003	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-04-05 00:00	Loc ID: BGFM	WBEA ID: 220401230
		End Date: 2022-04-06 00:00	Duration: 24.0 hr

Notes

Power outage caused short sampling duration and low sample volume.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		8.6	°C	
Pressure		727.9	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	10.2	ng/m ³	V0
Acenaphthylene	0.001	3.65	ng/m ³	V0
Acenaphthene	0.001	2.10	ng/m ³	V0
Fluorene	0.001	0.958	ng/m ³	V0
Phenanthrene	0.001	2.93	ng/m ³	V0
Anthracene	0.001	0.363	ng/m ³	V0
Acridine	0.001	0.015	ng/m ³	V0
Fluoranthene	0.001	0.224	ng/m ³	V0
Pyrene	0.001	0.185	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.152	ng/m ³	V0
Chrysene	0.001	0.112	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.075	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.075	ng/m ³	V0
Benzo(a)pyrene	0.001	0.044	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220301187
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C	
Pressure		719.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.40	ng/m ³	V0
Acenaphthylene	0.001	2.75	ng/m ³	V0
Acenaphthene	0.001	1.05	ng/m ³	V0
Fluorene	0.001	0.588	ng/m ³	V0
Phenanthrene	0.001	0.890	ng/m ³	V0
Anthracene	0.001	0.118	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.126	ng/m ³	V0
Pyrene	0.001	0.240	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.055	ng/m ³	V0
Chrysene	0.001	0.041	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.115	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.115	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.031	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-04-06 00:00

Set Index: 2
WBEA ID: 220301188
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.1	°C	
Pressure		719.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.53	ng/m ³	V0
Acenaphthylene	0.001	2.47	ng/m ³	V0
Acenaphthene	0.001	1.05	ng/m ³	V0
Fluorene	0.001	0.523	ng/m ³	V0
Phenanthrene	0.001	0.830	ng/m ³	V0
Anthracene	0.001	0.120	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.134	ng/m ³	V0
Pyrene	0.001	0.213	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.054	ng/m ³	V0
Chrysene	0.001	0.040	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.117	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.117	ng/m ³	V0
Benzo(a)pyrene	0.001	0.033	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.034	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220301198
Start Date:	2022-04-05 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-04-06 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		3.4	°C	
Pressure		729.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.9	ng/m ³	V0
Acenaphthylene	0.001	7.33	ng/m ³	V0
Acenaphthene	0.001	1.49	ng/m ³	V0
Fluorene	0.001	4.04	ng/m ³	V0
Phenanthrene	0.001	12.5	ng/m ³	V0
Anthracene	0.001	1.56	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	3.57	ng/m ³	V0
Pyrene	0.001	4.14	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.646	ng/m ³	V0
Chrysene	0.001	0.619	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.08	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.08	ng/m ³	V0
Benzo(a)pyrene	0.001	0.076	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.026	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220301194
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.8	°C	
Pressure		706.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.89	ng/m ³	V0
Acenaphthylene	0.001	3.65	ng/m ³	V0
Acenaphthene	0.001	1.98	ng/m ³	V0
Fluorene	0.001	1.23	ng/m ³	V0
Phenanthrene	0.001	1.60	ng/m ³	V0
Anthracene	0.001	0.112	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.209	ng/m ³	V0
Pyrene	0.001	0.108	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.009	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.096	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.096	ng/m ³	V0
Benzo(a)pyrene	0.001	0.015	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401246
Start Date:	2022-04-05 00:00	End Date:	2022-04-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C	
Pressure		700.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.6	ng/m ³	V0
Acenaphthylene	0.001	2.44	ng/m ³	V0
Acenaphthene	0.001	1.38	ng/m ³	V0
Fluorene	0.001	1.23	ng/m ³	V0
Phenanthrene	0.001	2.64	ng/m ³	V0
Anthracene	0.001	0.303	ng/m ³	V0
Acridine	0.001	0.015	ng/m ³	V0
Fluoranthene	0.001	0.385	ng/m ³	V0
Pyrene	0.001	0.322	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.029	ng/m ³	V0
Chrysene	0.001	0.053	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.251	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.251	ng/m ³	V0
Benzo(a)pyrene	0.001	0.021	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220401253
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C	
Pressure		708.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.29	ng/m ³	V0
Acenaphthylene	0.001	1.49	ng/m ³	V0
Acenaphthene	0.001	0.263	ng/m ³	V0
Fluorene	0.001	0.392	ng/m ³	V0
Phenanthrene	0.001	0.759	ng/m ³	V0
Anthracene	0.001	0.102	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.111	ng/m ³	V0
Pyrene	0.001	0.102	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.018	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.208	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.208	ng/m ³	V0
Benzo(a)pyrene	0.001	0.025	ng/m ³	V0
3-Methylcholanthrene	0.001	0.016	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-04-05 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-04-06 00:00

Set Index: 1
WBEA ID: 220401238
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.5	°C	
Pressure		725.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	3.43	ng/m ³	V0
Acenaphthylene	0.001	1.58	ng/m ³	V0
Acenaphthene	0.001	0.560	ng/m ³	V0
Fluorene	0.001	0.391	ng/m ³	V0
Phenanthrene	0.001	0.265	ng/m ³	V0
Anthracene	0.001	0.032	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.018	ng/m ³	V0
Pyrene	0.001	0.023	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.022	ng/m ³	V0
Chrysene	0.001	0.016	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.017	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m ³	V0
Benzo(a)pyrene	0.001	0.014	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401282
Start Date:	2022-04-07 13:20	End Date:	2022-04-07 13:21	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.147	ng/m ³	V0
Acenaphthylene	0.001	0.064	ng/m ³	V0
Acenaphthene	0.001	0.037	ng/m ³	V0
Fluorene	0.001	0.012	ng/m ³	V0
Phenanthrene	0.001	0.047	ng/m ³	V0
Anthracene	0.001	0.016	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.005	ng/m ³	V0
Pyrene	0.001	0.003	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	-8888	ng/m ³	V1
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401332	
Start Date:	2022-04-08 12:20	End Date:	2022-04-08 12:21	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.132	ng/m ³	V0
Acenaphthylene	0.001	0.099	ng/m ³	V0
Acenaphthene	0.001	0.112	ng/m ³	V0
Fluorene	0.001	0.075	ng/m ³	V0
Phenanthrene	0.001	0.074	ng/m ³	V0
Anthracene	0.001	0.016	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.006	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.001	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401333
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-6.7	°C	
Pressure		739.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.3	ng/m ³	V0
Acenaphthylene	0.001	6.82	ng/m ³	V0
Acenaphthene	0.001	1.33	ng/m ³	V0
Fluorene	0.001	0.211	ng/m ³	V0
Phenanthrene	0.001	1.60	ng/m ³	V0
Anthracene	0.001	0.159	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	0.125	ng/m ³	V0
Pyrene	0.001	0.129	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.179	ng/m ³	V0
Chrysene	0.001	0.131	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.063	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.063	ng/m ³	V0
Benzo(a)pyrene	0.001	0.039	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-04-11 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-04-12 00:00

Set Index: 1
WBEA ID: 220401345
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		730.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.4	ng/m ³	V0
Acenaphthylene	0.001	2.50	ng/m ³	V0
Acenaphthene	0.001	0.895	ng/m ³	V0
Fluorene	0.001	0.649	ng/m ³	V0
Phenanthrene	0.001	2.06	ng/m ³	V0
Anthracene	0.001	0.212	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.334	ng/m ³	V0
Pyrene	0.001	0.435	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.099	ng/m ³	V0
Chrysene	0.001	0.141	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.300	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.300	ng/m ³	V0
Benzo(a)pyrene	0.001	0.076	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.041	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.028	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401347
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		730.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.7	ng/m ³	V0
Acenaphthylene	0.001	2.60	ng/m ³	V0
Acenaphthene	0.001	0.904	ng/m ³	V0
Fluorene	0.001	0.660	ng/m ³	V0
Phenanthrene	0.001	2.16	ng/m ³	V0
Anthracene	0.001	0.259	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	0.358	ng/m ³	V0
Pyrene	0.001	0.420	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m ³	V0
Benzo(a)anthracene	0.001	0.104	ng/m ³	V0
Chrysene	0.001	0.154	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.350	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.350	ng/m ³	V0
Benzo(a)pyrene	0.001	0.081	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.048	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.029	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401307
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

Snow on filter and in PAH housing upon collection.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		717.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.74	ng/m ³	V0
Acenaphthylene	0.001	2.05	ng/m ³	V0
Acenaphthene	0.001	0.568	ng/m ³	V0
Fluorene	0.001	0.569	ng/m ³	V0
Phenanthrene	0.001	0.833	ng/m ³	V0
Anthracene	0.001	0.207	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.284	ng/m ³	V0
Pyrene	0.001	0.274	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.048	ng/m ³	V0
Chrysene	0.001	0.035	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.263	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.263	ng/m ³	V0
Benzo(a)pyrene	0.001	0.037	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401283
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.5	°C	
Pressure		710.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.98	ng/m ³	V0
Acenaphthylene	0.001	1.81	ng/m ³	V0
Acenaphthene	0.001	0.770	ng/m ³	V0
Fluorene	0.001	0.432	ng/m ³	V0
Phenanthrene	0.001	1.27	ng/m ³	V0
Anthracene	0.001	0.178	ng/m ³	V0
Acridine	0.001	0.022	ng/m ³	V0
Fluoranthene	0.001	0.324	ng/m ³	V0
Pyrene	0.001	0.290	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.111	ng/m ³	V0
Chrysene	0.001	0.082	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.229	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.229	ng/m ³	V0
Benzo(a)pyrene	0.001	0.041	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401289
Start Date:	2022-04-11 00:00	End Date:	2022-04-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-9.4	°C	
Pressure		717.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	3.71	ng/m ³	V0
Acenaphthylene	0.001	2.67	ng/m ³	V0
Acenaphthene	0.001	0.436	ng/m ³	V0
Fluorene	0.001	0.084	ng/m ³	V0
Phenanthrene	0.001	0.268	ng/m ³	V0
Anthracene	0.001	0.039	ng/m ³	V0
Acridine	0.001	0.017	ng/m ³	V0
Fluoranthene	0.001	0.083	ng/m ³	V0
Pyrene	0.001	0.044	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.045	ng/m ³	V0
Chrysene	0.001	0.033	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.315	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.315	ng/m ³	V0
Benzo(a)pyrene	0.001	0.028	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-04-11 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-04-12 00:00

Set Index: 1
WBEA ID: 220401271
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		739.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	3.14	ng/m ³	V0
Acenaphthylene	0.001	2.24	ng/m ³	V0
Acenaphthene	0.001	0.777	ng/m ³	V0
Fluorene	0.001	0.280	ng/m ³	V0
Phenanthrene	0.001	0.257	ng/m ³	V0
Anthracene	0.001	0.063	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	0.143	ng/m ³	V0
Pyrene	0.001	0.041	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.030	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.121	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.121	ng/m ³	V0
Benzo(a)pyrene	0.001	0.017	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-04-12 12:30

Samp Use: Field Procedure Blank
Loc ID: JANV
End Date: 2022-04-12 12:31

Set Index: 1
WBEA ID: 220401361
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.149	ng/m ³	V0
Acenaphthylene	0.001	0.078	ng/m ³	V0
Acenaphthene	0.001	0.053	ng/m ³	V0
Fluorene	0.001	0.014	ng/m ³	V0
Phenanthrene	0.001	0.032	ng/m ³	V0
Anthracene	0.001	0.011	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.003	ng/m ³	V0
Pyrene	0.001	0.002	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m ³	V1
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401380	
Start Date:	2022-04-12 15:05	End Date:	2022-04-12 15:06	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.162	ng/m ³	V0
Acenaphthylene	0.001	0.093	ng/m ³	V0
Acenaphthene	0.001	0.128	ng/m ³	V0
Fluorene	0.001	0.070	ng/m ³	V0
Phenanthrene	0.001	0.068	ng/m ³	V0
Anthracene	0.001	0.018	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.004	ng/m ³	V0
Pyrene	0.001	0.003	ng/m ³	V0
Benzo(c)phenanthrene	0.001	-8888	ng/m ³	V1
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401340
Start Date:	2022-04-13 14:00	End Date:	2022-04-14 14:00	Duration:	24.0 hr

Notes

Sample redeployed on a different day due to a faulty motor.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-9.1	°C	
Pressure		749.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.42	ng/m ³	V0
Acenaphthylene	0.001	1.73	ng/m ³	V0
Acenaphthene	0.001	0.609	ng/m ³	V0
Fluorene	0.001	0.364	ng/m ³	V0
Phenanthrene	0.001	1.29	ng/m ³	V0
Anthracene	0.001	0.240	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	0.127	ng/m ³	V0
Pyrene	0.001	0.244	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.113	ng/m ³	V0
Chrysene	0.001	0.249	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.278	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.278	ng/m ³	V0
Benzo(a)pyrene	0.001	0.086	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.060	ng/m ³	V4
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220401400
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		743.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	3.79	ng/m ³	V0
Acenaphthylene	0.001	1.65	ng/m ³	V0
Acenaphthene	0.001	0.622	ng/m ³	V0
Fluorene	0.001	0.249	ng/m ³	V0
Phenanthrene	0.001	0.383	ng/m ³	V0
Anthracene	0.001	0.042	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.104	ng/m ³	V0
Pyrene	0.001	0.127	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.021	ng/m ³	V0
Chrysene	0.001	0.015	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.017	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m ³	V0
Benzo(a)pyrene	0.001	0.012	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220401381
Start Date:	2022-04-17 00:00	Loc ID: BGFM	Duration: 24.0 hr
		End Date: 2022-04-18 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		0.2	°C	
Pressure		743.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.7	ng/m ³	V0
Acenaphthylene	0.001	6.76	ng/m ³	V0
Acenaphthene	0.001	2.83	ng/m ³	V0
Fluorene	0.001	0.839	ng/m ³	V0
Phenanthrene	0.001	3.07	ng/m ³	V0
Anthracene	0.001	0.312	ng/m ³	V0
Acridine	0.001	0.017	ng/m ³	V0
Fluoranthene	0.001	0.163	ng/m ³	V0
Pyrene	0.001	0.136	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.230	ng/m ³	V0
Chrysene	0.001	0.170	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.018	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.084	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.082	ng/m ³	V0
Benzo(a)pyrene	0.001	0.079	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 220401407
Start Date:	2022-04-17 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-04-18 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-1.3	°C	
Pressure		732.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.3	ng/m ³	V0
Acenaphthylene	0.001	2.59	ng/m ³	V0
Acenaphthene	0.001	0.757	ng/m ³	V0
Fluorene	0.001	0.535	ng/m ³	V0
Phenanthrene	0.001	1.73	ng/m ³	V0
Anthracene	0.001	0.181	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.334	ng/m ³	V0
Pyrene	0.001	0.356	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.078	ng/m ³	V0
Chrysene	0.001	0.102	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.375	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.375	ng/m ³	V0
Benzo(a)pyrene	0.001	0.064	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.024	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220401411
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		732.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.5	ng/m ³	V0
Acenaphthylene	0.001	2.33	ng/m ³	V0
Acenaphthene	0.001	0.732	ng/m ³	V0
Fluorene	0.001	0.508	ng/m ³	V0
Phenanthrene	0.001	1.65	ng/m ³	V0
Anthracene	0.001	0.179	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.340	ng/m ³	V0
Pyrene	0.001	0.357	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.081	ng/m ³	V0
Chrysene	0.001	0.110	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.409	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.409	ng/m ³	V0
Benzo(a)pyrene	0.001	0.066	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.025	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220401424
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		0.9	°C	
Pressure		744.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	25.3	ng/m ³	V0
Acenaphthylene	0.001	6.06	ng/m ³	V0
Acenaphthene	0.001	2.31	ng/m ³	V0
Fluorene	0.001	5.90	ng/m ³	V0
Phenanthrene	0.001	9.11	ng/m ³	V0
Anthracene	0.001	2.90	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	2.54	ng/m ³	V0
Pyrene	0.001	3.47	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	1.19	ng/m ³	V4
Chrysene	0.001	0.885	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.82	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.82	ng/m ³	V0
Benzo(a)pyrene	0.001	0.085	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.019	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.013	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401415
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

Small hole observed in filter upon collection of sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.4	°C	
Pressure		721.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.9	ng/m ³	V0
Acenaphthylene	0.001	4.12	ng/m ³	V0
Acenaphthene	0.001	6.72	ng/m ³	V0
Fluorene	0.001	6.30	ng/m ³	V0
Phenanthrene	0.001	5.78	ng/m ³	V0
Anthracene	0.001	0.685	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	0.342	ng/m ³	V0
Pyrene	0.001	0.157	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.051	ng/m ³	V0
Chrysene	0.001	0.038	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.326	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.326	ng/m ³	V0
Benzo(a)pyrene	0.001	0.032	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401356
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		714.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.8	ng/m ³	V0
Acenaphthylene	0.001	4.62	ng/m ³	V0
Acenaphthene	0.001	3.87	ng/m ³	V0
Fluorene	0.001	2.22	ng/m ³	V0
Phenanthrene	0.001	4.45	ng/m ³	V0
Anthracene	0.001	0.746	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.866	ng/m ³	V0
Pyrene	0.001	0.852	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.174	ng/m ³	V0
Chrysene	0.001	0.285	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.497	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.497	ng/m ³	V0
Benzo(a)pyrene	0.001	0.063	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401360
Start Date:	2022-04-17 00:00	End Date:	2022-04-18 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.3	°C	
Pressure		722.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.23	ng/m ³	V0
Acenaphthylene	0.001	0.378	ng/m ³	V0
Acenaphthene	0.001	0.382	ng/m ³	V0
Fluorene	0.001	0.259	ng/m ³	V0
Phenanthrene	0.001	0.680	ng/m ³	V0
Anthracene	0.001	0.083	ng/m ³	V0
Acridine	0.001	0.016	ng/m ³	V0
Fluoranthene	0.001	0.182	ng/m ³	V0
Pyrene	0.001	0.140	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.036	ng/m ³	V0
Chrysene	0.001	0.026	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.295	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.294	ng/m ³	V0
Benzo(a)pyrene	0.001	0.021	ng/m ³	V0
3-Methylcholanthrene	0.001	0.014	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401897	
Start Date:	2022-04-21 12:55	End Date:	2022-04-21 12:56	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.210	ng/m ³	V0
Acenaphthylene	0.001	0.157	ng/m ³	V0
Acenaphthene	0.001	0.162	ng/m ³	V0
Fluorene	0.001	0.072	ng/m ³	V0
Phenanthrene	0.001	0.090	ng/m ³	V0
Anthracene	0.001	0.025	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.007	ng/m ³	V0
Pyrene	0.001	0.010	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.008	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-04-22 12:50

Samp Use: Field Procedure Blank
Loc ID: PATM
End Date: 2022-04-22 12:51

Set Index: 1
WBEA ID: 220401929
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.193	ng/m ³	V0
Acenaphthylene	0.001	0.108	ng/m ³	V0
Acenaphthene	0.001	0.073	ng/m ³	V0
Fluorene	0.001	0.025	ng/m ³	V0
Phenanthrene	0.001	0.031	ng/m ³	V0
Anthracene	0.001	0.016	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.004	ng/m ³	V0
Pyrene	0.001	0.003	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401435
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		1.0	°C	
Pressure		741.0	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	3.83	ng/m ³	V0
Acenaphthylene	0.001	1.96	ng/m ³	V0
Acenaphthene	0.001	0.700	ng/m ³	V0
Fluorene	0.001	0.305	ng/m ³	V0
Phenanthrene	0.001	0.705	ng/m ³	V0
Anthracene	0.001	0.100	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.122	ng/m ³	V0
Pyrene	0.001	0.163	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.031	ng/m ³	V0
Chrysene	0.001	0.023	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.018	ng/m ³	V0
Benzo(a)pyrene	0.001	0.013	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-04-23 00:00	Loc ID:	BGFM
		End Date:	2022-04-24 00:00
		Set Index:	1
		WBEA ID:	220401898
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		6.8	°C	
Pressure		741.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.6	ng/m ³	V0
Acenaphthylene	0.001	5.18	ng/m ³	V0
Acenaphthene	0.001	2.44	ng/m ³	V0
Fluorene	0.001	0.919	ng/m ³	V0
Phenanthrene	0.001	3.60	ng/m ³	V0
Anthracene	0.001	0.370	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	0.115	ng/m ³	V0
Pyrene	0.001	0.152	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.148	ng/m ³	V0
Chrysene	0.001	0.109	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.068	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.073	ng/m ³	V0
Benzo(a)pyrene	0.001	0.064	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401930
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.7	°C	
Pressure		729.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.6	ng/m ³	V0
Acenaphthylene	0.001	2.41	ng/m ³	V0
Acenaphthene	0.001	1.06	ng/m ³	V0
Fluorene	0.001	0.822	ng/m ³	V0
Phenanthrene	0.001	2.33	ng/m ³	V0
Anthracene	0.001	0.298	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.457	ng/m ³	V0
Pyrene	0.001	0.555	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.060	ng/m ³	V0
Chrysene	0.001	0.136	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.333	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.333	ng/m ³	V0
Benzo(a)pyrene	0.001	0.068	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-04-24 00:00

Set Index: 2
WBEA ID: 220401931
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.7	°C	
Pressure		729.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.4	ng/m ³	V0
Acenaphthylene	0.001	2.28	ng/m ³	V0
Acenaphthene	0.001	1.04	ng/m ³	V0
Fluorene	0.001	0.866	ng/m ³	V0
Phenanthrene	0.001	2.56	ng/m ³	V0
Anthracene	0.001	0.306	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.486	ng/m ³	V0
Pyrene	0.001	0.589	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.062	ng/m ³	V0
Chrysene	0.001	0.143	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.328	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.328	ng/m ³	V0
Benzo(a)pyrene	0.001	0.074	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401923
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.3	°C	
Pressure		743.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.90	ng/m ³	V0
Acenaphthylene	0.001	4.12	ng/m ³	V0
Acenaphthene	0.001	2.21	ng/m ³	V0
Fluorene	0.001	0.988	ng/m ³	V0
Phenanthrene	0.001	2.25	ng/m ³	V0
Anthracene	0.001	0.380	ng/m ³	V0
Acridine	0.001	0.015	ng/m ³	V0
Fluoranthene	0.001	0.452	ng/m ³	V0
Pyrene	0.001	0.531	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.016	ng/m ³	V0
Benzo(a)anthracene	0.001	0.088	ng/m ³	V0
Chrysene	0.001	0.183	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.320	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.320	ng/m ³	V0
Benzo(a)pyrene	0.001	0.072	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-04-23 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-04-24 00:00

Set Index: 1
WBEA ID: 220401917
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.9	°C	
Pressure		720.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	32.8	ng/m ³	V0
Acenaphthylene	0.001	6.63	ng/m ³	V0
Acenaphthene	0.001	6.77	ng/m ³	V0
Fluorene	0.001	4.98	ng/m ³	V0
Phenanthrene	0.001	6.90	ng/m ³	V0
Anthracene	0.001	2.86	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	1.83	ng/m ³	V0
Pyrene	0.001	0.890	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.153	ng/m ³	V0
Chrysene	0.001	0.114	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.350	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.350	ng/m ³	V0
Benzo(a)pyrene	0.001	0.030	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.017	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220401866
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.2	°C	
Pressure		714.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.3	ng/m ³	V0
Acenaphthylene	0.001	1.79	ng/m ³	V0
Acenaphthene	0.001	3.65	ng/m ³	V0
Fluorene	0.001	2.81	ng/m ³	V0
Phenanthrene	0.001	3.86	ng/m ³	V0
Anthracene	0.001	0.437	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	0.458	ng/m ³	V0
Pyrene	0.001	0.334	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.021	ng/m ³	V0
Chrysene	0.001	0.045	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.324	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.323	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.027	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401878
Start Date:	2022-04-23 00:00	End Date:	2022-04-24 00:00	Duration:	24.0 hr

Notes

Small pinhole observed in filter upon deployment of sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.6	°C	
Pressure		721.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.93	ng/m ³	V0
Acenaphthylene	0.001	2.95	ng/m ³	V0
Acenaphthene	0.001	0.692	ng/m ³	V0
Fluorene	0.001	0.878	ng/m ³	V0
Phenanthrene	0.001	1.82	ng/m ³	V0
Anthracene	0.001	0.249	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.541	ng/m ³	V0
Pyrene	0.001	0.497	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.258	ng/m ³	V0
Chrysene	0.001	0.261	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.384	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.383	ng/m ³	V0
Benzo(a)pyrene	0.001	0.069	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.029	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-04-28 09:45

Samp Use: Field Procedure Blank
Loc ID: ATHV
End Date: 2022-04-28 09:46

Set Index: 1
WBEA ID: 220402055
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.167	ng/m ³	V0
Acenaphthylene	0.001	0.089	ng/m ³	V0
Acenaphthene	0.001	0.060	ng/m ³	V0
Fluorene	0.001	0.036	ng/m ³	V0
Phenanthrene	0.001	0.061	ng/m ³	V0
Anthracene	0.001	0.014	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.007	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.002	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.002	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220402043	
Start Date:	2022-04-28 13:00	End Date:	2022-04-28 13:01	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.176	ng/m ³	V0
Acenaphthylene	0.001	0.119	ng/m ³	V0
Acenaphthene	0.001	0.120	ng/m ³	V0
Fluorene	0.001	0.043	ng/m ³	V0
Phenanthrene	0.001	0.032	ng/m ³	V0
Anthracene	0.001	0.008	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.004	ng/m ³	V0
Pyrene	0.001	0.007	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.001	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m ³	V1
Benzo(b)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-04-29 00:00	Loc ID: BGFM	WBEA ID: 220402044
		End Date: 2022-04-30 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		9.2	°C	
Pressure		739.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.9	ng/m ³	V0
Acenaphthylene	0.001	3.72	ng/m ³	V0
Acenaphthene	0.001	3.28	ng/m ³	V0
Fluorene	0.001	1.49	ng/m ³	V0
Phenanthrene	0.001	2.51	ng/m ³	V0
Anthracene	0.001	0.351	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.334	ng/m ³	V0
Pyrene	0.001	0.379	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.050	ng/m ³	V0
Chrysene	0.001	0.150	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.131	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.105	ng/m ³	V0
Benzo(a)pyrene	0.001	0.028	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220402053
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		3.1	°C	
Pressure		728.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.8	ng/m ³	V0
Acenaphthylene	0.001	2.07	ng/m ³	V0
Acenaphthene	0.001	1.99	ng/m ³	V0
Fluorene	0.001	0.933	ng/m ³	V0
Phenanthrene	0.001	1.46	ng/m ³	V0
Anthracene	0.001	0.246	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.347	ng/m ³	V0
Pyrene	0.001	0.455	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.080	ng/m ³	V0
Chrysene	0.001	0.162	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.182	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.182	ng/m ³	V0
Benzo(a)pyrene	0.001	0.062	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.035	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220402054
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		3.1	°C	
Pressure		728.1	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	13.8	ng/m ³	V0
Acenaphthylene	0.001	1.94	ng/m ³	V0
Acenaphthene	0.001	1.93	ng/m ³	V0
Fluorene	0.001	0.912	ng/m ³	V0
Phenanthrene	0.001	1.45	ng/m ³	V0
Anthracene	0.001	0.244	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.325	ng/m ³	V0
Pyrene	0.001	0.421	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.074	ng/m ³	V0
Chrysene	0.001	0.154	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.176	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.176	ng/m ³	V0
Benzo(a)pyrene	0.001	0.057	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.024	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.032	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220402056
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		5.5	°C	
Pressure		740.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.0	ng/m ³	V0
Acenaphthylene	0.001	1.97	ng/m ³	V0
Acenaphthene	0.001	1.41	ng/m ³	V0
Fluorene	0.001	1.29	ng/m ³	V0
Phenanthrene	0.001	2.97	ng/m ³	V0
Anthracene	0.001	0.967	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	1.32	ng/m ³	V0
Pyrene	0.001	1.41	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.280	ng/m ³	V0
Chrysene	0.001	0.387	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.259	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.259	ng/m ³	V0
Benzo(a)pyrene	0.001	0.074	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.026	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220401997
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C	
Pressure		718.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	3.79	ng/m ³	V0
Acenaphthylene	0.001	6.39	ng/m ³	V0
Acenaphthene	0.001	16.0	ng/m ³	V0
Fluorene	0.001	9.86	ng/m ³	V0
Phenanthrene	0.001	5.27	ng/m ³	V0
Anthracene	0.001	0.710	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.870	ng/m ³	V0
Pyrene	0.001	0.438	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.074	ng/m ³	V0
Chrysene	0.001	0.047	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.266	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.265	ng/m ³	V0
Benzo(a)pyrene	0.001	0.020	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-04-29 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-04-30 00:00

Set Index: 1
WBEA ID: 220401991
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.7	°C	
Pressure		711.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.1	ng/m ³	V0
Acenaphthylene	0.001	2.22	ng/m ³	V0
Acenaphthene	0.001	4.64	ng/m ³	V0
Fluorene	0.001	2.83	ng/m ³	V0
Phenanthrene	0.001	2.59	ng/m ³	V0
Anthracene	0.001	0.444	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.634	ng/m ³	V0
Pyrene	0.001	0.557	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.176	ng/m ³	V0
Chrysene	0.001	0.102	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.202	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.202	ng/m ³	V0
Benzo(a)pyrene	0.001	0.022	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220401980
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		5.9	°C	
Pressure		719.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.4	ng/m ³	V0
Acenaphthylene	0.001	1.50	ng/m ³	V0
Acenaphthene	0.001	0.343	ng/m ³	V0
Fluorene	0.001	0.350	ng/m ³	V0
Phenanthrene	0.001	0.462	ng/m ³	V0
Anthracene	0.001	0.075	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.201	ng/m ³	V0
Pyrene	0.001	0.219	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.075	ng/m ³	V0
Chrysene	0.001	0.048	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.260	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.260	ng/m ³	V0
Benzo(a)pyrene	0.001	0.030	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220602748
Start Date:	2022-04-29 00:00	End Date:	2022-04-30 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		1.5	°C	
Pressure		742.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.8	ng/m ³	V0
Acenaphthylene	0.001	0.934	ng/m ³	V0
Acenaphthene	0.001	0.464	ng/m ³	V0
Fluorene	0.001	0.317	ng/m ³	V0
Phenanthrene	0.001	0.275	ng/m ³	V0
Anthracene	0.001	0.026	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.122	ng/m ³	V0
Pyrene	0.001	0.157	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.031	ng/m ³	V0
Chrysene	0.001	0.017	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.175	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.174	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.019	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502121	
Start Date:	2022-05-03 15:55	End Date:	2022-05-03 15:56	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.260	ng/m ³	V0
Acenaphthylene	0.001	0.200	ng/m ³	V0
Acenaphthene	0.001	0.204	ng/m ³	V0
Fluorene	0.001	0.126	ng/m ³	V0
Phenanthrene	0.001	0.053	ng/m ³	V0
Anthracene	0.001	0.015	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.011	ng/m ³	V0
Pyrene	0.001	0.011	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.012	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.012	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220502076
Start Date:	2022-05-04 00:00	End Date:	2022-05-04 00:01	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		6.5	°C	
Pressure		728.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.087	ng/m ³	V0
Acenaphthylene	0.001	0.110	ng/m ³	V0
Acenaphthene	0.001	0.058	ng/m ³	V0
Fluorene	0.001	0.030	ng/m ³	V0
Phenanthrene	0.001	0.058	ng/m ³	V0
Anthracene	0.001	0.010	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.009	ng/m ³	V0
Pyrene	0.001	0.003	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-05-05 00:00	Loc ID:	BGFM
		End Date:	2022-05-06 00:00
		Set Index:	1
		WBEA ID:	220502122
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		11.9	°C	
Pressure		727.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.29	ng/m ³	V0
Acenaphthylene	0.001	3.32	ng/m ³	V0
Acenaphthene	0.001	3.05	ng/m ³	V0
Fluorene	0.001	1.80	ng/m ³	V0
Phenanthrene	0.001	2.71	ng/m ³	V0
Anthracene	0.001	0.403	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.437	ng/m ³	V0
Pyrene	0.001	0.509	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.464	ng/m ³	V0
Chrysene	0.001	0.126	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.139	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.139	ng/m ³	V0
Benzo(a)pyrene	0.001	0.033	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502083
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C	
Pressure		717.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.8	ng/m ³	V0
Acenaphthylene	0.001	2.42	ng/m ³	V0
Acenaphthene	0.001	0.961	ng/m ³	V0
Fluorene	0.001	0.584	ng/m ³	V0
Phenanthrene	0.001	1.95	ng/m ³	V0
Anthracene	0.001	0.226	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.412	ng/m ³	V0
Pyrene	0.001	0.539	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.090	ng/m ³	V0
Chrysene	0.001	0.093	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.164	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.164	ng/m ³	V0
Benzo(a)pyrene	0.001	0.055	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.028	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 2
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220502084
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		10.3	°C	
Pressure		717.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.2	ng/m ³	V0
Acenaphthylene	0.001	2.20	ng/m ³	V0
Acenaphthene	0.001	0.987	ng/m ³	V0
Fluorene	0.001	0.561	ng/m ³	V0
Phenanthrene	0.001	1.80	ng/m ³	V0
Anthracene	0.001	0.203	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.391	ng/m ³	V0
Pyrene	0.001	0.503	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.096	ng/m ³	V0
Chrysene	0.001	0.094	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.158	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.158	ng/m ³	V0
Benzo(a)pyrene	0.001	0.051	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.028	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.029	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-05-05 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-05-06 00:00

Set Index: 1
WBEA ID: 220502069
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		729.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.26	ng/m ³	V0
Acenaphthylene	0.001	1.60	ng/m ³	V0
Acenaphthene	0.001	0.397	ng/m ³	V0
Fluorene	0.001	0.371	ng/m ³	V0
Phenanthrene	0.001	0.598	ng/m ³	V0
Anthracene	0.001	0.266	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.315	ng/m ³	V0
Pyrene	0.001	0.329	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.139	ng/m ³	V0
Chrysene	0.001	0.093	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.155	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.155	ng/m ³	V0
Benzo(a)pyrene	0.001	0.062	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.023	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-05-05 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-05-06 00:00

Set Index: 1
WBEA ID: 220502063
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.8	°C	
Pressure		708.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.5	ng/m ³	V0
Acenaphthylene	0.001	3.85	ng/m ³	V0
Acenaphthene	0.001	7.75	ng/m ³	V0
Fluorene	0.001	5.55	ng/m ³	V0
Phenanthrene	0.001	4.78	ng/m ³	V0
Anthracene	0.001	0.526	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	1.25	ng/m ³	V0
Pyrene	0.001	0.542	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.045	ng/m ³	V0
Chrysene	0.001	0.028	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.146	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.146	ng/m ³	V0
Benzo(a)pyrene	0.001	0.012	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502138
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		702.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.4	ng/m ³	V0
Acenaphthylene	0.001	2.49	ng/m ³	V0
Acenaphthene	0.001	3.92	ng/m ³	V0
Fluorene	0.001	2.23	ng/m ³	V0
Phenanthrene	0.001	1.92	ng/m ³	V0
Anthracene	0.001	0.277	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.630	ng/m ³	V0
Pyrene	0.001	0.530	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.107	ng/m ³	V0
Chrysene	0.001	0.069	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.152	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.152	ng/m ³	V0
Benzo(a)pyrene	0.001	0.063	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.025	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502144
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.6	°C	
Pressure		709.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.47	ng/m ³	V0
Acenaphthylene	0.001	0.835	ng/m ³	V0
Acenaphthene	0.001	0.349	ng/m ³	V0
Fluorene	0.001	0.399	ng/m ³	V0
Phenanthrene	0.001	0.607	ng/m ³	V0
Anthracene	0.001	0.103	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.279	ng/m ³	V0
Pyrene	0.001	0.315	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.037	ng/m ³	V0
Chrysene	0.001	0.045	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.156	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.156	ng/m ³	V0
Benzo(a)pyrene	0.001	0.027	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.026	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220502075
Start Date:	2022-05-05 00:00	End Date:	2022-05-06 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		6.5	°C	
Pressure		730.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.5	ng/m ³	V0
Acenaphthylene	0.001	2.41	ng/m ³	V0
Acenaphthene	0.001	2.17	ng/m ³	V0
Fluorene	0.001	0.848	ng/m ³	V0
Phenanthrene	0.001	1.18	ng/m ³	V0
Anthracene	0.001	0.219	ng/m ³	V0
Acridine	0.001	0.016	ng/m ³	V0
Fluoranthene	0.001	0.264	ng/m ³	V0
Pyrene	0.001	0.130	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.054	ng/m ³	V0
Chrysene	0.001	0.048	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.432	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.432	ng/m ³	V0
Benzo(a)pyrene	0.001	0.055	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.011	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502180	
Start Date:	2022-05-06 14:50	End Date:	2022-05-06 14:51	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.164	ng/m ³	V0
Acenaphthylene	0.001	0.140	ng/m ³	V0
Acenaphthene	0.001	0.080	ng/m ³	V0
Fluorene	0.001	0.048	ng/m ³	V0
Phenanthrene	0.001	0.042	ng/m ³	V0
Anthracene	0.001	0.009	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.012	ng/m ³	V0
Benzo(c)phenanthrene	0.001	-8888	ng/m ³	V1
Benz(a)anthracene	0.001	-8888	ng/m ³	V1
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac		Loc ID:	ANZC	WBEA ID:	220502222
Start Date:	2022-05-10 15:50		End Date:	2022-05-10 15:51	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.193	ng/m ³	V0
Acenaphthylene	0.001	0.113	ng/m ³	V0
Acenaphthene	0.001	0.093	ng/m ³	V0
Fluorene	0.001	0.035	ng/m ³	V0
Phenanthrene	0.001	0.074	ng/m ³	V0
Anthracene	0.001	0.011	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.007	ng/m ³	V0
Pyrene	0.001	0.010	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-05-11 00:00	Loc ID:	BGFM
		End Date:	2022-05-12 00:00
		Set Index:	1
		WBEA ID:	220502181
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		6.9	°C	
Pressure		734.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.54	ng/m ³	V0
Acenaphthylene	0.001	3.96	ng/m ³	V0
Acenaphthene	0.001	1.78	ng/m ³	V0
Fluorene	0.001	1.32	ng/m ³	V0
Phenanthrene	0.001	1.77	ng/m ³	V0
Anthracene	0.001	0.331	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	0.297	ng/m ³	V0
Pyrene	0.001	0.341	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.405	ng/m ³	V0
Chrysene	0.001	0.174	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.113	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.113	ng/m ³	V0
Benzo(a)pyrene	0.001	0.036	ng/m ³	V0
3-Methylcholanthrene	0.001	0.020	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.035	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.017	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502154
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		8.5	°C	
Pressure		724.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.5	ng/m ³	V0
Acenaphthylene	0.001	3.14	ng/m ³	V0
Acenaphthene	0.001	0.830	ng/m ³	V0
Fluorene	0.001	1.21	ng/m ³	V0
Phenanthrene	0.001	2.39	ng/m ³	V0
Anthracene	0.001	0.432	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	1.16	ng/m ³	V0
Pyrene	0.001	1.35	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.277	ng/m ³	V0
Chrysene	0.001	0.178	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.365	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.365	ng/m ³	V0
Benzo(a)pyrene	0.001	0.098	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-12 00:00

Set Index: 2
WBEA ID: 220502155
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.5	°C	
Pressure		724.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.6	ng/m ³	V0
Acenaphthylene	0.001	3.54	ng/m ³	V0
Acenaphthene	0.001	0.813	ng/m ³	V0
Fluorene	0.001	1.26	ng/m ³	V0
Phenanthrene	0.001	2.64	ng/m ³	V0
Anthracene	0.001	0.446	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	1.15	ng/m ³	V0
Pyrene	0.001	1.33	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.295	ng/m ³	V0
Chrysene	0.001	0.190	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.339	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.339	ng/m ³	V0
Benzo(a)pyrene	0.001	0.093	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220502190
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration: 24.0 hr

Notes

When conducting the leak check, one side of the screw top was difficult to tighten. May have led to incorrect leak test.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		10.4	°C	
Pressure		736.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.1	ng/m ³	V0
Acenaphthylene	0.001	0.975	ng/m ³	V0
Acenaphthene	0.001	0.420	ng/m ³	V0
Fluorene	0.001	0.537	ng/m ³	V0
Phenanthrene	0.001	1.17	ng/m ³	V0
Anthracene	0.001	0.284	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.771	ng/m ³	V0
Pyrene	0.001	0.770	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.440	ng/m ³	V0
Chrysene	0.001	0.284	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.206	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.206	ng/m ³	V0
Benzo(a)pyrene	0.001	0.082	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.017	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-05-12 00:00

Set Index: 1
WBEA ID: 220502223
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.7	°C	
Pressure		717.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	4.15	ng/m ³	V0
Acenaphthylene	0.001	2.46	ng/m ³	V0
Acenaphthene	0.001	4.54	ng/m ³	V0
Fluorene	0.001	3.12	ng/m ³	V0
Phenanthrene	0.001	1.62	ng/m ³	V0
Anthracene	0.001	0.424	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.300	ng/m ³	V0
Pyrene	0.001	0.124	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.112	ng/m ³	V0
Chrysene	0.001	0.080	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.078	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.078	ng/m ³	V0
Benzo(a)pyrene	0.001	0.031	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502210
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.2	°C	
Pressure		710.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.9	ng/m ³	V0
Acenaphthylene	0.001	2.02	ng/m ³	V0
Acenaphthene	0.001	2.27	ng/m ³	V0
Fluorene	0.001	1.48	ng/m ³	V0
Phenanthrene	0.001	1.49	ng/m ³	V0
Anthracene	0.001	0.369	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.611	ng/m ³	V0
Pyrene	0.001	0.399	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.409	ng/m ³	V0
Chrysene	0.001	0.264	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.152	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.152	ng/m ³	V0
Benzo(a)pyrene	0.001	0.067	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.032	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.025	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502216
Start Date:	2022-05-11 00:00	End Date:	2022-05-12 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.6	°C	
Pressure		718.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.59	ng/m ³	V0
Acenaphthylene	0.001	1.42	ng/m ³	V0
Acenaphthene	0.001	0.268	ng/m ³	V0
Fluorene	0.001	0.314	ng/m ³	V0
Phenanthrene	0.001	0.532	ng/m ³	V0
Anthracene	0.001	0.056	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.122	ng/m ³	V0
Pyrene	0.001	0.124	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.029	ng/m ³	V0
Chrysene	0.001	0.177	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.108	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.108	ng/m ³	V0
Benzo(a)pyrene	0.001	0.025	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-05-11 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-05-12 00:00

Set Index: 1
WBEA ID: 220502204
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.3	°C	
Pressure		739.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.6	ng/m ³	V0
Acenaphthylene	0.001	2.41	ng/m ³	V0
Acenaphthene	0.001	0.795	ng/m ³	V0
Fluorene	0.001	0.492	ng/m ³	V0
Phenanthrene	0.001	0.541	ng/m ³	V0
Anthracene	0.001	0.128	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.176	ng/m ³	V0
Pyrene	0.001	0.117	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.009	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.344	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.344	ng/m ³	V0
Benzo(a)pyrene	0.001	0.041	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.011	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-05-17 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-05-18 00:00

Set Index: 1
WBEA ID: 220502296
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.1	°C	
Pressure		715.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	26.9	ng/m ³	V0
Acenaphthylene	0.001	7.71	ng/m ³	V0
Acenaphthene	0.001	17.0	ng/m ³	V0
Fluorene	0.001	9.50	ng/m ³	V0
Phenanthrene	0.001	11.0	ng/m ³	V0
Anthracene	0.001	1.93	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	1.03	ng/m ³	V0
Pyrene	0.001	0.345	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.041	ng/m ³	V0
Chrysene	0.001	0.036	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.072	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.072	ng/m ³	V0
Benzo(a)pyrene	0.001	0.058	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220502232
Start Date:	2022-05-17 00:00	End Date:	2022-05-18 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		6.6	°C	
Pressure		737.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.49	ng/m ³	V0
Acenaphthylene	0.001	1.72	ng/m ³	V0
Acenaphthene	0.001	0.539	ng/m ³	V0
Fluorene	0.001	0.363	ng/m ³	V0
Phenanthrene	0.001	0.744	ng/m ³	V0
Anthracene	0.001	0.119	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.205	ng/m ³	V0
Pyrene	0.001	0.048	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.430	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.429	ng/m ³	V0
Benzo(a)pyrene	0.001	0.028	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502297	
Start Date:	2022-05-17 07:30	End Date:	2022-05-17 07:31	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.181	ng/m ³	V0
Acenaphthylene	0.001	0.089	ng/m ³	V0
Acenaphthene	0.001	0.173	ng/m ³	V0
Fluorene	0.001	0.046	ng/m ³	V0
Phenanthrene	0.001	0.055	ng/m ³	V0
Anthracene	0.001	0.012	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.010	ng/m ³	V0
Pyrene	0.001	0.006	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m ³	V1
Benzo(b)fluoranthene	0.001	0.020	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502298
Start Date:	2022-05-17 08:00	End Date:	2022-05-18 08:00	Duration:	24.0 hr

Notes

PAH cartridge was deployed 8 hours late due to the delayed shipment of samples. Sample set to run for 24 hours from May 17, 08:00 MST to May 18, 08:00 MST.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		13.9	°C	
Pressure		735.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.58	ng/m ³	V0
Acenaphthylene	0.001	2.33	ng/m ³	V0
Acenaphthene	0.001	3.28	ng/m ³	V0
Fluorene	0.001	1.26	ng/m ³	V0
Phenanthrene	0.001	2.04	ng/m ³	V0
Anthracene	0.001	0.348	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.347	ng/m ³	V0
Pyrene	0.001	0.365	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.091	ng/m ³	V0
Chrysene	0.001	0.091	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.060	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.060	ng/m ³	V0
Benzo(a)pyrene	0.001	0.060	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220502343
Start Date:	2022-05-20 08:20	End Date:	2022-05-20 08:21	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.144	ng/m ³	V0
Acenaphthylene	0.001	0.122	ng/m ³	V0
Acenaphthene	0.001	0.095	ng/m ³	V0
Fluorene	0.001	0.021	ng/m ³	V0
Phenanthrene	0.001	0.096	ng/m ³	V0
Anthracene	0.001	0.030	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.009	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502368
Start Date:	2022-05-20 10:45	End Date:	2022-05-20 10:46	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.143	ng/m ³	V0
Acenaphthylene	0.001	0.105	ng/m ³	V0
Acenaphthene	0.001	0.053	ng/m ³	V0
Fluorene	0.001	0.034	ng/m ³	V0
Phenanthrene	0.001	0.065	ng/m ³	V0
Anthracene	0.001	0.012	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.007	ng/m ³	V0
Pyrene	0.001	0.006	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502375	
Start Date:	2022-05-20 11:05	End Date:	2022-05-20 11:06	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.167	ng/m ³	V0
Acenaphthylene	0.001	0.149	ng/m ³	V0
Acenaphthene	0.001	0.110	ng/m ³	V0
Fluorene	0.001	0.070	ng/m ³	V0
Phenanthrene	0.001	0.043	ng/m ³	V0
Anthracene	0.001	0.009	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.008	ng/m ³	V0
Benzo(c)phenanthrene	0.001	-8888	ng/m ³	V1
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.006	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-05-23 00:00	Loc ID:	BGFM
		End Date:	2022-05-24 00:00
		Set Index:	1
		WBEA ID:	220502376
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		9.3	°C	
Pressure		736.7	mmHg	
Sample Volume		318	m ³	V6
Naphthalene	0.001	6.51	ng/m ³	V0
Acenaphthylene	0.001	2.21	ng/m ³	V0
Acenaphthene	0.001	2.14	ng/m ³	V0
Fluorene	0.001	1.24	ng/m ³	V0
Phenanthrene	0.001	1.22	ng/m ³	V0
Anthracene	0.001	0.280	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.357	ng/m ³	V0
Pyrene	0.001	0.312	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.420	ng/m ³	V0
Chrysene	0.001	0.252	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.089	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.089	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502335
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.2	°C	
Pressure		728.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.8	ng/m ³	V0
Acenaphthylene	0.001	2.22	ng/m ³	V0
Acenaphthene	0.001	1.09	ng/m ³	V0
Fluorene	0.001	0.593	ng/m ³	V0
Phenanthrene	0.001	1.09	ng/m ³	V0
Anthracene	0.001	0.252	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.454	ng/m ³	V0
Pyrene	0.001	0.530	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.325	ng/m ³	V0
Chrysene	0.001	0.200	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.160	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.159	ng/m ³	V0
Benzo(a)pyrene	0.001	0.065	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.030	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-24 00:00

Set Index: 2
WBEA ID: 220502333
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.2	°C	
Pressure		728.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.8	ng/m ³	V0
Acenaphthylene	0.001	2.07	ng/m ³	V0
Acenaphthene	0.001	1.15	ng/m ³	V0
Fluorene	0.001	0.554	ng/m ³	V0
Phenanthrene	0.001	1.20	ng/m ³	V0
Anthracene	0.001	0.278	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.417	ng/m ³	V0
Pyrene	0.001	0.521	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.337	ng/m ³	V0
Chrysene	0.001	0.217	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.164	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.164	ng/m ³	V0
Benzo(a)pyrene	0.001	0.069	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.033	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502325
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.9	°C	
Pressure		738.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.50	ng/m ³	V0
Acenaphthylene	0.001	2.84	ng/m ³	V0
Acenaphthene	0.001	1.02	ng/m ³	V0
Fluorene	0.001	0.296	ng/m ³	V0
Phenanthrene	0.001	1.37	ng/m ³	V0
Anthracene	0.001	0.282	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.118	ng/m ³	V0
Pyrene	0.001	0.163	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.132	ng/m ³	V0
Chrysene	0.001	0.085	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.112	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.112	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.026	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-05-23 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-05-24 00:00

Set Index: 1
WBEA ID: 220502309
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.6	°C	
Pressure		716.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.3	ng/m ³	V0
Acenaphthylene	0.001	8.71	ng/m ³	V0
Acenaphthene	0.001	16.5	ng/m ³	V0
Fluorene	0.001	5.03	ng/m ³	V0
Phenanthrene	0.001	3.89	ng/m ³	V0
Anthracene	0.001	0.642	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.861	ng/m ³	V0
Pyrene	0.001	0.432	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.028	ng/m ³	V0
Chrysene	0.001	0.080	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.068	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.068	ng/m ³	V0
Benzo(a)pyrene	0.001	0.021	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502344
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.6	°C	
Pressure		709.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.0	ng/m ³	V0
Acenaphthylene	0.001	2.96	ng/m ³	V0
Acenaphthene	0.001	4.55	ng/m ³	V0
Fluorene	0.001	3.10	ng/m ³	V0
Phenanthrene	0.001	2.10	ng/m ³	V0
Anthracene	0.001	0.270	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.431	ng/m ³	V0
Pyrene	0.001	0.165	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.082	ng/m ³	V0
Chrysene	0.001	0.052	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.090	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.090	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502369
Start Date:	2022-05-23 00:00	End Date:	2022-05-24 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.8	°C	
Pressure		716.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.18	ng/m ³	V0
Acenaphthylene	0.001	2.67	ng/m ³	V0
Acenaphthene	0.001	0.542	ng/m ³	V0
Fluorene	0.001	0.264	ng/m ³	V0
Phenanthrene	0.001	0.577	ng/m ³	V0
Anthracene	0.001	0.088	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.116	ng/m ³	V0
Pyrene	0.001	0.088	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.062	ng/m ³	V0
Chrysene	0.001	0.039	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.154	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.154	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-05-24 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-05-25 00:00

Set Index: 1
WBEA ID: 220502323
Duration: 24.0 hr

Notes

Sample deployed on day after NAPS day.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.8	°C	
Pressure		740.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.72	ng/m ³	V0
Acenaphthylene	0.001	1.76	ng/m ³	V0
Acenaphthene	0.001	1.39	ng/m ³	V0
Fluorene	0.001	0.407	ng/m ³	V0
Phenanthrene	0.001	0.841	ng/m ³	V0
Anthracene	0.001	0.188	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.163	ng/m ³	V0
Pyrene	0.001	0.120	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.027	ng/m ³	V0
Chrysene	0.001	0.024	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.137	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.137	ng/m ³	V0
Benzo(a)pyrene	0.001	0.028	ng/m ³	V0
3-Methylcholanthrene	0.001	0.016	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.011	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220502434	
Start Date:	2022-05-25 08:30	End Date:	2022-05-25 08:31	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.159	ng/m ³	V0
Acenaphthylene	0.001	0.099	ng/m ³	V0
Acenaphthene	0.001	0.136	ng/m ³	V0
Fluorene	0.001	0.063	ng/m ³	V0
Phenanthrene	0.001	0.043	ng/m ³	V0
Anthracene	0.001	0.007	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.004	ng/m ³	V0
Pyrene	0.001	0.005	ng/m ³	V0
Benzo(c)phenanthrene	0.001	-8888	ng/m ³	V1
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	-8888	ng/m ³	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220502446
Start Date:	2022-05-25 10:00	End Date:	2022-05-25 10:01	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.148	ng/m ³	V0
Acenaphthylene	0.001	0.113	ng/m ³	V0
Acenaphthene	0.001	0.072	ng/m ³	V0
Fluorene	0.001	0.049	ng/m ³	V0
Phenanthrene	0.001	0.072	ng/m ³	V0
Anthracene	0.001	0.011	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.009	ng/m ³	V0
Pyrene	0.001	0.006	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-05-29 00:00	Loc ID:	BGFM
		End Date:	2022-05-30 00:00
		Set Index:	1
		WBEA ID:	220502433
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.3	°C	
Pressure		730.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.5	ng/m ³	V0
Acenaphthylene	0.001	4.38	ng/m ³	V0
Acenaphthene	0.001	1.59	ng/m ³	V0
Fluorene	0.001	1.57	ng/m ³	V0
Phenanthrene	0.001	1.29	ng/m ³	V0
Anthracene	0.001	0.319	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.344	ng/m ³	V0
Pyrene	0.001	0.340	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.271	ng/m ³	V0
Chrysene	0.001	0.114	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.086	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.086	ng/m ³	V0
Benzo(a)pyrene	0.001	0.042	ng/m ³	V0
3-Methylcholanthrene	0.001	0.014	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-05-29 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-30 00:00

Set Index: 1
WBEA ID: 220502448
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		722.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.9	ng/m ³	V0
Acenaphthylene	0.001	4.45	ng/m ³	V0
Acenaphthene	0.001	1.70	ng/m ³	V0
Fluorene	0.001	0.679	ng/m ³	V0
Phenanthrene	0.001	0.940	ng/m ³	V0
Anthracene	0.001	0.226	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.212	ng/m ³	V0
Pyrene	0.001	0.353	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.130	ng/m ³	V0
Chrysene	0.001	0.111	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.126	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.126	ng/m ³	V0
Benzo(a)pyrene	0.001	0.047	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-05-29 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-05-30 00:00

Set Index: 2
WBEA ID: 220502447
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		722.3	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	10.9	ng/m ³	V0
Acenaphthylene	0.001	4.02	ng/m ³	V0
Acenaphthene	0.001	1.54	ng/m ³	V0
Fluorene	0.001	0.637	ng/m ³	V0
Phenanthrene	0.001	0.973	ng/m ³	V0
Anthracene	0.001	0.234	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.266	ng/m ³	V0
Pyrene	0.001	0.344	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.128	ng/m ³	V0
Chrysene	0.001	0.100	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.122	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.122	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220502439
Start Date:	2022-05-29 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-05-30 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.5	°C	
Pressure		731.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.66	ng/m ³	V0
Acenaphthylene	0.001	1.63	ng/m ³	V0
Acenaphthene	0.001	0.798	ng/m ³	V0
Fluorene	0.001	0.675	ng/m ³	V0
Phenanthrene	0.001	0.982	ng/m ³	V0
Anthracene	0.001	0.134	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.356	ng/m ³	V0
Pyrene	0.001	0.358	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.280	ng/m ³	V0
Chrysene	0.001	0.181	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.142	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.142	ng/m ³	V0
Benzo(a)pyrene	0.001	0.059	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-05-29 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-05-30 00:00

Set Index: 1
WBEA ID: 220502416
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.2	°C	
Pressure		710.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	23.8	ng/m ³	V0
Acenaphthylene	0.001	9.02	ng/m ³	V0
Acenaphthene	0.001	23.2	ng/m ³	V0
Fluorene	0.001	15.8	ng/m ³	V0
Phenanthrene	0.001	10.8	ng/m ³	V0
Anthracene	0.001	1.70	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	2.18	ng/m ³	V0
Pyrene	0.001	1.25	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.063	ng/m ³	V0
Chrysene	0.001	0.105	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.062	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.062	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220502401
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

Low volume due to power issue.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		704.1	mmHg	
Sample Volume		305	m ³	V6
Naphthalene	0.001	10.1	ng/m ³	V0
Acenaphthylene	0.001	2.66	ng/m ³	V0
Acenaphthene	0.001	4.49	ng/m ³	V0
Fluorene	0.001	2.94	ng/m ³	V0
Phenanthrene	0.001	2.74	ng/m ³	V0
Anthracene	0.001	0.516	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.962	ng/m ³	V0
Pyrene	0.001	0.425	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.094	ng/m ³	V0
Chrysene	0.001	0.060	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.085	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.085	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220502410
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.0	°C	
Pressure		710.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.92	ng/m ³	V0
Acenaphthylene	0.001	2.05	ng/m ³	V0
Acenaphthene	0.001	0.419	ng/m ³	V0
Fluorene	0.001	0.151	ng/m ³	V0
Phenanthrene	0.001	0.996	ng/m ³	V0
Anthracene	0.001	0.147	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.180	ng/m ³	V0
Pyrene	0.001	0.119	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.032	ng/m ³	V0
Chrysene	0.001	0.062	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.088	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.088	ng/m ³	V0
Benzo(a)pyrene	0.001	0.023	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220502454
Start Date:	2022-05-29 00:00	End Date:	2022-05-30 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		13.0	°C	
Pressure		733.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.0	ng/m ³	V0
Acenaphthylene	0.001	2.22	ng/m ³	V0
Acenaphthene	0.001	0.960	ng/m ³	V0
Fluorene	0.001	0.339	ng/m ³	V0
Phenanthrene	0.001	0.474	ng/m ³	V0
Anthracene	0.001	0.097	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.171	ng/m ³	V0
Pyrene	0.001	0.069	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.030	ng/m ³	V0
Chrysene	0.001	0.028	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.453	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.453	ng/m ³	V0
Benzo(a)pyrene	0.001	0.033	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.010	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602542	
Start Date:	2022-06-01 12:55	End Date:	2022-06-01 12:56	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.189	ng/m ³	V0
Acenaphthylene	0.001	0.115	ng/m ³	V0
Acenaphthene	0.001	0.222	ng/m ³	V0
Fluorene	0.001	0.048	ng/m ³	V0
Phenanthrene	0.001	0.067	ng/m ³	V0
Anthracene	0.001	0.022	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.006	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.022	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.022	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-06-02 13:50

Samp Use: Field Procedure Blank
Loc ID: ATHV
End Date: 2022-06-02 13:51

Set Index: 1
WBEA ID: 220602553
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.168	ng/m ³	V0
Acenaphthylene	0.001	0.113	ng/m ³	V0
Acenaphthene	0.001	0.082	ng/m ³	V0
Fluorene	0.001	0.027	ng/m ³	V0
Phenanthrene	0.001	0.097	ng/m ³	V0
Anthracene	0.001	0.024	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.011	ng/m ³	V0
Pyrene	0.001	0.003	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-06-04 00:00	Loc ID: BGFM	WBEA ID: 220602543
		End Date: 2022-06-05 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		21.7	°C	
Pressure		733.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.2	ng/m ³	V0
Acenaphthylene	0.001	2.36	ng/m ³	V0
Acenaphthene	0.001	1.75	ng/m ³	V0
Fluorene	0.001	0.608	ng/m ³	V0
Phenanthrene	0.001	1.26	ng/m ³	V0
Anthracene	0.001	0.296	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.353	ng/m ³	V0
Pyrene	0.001	0.269	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.137	ng/m ³	V0
Chrysene	0.001	0.124	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.240	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.240	ng/m ³	V0
Benzo(a)pyrene	0.001	0.085	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-06-04 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-06-05 00:00

Set Index: 1
WBEA ID: 220602560
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C	
Pressure		724.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.5	ng/m ³	V0
Acenaphthylene	0.001	6.67	ng/m ³	V0
Acenaphthene	0.001	0.987	ng/m ³	V0
Fluorene	0.001	1.71	ng/m ³	V0
Phenanthrene	0.001	3.39	ng/m ³	V0
Anthracene	0.001	0.854	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.666	ng/m ³	V0
Pyrene	0.001	0.644	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.300	ng/m ³	V0
Chrysene	0.001	0.267	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.611	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.611	ng/m ³	V0
Benzo(a)pyrene	0.001	0.052	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.026	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.019	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-06-04 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-06-05 00:00

Set Index: 2
WBEA ID: 220602561
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.7	°C	
Pressure		724.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.0	ng/m ³	V0
Acenaphthylene	0.001	6.44	ng/m ³	V0
Acenaphthene	0.001	0.869	ng/m ³	V0
Fluorene	0.001	1.56	ng/m ³	V0
Phenanthrene	0.001	3.01	ng/m ³	V0
Anthracene	0.001	0.813	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.679	ng/m ³	V0
Pyrene	0.001	0.602	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.281	ng/m ³	V0
Chrysene	0.001	0.264	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.551	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.551	ng/m ³	V0
Benzo(a)pyrene	0.001	0.049	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.026	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220602554
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration: 24.0 hr

Notes

Slightly low volume likely due to power blip.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		19.4	°C	
Pressure		736.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.8	ng/m ³	V0
Acenaphthylene	0.001	1.91	ng/m ³	V0
Acenaphthene	0.001	2.40	ng/m ³	V0
Fluorene	0.001	3.75	ng/m ³	V0
Phenanthrene	0.001	3.57	ng/m ³	V0
Anthracene	0.001	0.640	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.688	ng/m ³	V0
Pyrene	0.001	0.331	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.047	ng/m ³	V0
Chrysene	0.001	0.076	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.596	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.596	ng/m ³	V0
Benzo(a)pyrene	0.001	0.056	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-06-04 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-06-05 00:00

Set Index: 1
WBEA ID: 220602578
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C	
Pressure		715.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	25.3	ng/m ³	V0
Acenaphthylene	0.001	6.33	ng/m ³	V0
Acenaphthene	0.001	18.6	ng/m ³	V0
Fluorene	0.001	11.6	ng/m ³	V0
Phenanthrene	0.001	16.1	ng/m ³	V0
Anthracene	0.001	3.84	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	3.30	ng/m ³	V0
Pyrene	0.001	1.50	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.053	ng/m ³	V0
Chrysene	0.001	0.046	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.794	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.794	ng/m ³	V0
Benzo(a)pyrene	0.001	0.041	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602584
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.9	°C	
Pressure		708.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	32.3	ng/m ³	V0
Acenaphthylene	0.001	5.72	ng/m ³	V0
Acenaphthene	0.001	17.7	ng/m ³	V0
Fluorene	0.001	9.20	ng/m ³	V0
Phenanthrene	0.001	7.14	ng/m ³	V0
Anthracene	0.001	0.935	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.690	ng/m ³	V0
Pyrene	0.001	0.385	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.158	ng/m ³	V0
Chrysene	0.001	0.139	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.598	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.597	ng/m ³	V0
Benzo(a)pyrene	0.001	0.075	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-06-04 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-06-05 00:00

Set Index: 1
WBEA ID: 220602571
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.2	°C	
Pressure		717.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.76	ng/m ³	V0
Acenaphthylene	0.001	1.04	ng/m ³	V0
Acenaphthene	0.001	0.412	ng/m ³	V0
Fluorene	0.001	0.162	ng/m ³	V0
Phenanthrene	0.001	0.266	ng/m ³	V0
Anthracene	0.001	0.040	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.105	ng/m ³	V0
Pyrene	0.001	0.072	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.029	ng/m ³	V0
Chrysene	0.001	0.028	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.144	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.144	ng/m ³	V0
Benzo(a)pyrene	0.001	0.064	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.009	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602515
Start Date:	2022-06-04 00:00	End Date:	2022-06-05 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		18.4	°C	
Pressure		737.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.0	ng/m ³	V0
Acenaphthylene	0.001	2.97	ng/m ³	V0
Acenaphthene	0.001	2.44	ng/m ³	V0
Fluorene	0.001	0.901	ng/m ³	V0
Phenanthrene	0.001	2.60	ng/m ³	V0
Anthracene	0.001	0.511	ng/m ³	V0
Acridine	0.001	0.016	ng/m ³	V0
Fluoranthene	0.001	0.544	ng/m ³	V0
Pyrene	0.001	0.715	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.060	ng/m ³	V0
Chrysene	0.001	0.115	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.093	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.093	ng/m ³	V0
Benzo(a)pyrene	0.001	0.036	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.012	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602657	
Start Date:	2022-06-09 12:45	End Date:	2022-06-09 12:46	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.134	ng/m ³	V0
Acenaphthylene	0.001	0.068	ng/m ³	V0
Acenaphthene	0.001	0.141	ng/m ³	V0
Fluorene	0.001	0.042	ng/m ³	V0
Phenanthrene	0.001	0.038	ng/m ³	V0
Anthracene	0.001	0.011	ng/m ³	V0
Acridine	0.001	0.001	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.016	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-06-10 00:00	Loc ID:	BGFM
		End Date:	2022-06-11 00:00
		Set Index:	1
		WBEA ID:	220602658
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		15.6	°C	
Pressure		727.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.75	ng/m ³	V0
Acenaphthylene	0.001	2.98	ng/m ³	V0
Acenaphthene	0.001	5.22	ng/m ³	V0
Fluorene	0.001	2.64	ng/m ³	V0
Phenanthrene	0.001	2.70	ng/m ³	V0
Anthracene	0.001	0.634	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.240	ng/m ³	V0
Pyrene	0.001	0.249	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.080	ng/m ³	V0
Chrysene	0.001	0.072	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.261	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.261	ng/m ³	V0
Benzo(a)pyrene	0.001	0.053	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-06-10 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-06-11 00:00

Set Index: 1
WBEA ID: 220602633
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.7	°C	
Pressure		718.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.9	ng/m ³	V0
Acenaphthylene	0.001	4.26	ng/m ³	V0
Acenaphthene	0.001	1.34	ng/m ³	V0
Fluorene	0.001	1.55	ng/m ³	V0
Phenanthrene	0.001	1.61	ng/m ³	V0
Anthracene	0.001	0.242	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.743	ng/m ³	V0
Pyrene	0.001	0.475	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.099	ng/m ³	V0
Chrysene	0.001	0.087	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.654	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.654	ng/m ³	V0
Benzo(a)pyrene	0.001	0.059	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-06-10 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-06-11 00:00

Set Index: 2
WBEA ID: 220602634
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.7	°C	
Pressure		718.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.0	ng/m ³	V0
Acenaphthylene	0.001	4.70	ng/m ³	V0
Acenaphthene	0.001	1.49	ng/m ³	V0
Fluorene	0.001	1.52	ng/m ³	V0
Phenanthrene	0.001	1.55	ng/m ³	V0
Anthracene	0.001	0.232	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.813	ng/m ³	V0
Pyrene	0.001	0.442	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.095	ng/m ³	V0
Chrysene	0.001	0.087	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.571	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.571	ng/m ³	V0
Benzo(a)pyrene	0.001	0.060	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220602627
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration: 24.0 hr

Notes

Low volume due to motor seal.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		15.9	°C	
Pressure		730.3	mmHg	
Sample Volume		307	m ³	V6
Naphthalene	0.001	33.1	ng/m ³	V0
Acenaphthylene	0.001	4.11	ng/m ³	V0
Acenaphthene	0.001	1.21	ng/m ³	V0
Fluorene	0.001	1.67	ng/m ³	V0
Phenanthrene	0.001	2.44	ng/m ³	V0
Anthracene	0.001	0.669	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	1.03	ng/m ³	V0
Pyrene	0.001	0.918	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.168	ng/m ³	V0
Chrysene	0.001	0.211	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.773	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.772	ng/m ³	V0
Benzo(a)pyrene	0.001	0.054	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.042	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-06-10 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-06-11 00:00

Set Index: 1
WBEA ID: 220602622
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.9	°C	
Pressure		709.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.1	ng/m ³	V0
Acenaphthylene	0.001	6.02	ng/m ³	V0
Acenaphthene	0.001	7.10	ng/m ³	V0
Fluorene	0.001	5.33	ng/m ³	V0
Phenanthrene	0.001	7.95	ng/m ³	V0
Anthracene	0.001	1.23	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	1.44	ng/m ³	V0
Pyrene	0.001	0.488	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.042	ng/m ³	V0
Chrysene	0.001	0.037	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.593	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.593	ng/m ³	V0
Benzo(a)pyrene	0.001	0.037	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602596
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.0	°C	
Pressure		702.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.0	ng/m ³	V0
Acenaphthylene	0.001	5.83	ng/m ³	V0
Acenaphthene	0.001	14.3	ng/m ³	V0
Fluorene	0.001	7.87	ng/m ³	V0
Phenanthrene	0.001	9.82	ng/m ³	V0
Anthracene	0.001	1.52	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	1.38	ng/m ³	V0
Pyrene	0.001	0.574	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.125	ng/m ³	V0
Chrysene	0.001	0.114	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.505	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.505	ng/m ³	V0
Benzo(a)pyrene	0.001	0.052	ng/m ³	V0
3-Methylcholanthrene	0.001	0.015	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.021	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.009	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602602
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.1	°C	
Pressure		711.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.4	ng/m ³	V0
Acenaphthylene	0.001	2.56	ng/m ³	V0
Acenaphthene	0.001	0.403	ng/m ³	V0
Fluorene	0.001	1.34	ng/m ³	V0
Phenanthrene	0.001	0.618	ng/m ³	V0
Anthracene	0.001	0.094	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.320	ng/m ³	V0
Pyrene	0.001	0.270	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.040	ng/m ³	V0
Chrysene	0.001	0.062	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.707	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.707	ng/m ³	V0
Benzo(a)pyrene	0.001	0.063	ng/m ³	V0
3-Methylcholanthrene	0.001	0.033	ng/m ³	V4
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.011	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602615
Start Date:	2022-06-10 00:00	End Date:	2022-06-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C	
Pressure		737.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.091	ng/m ³	V0
Acenaphthylene	0.001	0.119	ng/m ³	V0
Acenaphthene	0.001	0.077	ng/m ³	V0
Fluorene	0.001	0.073	ng/m ³	V0
Phenanthrene	0.001	0.070	ng/m ³	V0
Anthracene	0.001	0.011	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.009	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.005	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-06-10 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-06-11 00:00

Set Index: 1
WBEA ID: 220602616
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.0	°C	
Pressure		730.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.0	ng/m ³	V0
Acenaphthylene	0.001	1.65	ng/m ³	V0
Acenaphthene	0.001	2.56	ng/m ³	V0
Fluorene	0.001	0.651	ng/m ³	V0
Phenanthrene	0.001	1.41	ng/m ³	V0
Anthracene	0.001	0.286	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.294	ng/m ³	V0
Pyrene	0.001	0.137	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.030	ng/m ³	V0
Chrysene	0.001	0.025	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.053	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.053	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-06-14 14:00

Samp Use: Field Procedure Blank
Loc ID: ANZC
End Date: 2022-06-14 14:01

Set Index: 1
WBEA ID: 220602723
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.101	ng/m ³	V0
Acenaphthylene	0.001	0.128	ng/m ³	V0
Acenaphthene	0.001	0.074	ng/m ³	V0
Fluorene	0.001	0.014	ng/m ³	V0
Phenanthrene	0.001	0.076	ng/m ³	V0
Anthracene	0.001	0.020	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.002	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602733	
Start Date:	2022-06-15 08:40	End Date:	2022-06-15 08:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.166	ng/m ³	V0
Acenaphthylene	0.001	0.148	ng/m ³	V0
Acenaphthene	0.001	0.192	ng/m ³	V0
Fluorene	0.001	0.034	ng/m ³	V0
Phenanthrene	0.001	0.069	ng/m ³	V0
Anthracene	0.001	0.022	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.007	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.015	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.015	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602730
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		15.2	°C	
Pressure		740.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.3	ng/m ³	V0
Acenaphthylene	0.001	4.04	ng/m ³	V0
Acenaphthene	0.001	1.89	ng/m ³	V0
Fluorene	0.001	1.17	ng/m ³	V0
Phenanthrene	0.001	1.89	ng/m ³	V0
Anthracene	0.001	0.585	ng/m ³	V0
Acridine	0.001	0.015	ng/m ³	V0
Fluoranthene	0.001	0.394	ng/m ³	V0
Pyrene	0.001	0.240	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benzo(a)anthracene	0.001	0.038	ng/m ³	V0
Chrysene	0.001	0.036	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.109	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.109	ng/m ³	V0
Benzo(a)pyrene	0.001	0.031	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.009	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602736
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.3	°C	
Pressure		736.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.2	ng/m ³	V0
Acenaphthylene	0.001	4.70	ng/m ³	V0
Acenaphthene	0.001	5.77	ng/m ³	V0
Fluorene	0.001	1.57	ng/m ³	V0
Phenanthrene	0.001	3.51	ng/m ³	V0
Anthracene	0.001	0.613	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.487	ng/m ³	V0
Pyrene	0.001	0.295	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.208	ng/m ³	V0
Chrysene	0.001	0.166	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.307	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.306	ng/m ³	V0
Benzo(a)pyrene	0.001	0.045	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602747
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C	
Pressure		730.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	27.3	ng/m ³	V0
Acenaphthylene	0.001	2.93	ng/m ³	V0
Acenaphthene	0.001	2.11	ng/m ³	V0
Fluorene	0.001	1.22	ng/m ³	V0
Phenanthrene	0.001	2.56	ng/m ³	V0
Anthracene	0.001	0.567	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.532	ng/m ³	V0
Pyrene	0.001	0.524	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.181	ng/m ³	V0
Chrysene	0.001	0.161	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.01	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.01	ng/m ³	V0
Benzo(a)pyrene	0.001	0.065	ng/m ³	V0
3-Methylcholanthrene	0.001	0.025	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.055	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.009	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-06-16 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-17 00:00

Set Index: 1
WBEA ID: 220602734
Duration: 24.0 hr

Notes

Low sample volume due to power outage.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		737.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	23.0	ng/m ³	V0
Acenaphthylene	0.001	4.85	ng/m ³	V0
Acenaphthene	0.001	2.52	ng/m ³	V0
Fluorene	0.001	1.68	ng/m ³	V0
Phenanthrene	0.001	1.64	ng/m ³	V0
Anthracene	0.001	0.518	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.419	ng/m ³	V0
Pyrene	0.001	0.523	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.155	ng/m ³	V0
Chrysene	0.001	0.137	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.767	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.767	ng/m ³	V0
Benzo(a)pyrene	0.001	0.082	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-06-16 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-17 00:00

Set Index: 2
WBEA ID: 220602735
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		737.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	23.8	ng/m ³	V0
Acenaphthylene	0.001	5.14	ng/m ³	V0
Acenaphthene	0.001	2.52	ng/m ³	V0
Fluorene	0.001	1.87	ng/m ³	V0
Phenanthrene	0.001	1.70	ng/m ³	V0
Anthracene	0.001	0.560	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.395	ng/m ³	V0
Pyrene	0.001	0.559	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.176	ng/m ³	V0
Chrysene	0.001	0.155	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.733	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.733	ng/m ³	V0
Benzo(a)pyrene	0.001	0.067	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602724
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.8	°C	
Pressure		716.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	25.6	ng/m ³	V0
Acenaphthylene	0.001	6.09	ng/m ³	V0
Acenaphthene	0.001	17.4	ng/m ³	V0
Fluorene	0.001	11.4	ng/m ³	V0
Phenanthrene	0.001	13.8	ng/m ³	V0
Anthracene	0.001	3.53	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	2.36	ng/m ³	V0
Pyrene	0.001	0.910	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.124	ng/m ³	V0
Chrysene	0.001	0.109	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.659	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.658	ng/m ³	V0
Benzo(a)pyrene	0.001	0.065	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.012	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602715
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C	
Pressure		710.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.8	ng/m ³	V0
Acenaphthylene	0.001	4.39	ng/m ³	V0
Acenaphthene	0.001	3.95	ng/m ³	V0
Fluorene	0.001	3.25	ng/m ³	V0
Phenanthrene	0.001	2.27	ng/m ³	V0
Anthracene	0.001	0.598	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.644	ng/m ³	V0
Pyrene	0.001	0.380	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.064	ng/m ³	V0
Chrysene	0.001	0.062	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.722	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.722	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602709
Start Date:	2022-06-16 00:00	End Date:	2022-06-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		718.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.3	ng/m ³	V0
Acenaphthylene	0.001	2.81	ng/m ³	V0
Acenaphthene	0.001	1.50	ng/m ³	V0
Fluorene	0.001	1.49	ng/m ³	V0
Phenanthrene	0.001	0.419	ng/m ³	V0
Anthracene	0.001	0.078	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.023	ng/m ³	V0
Pyrene	0.001	0.083	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.021	ng/m ³	V0
Chrysene	0.001	0.018	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.657	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.656	ng/m ³	V0
Benzo(a)pyrene	0.001	0.059	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602788	
Start Date:	2022-06-20 12:40	End Date:	2022-06-20 12:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.157	ng/m ³	V0
Acenaphthylene	0.001	0.131	ng/m ³	V0
Acenaphthene	0.001	0.195	ng/m ³	V0
Fluorene	0.001	0.053	ng/m ³	V0
Phenanthrene	0.001	0.064	ng/m ³	V0
Anthracene	0.001	0.012	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.004	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.014	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.014	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220602806
Start Date:	2022-06-21 10:55	End Date:	2022-06-21 10:56	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.092	ng/m ³	V0
Acenaphthylene	0.001	0.104	ng/m ³	V0
Acenaphthene	0.001	0.105	ng/m ³	V0
Fluorene	0.001	0.024	ng/m ³	V0
Phenanthrene	0.001	0.061	ng/m ³	V0
Anthracene	0.001	0.015	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.003	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-06-22 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-06-23 00:00

Set Index: 1
WBEA ID: 220602771
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.1	°C	
Pressure		735.0	mmHg	
Sample Volume		310	m ³	V6
Naphthalene	0.001	7.83	ng/m ³	V0
Acenaphthylene	0.001	4.16	ng/m ³	V0
Acenaphthene	0.001	1.91	ng/m ³	V0
Fluorene	0.001	0.505	ng/m ³	V0
Phenanthrene	0.001	0.929	ng/m ³	V0
Anthracene	0.001	0.197	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.244	ng/m ³	V0
Pyrene	0.001	0.158	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.016	ng/m ³	V0
Chrysene	0.001	0.014	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.094	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.094	ng/m ³	V0
Benzo(a)pyrene	0.001	0.028	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602789	
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		18.1	°C	
Pressure		733.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.9	ng/m ³	V0
Acenaphthylene	0.001	6.19	ng/m ³	V0
Acenaphthene	0.001	6.17	ng/m ³	V0
Fluorene	0.001	0.613	ng/m ³	V0
Phenanthrene	0.001	5.28	ng/m ³	V0
Anthracene	0.001	0.981	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.299	ng/m ³	V0
Pyrene	0.001	0.326	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.280	ng/m ³	V0
Chrysene	0.001	0.337	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.349	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.348	ng/m ³	V0
Benzo(a)pyrene	0.001	0.045	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602758
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.9	°C	
Pressure		723.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.9	ng/m ³	V0
Acenaphthylene	0.001	3.20	ng/m ³	V0
Acenaphthene	0.001	2.47	ng/m ³	V0
Fluorene	0.001	1.25	ng/m ³	V0
Phenanthrene	0.001	2.30	ng/m ³	V0
Anthracene	0.001	0.476	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.676	ng/m ³	V0
Pyrene	0.001	0.690	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.138	ng/m ³	V0
Chrysene	0.001	0.127	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.895	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.895	ng/m ³	V0
Benzo(a)pyrene	0.001	0.055	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220602763
Start Date:	2022-06-22 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-06-23 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.4	°C	
Pressure		733.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.3	ng/m ³	V0
Acenaphthylene	0.001	2.98	ng/m ³	V0
Acenaphthene	0.001	1.60	ng/m ³	V0
Fluorene	0.001	0.932	ng/m ³	V0
Phenanthrene	0.001	1.40	ng/m ³	V0
Anthracene	0.001	0.178	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.490	ng/m ³	V0
Pyrene	0.001	0.362	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.131	ng/m ³	V0
Chrysene	0.001	0.116	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.630	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.630	ng/m ³	V0
Benzo(a)pyrene	0.001	0.050	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-06-22 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-23 00:00

Set Index: 2
WBEA ID: 220602764
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C	
Pressure		733.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.1	ng/m ³	V0
Acenaphthylene	0.001	3.10	ng/m ³	V0
Acenaphthene	0.001	1.76	ng/m ³	V0
Fluorene	0.001	0.930	ng/m ³	V0
Phenanthrene	0.001	1.40	ng/m ³	V0
Anthracene	0.001	0.195	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.464	ng/m ³	V0
Pyrene	0.001	0.343	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.135	ng/m ³	V0
Chrysene	0.001	0.101	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.626	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.626	ng/m ³	V0
Benzo(a)pyrene	0.001	0.047	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-06-22 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-06-23 00:00

Set Index: 1
WBEA ID: 220602825
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C	
Pressure		713.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	33.5	ng/m ³	V0
Acenaphthylene	0.001	7.74	ng/m ³	V0
Acenaphthene	0.001	8.31	ng/m ³	V0
Fluorene	0.001	9.68	ng/m ³	V0
Phenanthrene	0.001	12.4	ng/m ³	V0
Anthracene	0.001	3.40	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	3.70	ng/m ³	V0
Pyrene	0.001	1.87	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.237	ng/m ³	V0
Chrysene	0.001	0.148	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.968	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.967	ng/m ³	V0
Benzo(a)pyrene	0.001	0.057	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-06-22 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-06-23 00:00

Set Index: 1
WBEA ID: 220602807
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C	
Pressure		707.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	25.1	ng/m ³	V0
Acenaphthylene	0.001	2.74	ng/m ³	V0
Acenaphthene	0.001	0.469	ng/m ³	V0
Fluorene	0.001	0.071	ng/m ³	V0
Phenanthrene	0.001	0.199	ng/m ³	V0
Anthracene	0.001	0.091	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.327	ng/m ³	V0
Pyrene	0.001	0.071	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.001	ng/m ³	V0
Chrysene	0.001	0.001	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.16	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.16	ng/m ³	V0
Benzo(a)pyrene	0.001	0.057	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602814
Start Date:	2022-06-22 00:00	End Date:	2022-06-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		715.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	26.5	ng/m ³	V0
Acenaphthylene	0.001	2.84	ng/m ³	V0
Acenaphthene	0.001	1.74	ng/m ³	V0
Fluorene	0.001	2.16	ng/m ³	V0
Phenanthrene	0.001	0.971	ng/m ³	V0
Anthracene	0.001	0.248	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.745	ng/m ³	V0
Pyrene	0.001	0.122	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.008	ng/m ³	V0
Chrysene	0.001	0.010	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.990	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.989	ng/m ³	V0
Benzo(a)pyrene	0.001	0.058	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602873	
Start Date:	2022-06-23 12:15	End Date:	2022-06-23 12:16	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.200	ng/m ³	V0
Acenaphthylene	0.001	0.159	ng/m ³	V0
Acenaphthene	0.001	0.237	ng/m ³	V0
Fluorene	0.001	0.076	ng/m ³	V0
Phenanthrene	0.001	0.050	ng/m ³	V0
Anthracene	0.001	0.010	ng/m ³	V0
Acridine	0.001	0.001	ng/m ³	V0
Fluoranthene	0.001	0.007	ng/m ³	V0
Pyrene	0.001	0.003	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.014	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.014	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-06-27 12:00

Samp Use: Field Procedure Blank
Loc ID: JANV
End Date: 2022-06-27 12:01

Set Index: 1
WBEA ID: 220602914
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.096	ng/m ³	V0
Acenaphthylene	0.001	0.073	ng/m ³	V0
Acenaphthene	0.001	0.071	ng/m ³	V0
Fluorene	0.001	0.024	ng/m ³	V0
Phenanthrene	0.001	0.056	ng/m ³	V0
Anthracene	0.001	0.014	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.004	ng/m ³	V0
Pyrene	0.001	0.003	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.003	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Bertha Ganter - Fort McKay
Start Date: 2022-06-28 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-06-29 00:00

Set Index: 1
WBEA ID: 220602877
Duration: 24.0 hr

Notes

Sampler had a power fail warning upon collection of the sample. Resulted in a short sampling duration and low sample volume.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.4	°C	
Pressure		737.4	mmHg	
Sample Volume		282	m ³	V6
Naphthalene	0.001	27.0	ng/m ³	V0
Acenaphthylene	0.001	5.66	ng/m ³	V0
Acenaphthene	0.001	4.72	ng/m ³	V0
Fluorene	0.001	1.71	ng/m ³	V0
Phenanthrene	0.001	2.33	ng/m ³	V0
Anthracene	0.001	0.329	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.701	ng/m ³	V0
Pyrene	0.001	0.405	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.211	ng/m ³	V0
Chrysene	0.001	0.175	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.320	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.320	ng/m ³	V0
Benzo(a)pyrene	0.001	0.051	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220602898
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.7	°C	
Pressure		731.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.7	ng/m ³	V0
Acenaphthylene	0.001	3.48	ng/m ³	V0
Acenaphthene	0.001	1.53	ng/m ³	V0
Fluorene	0.001	1.13	ng/m ³	V0
Phenanthrene	0.001	1.82	ng/m ³	V0
Anthracene	0.001	0.550	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.606	ng/m ³	V0
Pyrene	0.001	0.580	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.128	ng/m ³	V0
Chrysene	0.001	0.110	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.336	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.336	ng/m ³	V0
Benzo(a)pyrene	0.001	0.056	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220602891
Start Date:	2022-06-28 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-06-29 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.3	°C	
Pressure		739.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.6	ng/m ³	V0
Acenaphthylene	0.001	3.45	ng/m ³	V0
Acenaphthene	0.001	2.01	ng/m ³	V0
Fluorene	0.001	1.06	ng/m ³	V0
Phenanthrene	0.001	1.63	ng/m ³	V0
Anthracene	0.001	0.387	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.600	ng/m ³	V0
Pyrene	0.001	0.680	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.110	ng/m ³	V0
Chrysene	0.001	0.096	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.598	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.598	ng/m ³	V0
Benzo(a)pyrene	0.001	0.063	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-06-28 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-06-29 00:00

Set Index: 2
WBEA ID: 220602892
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		739.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.0	ng/m ³	V0
Acenaphthylene	0.001	3.81	ng/m ³	V0
Acenaphthene	0.001	2.25	ng/m ³	V0
Fluorene	0.001	1.06	ng/m ³	V0
Phenanthrene	0.001	1.80	ng/m ³	V0
Anthracene	0.001	0.339	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.686	ng/m ³	V0
Pyrene	0.001	0.651	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.118	ng/m ³	V0
Chrysene	0.001	0.102	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.621	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.621	ng/m ³	V0
Benzo(a)pyrene	0.001	0.071	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220602920
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.8	°C	
Pressure		718.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	33.0	ng/m ³	V0
Acenaphthylene	0.001	13.5	ng/m ³	V0
Acenaphthene	0.001	40.9	ng/m ³	V4
Fluorene	0.001	18.3	ng/m ³	V0
Phenanthrene	0.001	14.9	ng/m ³	V0
Anthracene	0.001	2.70	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	1.31	ng/m ³	V0
Pyrene	0.001	0.550	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.085	ng/m ³	V0
Chrysene	0.001	0.075	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.355	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.355	ng/m ³	V0
Benzo(a)pyrene	0.001	0.052	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602907
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.0	°C	
Pressure		712.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	34.3	ng/m ³	V0
Acenaphthylene	0.001	16.6	ng/m ³	V0
Acenaphthene	0.001	11.4	ng/m ³	V0
Fluorene	0.001	19.8	ng/m ³	V0
Phenanthrene	0.001	11.1	ng/m ³	V0
Anthracene	0.001	3.37	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	5.31	ng/m ³	V0
Pyrene	0.001	5.75	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.541	ng/m ³	V0
Chrysene	0.001	0.795	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.15	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.15	ng/m ³	V0
Benzo(a)pyrene	0.001	0.129	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.032	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.024	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220602913
Start Date:	2022-06-28 00:00	End Date:	2022-06-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C	
Pressure		720.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	34.2	ng/m ³	V0
Acenaphthylene	0.001	4.04	ng/m ³	V0
Acenaphthene	0.001	1.24	ng/m ³	V0
Fluorene	0.001	1.20	ng/m ³	V0
Phenanthrene	0.001	1.17	ng/m ³	V0
Anthracene	0.001	0.344	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.581	ng/m ³	V0
Pyrene	0.001	0.168	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.024	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.13	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.13	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-06-28 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-06-29 00:00

Set Index: 1
WBEA ID: 220602883
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.5	°C	
Pressure		739.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.3	ng/m ³	V0
Acenaphthylene	0.001	3.26	ng/m ³	V0
Acenaphthene	0.001	0.799	ng/m ³	V0
Fluorene	0.001	0.651	ng/m ³	V0
Phenanthrene	0.001	0.469	ng/m ³	V0
Anthracene	0.001	0.056	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.142	ng/m ³	V0
Pyrene	0.001	0.265	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.022	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.23	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.22	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602956	
Start Date:	2022-06-29 11:30	End Date:	2022-06-29 11:31	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.107	ng/m ³	V0
Acenaphthylene	0.001	0.056	ng/m ³	V0
Acenaphthene	0.001	0.099	ng/m ³	V0
Fluorene	0.001	0.026	ng/m ³	V0
Phenanthrene	0.001	0.025	ng/m ³	V0
Anthracene	0.001	0.008	ng/m ³	V0
Acridine	0.001	-8888	ng/m ³	V1
Fluoranthene	0.001	0.004	ng/m ³	V0
Pyrene	0.001	0.004	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	-8888	ng/m ³	V1
Chrysene	0.001	0.001	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220602967
Start Date:	2022-06-29 12:00	End Date:	2022-06-29 12:01	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.078	ng/m ³	V0
Acenaphthylene	0.001	0.064	ng/m ³	V0
Acenaphthene	0.001	0.050	ng/m ³	V0
Fluorene	0.001	0.017	ng/m ³	V0
Phenanthrene	0.001	0.043	ng/m ³	V0
Anthracene	0.001	0.006	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.009	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220602985
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.4	°C	
Pressure		742.7	mmHg	
Sample Volume		312	m ³	V6
Naphthalene	0.001	9.44	ng/m ³	V0
Acenaphthylene	0.001	0.984	ng/m ³	V0
Acenaphthene	0.001	0.856	ng/m ³	V0
Fluorene	0.001	0.832	ng/m ³	V0
Phenanthrene	0.001	0.374	ng/m ³	V0
Anthracene	0.001	0.075	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.335	ng/m ³	V0
Pyrene	0.001	0.105	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.021	ng/m ³	V0
Chrysene	0.001	0.014	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.18	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.17	ng/m ³	V0
Benzo(a)pyrene	0.001	0.031	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-07-04 00:00	Loc ID: BGFM	WBEA ID: 220602957
		End Date: 2022-07-05 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		19.4	°C	
Pressure		738.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.7	ng/m ³	V0
Acenaphthylene	0.001	5.07	ng/m ³	V0
Acenaphthene	0.001	2.86	ng/m ³	V0
Fluorene	0.001	0.611	ng/m ³	V0
Phenanthrene	0.001	1.06	ng/m ³	V0
Anthracene	0.001	0.206	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.324	ng/m ³	V0
Pyrene	0.001	0.228	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.161	ng/m ³	V0
Chrysene	0.001	0.138	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.091	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.091	ng/m ³	V0
Benzo(a)pyrene	0.001	0.027	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-07-04 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-05 00:00

Set Index: 1
WBEA ID: 220602966
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		730.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	29.5	ng/m ³	V0
Acenaphthylene	0.001	3.16	ng/m ³	V0
Acenaphthene	0.001	0.507	ng/m ³	V0
Fluorene	0.001	0.724	ng/m ³	V0
Phenanthrene	0.001	1.13	ng/m ³	V0
Anthracene	0.001	0.266	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.576	ng/m ³	V0
Pyrene	0.001	0.691	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.021	ng/m ³	V0
Chrysene	0.001	0.052	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.926	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.921	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.046	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Athabasca Valley	Samp Use:	Exposure
Start Date:	2022-07-04 00:00	Loc ID:	ATHV
		End Date:	2022-07-05 00:00
		Set Index:	1
		WBEA ID:	220602975
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		18.8	°C	
Pressure		739.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.0	ng/m ³	V0
Acenaphthylene	0.001	2.70	ng/m ³	V0
Acenaphthene	0.001	0.761	ng/m ³	V0
Fluorene	0.001	0.751	ng/m ³	V0
Phenanthrene	0.001	0.670	ng/m ³	V0
Anthracene	0.001	0.091	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.342	ng/m ³	V0
Pyrene	0.001	0.348	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.037	ng/m ³	V0
Chrysene	0.001	0.039	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.807	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.801	ng/m ³	V0
Benzo(a)pyrene	0.001	0.021	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.026	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220602976
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		18.8	°C	
Pressure		739.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.9	ng/m ³	V0
Acenaphthylene	0.001	2.63	ng/m ³	V0
Acenaphthene	0.001	0.729	ng/m ³	V0
Fluorene	0.001	0.708	ng/m ³	V0
Phenanthrene	0.001	0.624	ng/m ³	V0
Anthracene	0.001	0.083	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.322	ng/m ³	V0
Pyrene	0.001	0.333	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.034	ng/m ³	V0
Chrysene	0.001	0.035	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.705	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.701	ng/m ³	V0
Benzo(a)pyrene	0.001	0.019	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Anzac	Samp Use:	Exposure
Start Date:	2022-07-04 00:00	Loc ID:	ANZC
		End Date:	2022-07-05 00:00
		Set Index:	1
		WBEA ID:	220603011
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		16.1	°C	
Pressure		719.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	47.6	ng/m ³	V0
Acenaphthylene	0.001	6.64	ng/m ³	V0
Acenaphthene	0.001	11.9	ng/m ³	V0
Fluorene	0.001	8.20	ng/m ³	V0
Phenanthrene	0.001	4.69	ng/m ³	V0
Anthracene	0.001	1.05	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	2.17	ng/m ³	V0
Pyrene	0.001	1.19	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.021	ng/m ³	V0
Chrysene	0.001	0.022	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.937	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.931	ng/m ³	V0
Benzo(a)pyrene	0.001	0.013	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220602996
Start Date:	2022-07-04 00:00	End Date:	2022-07-05 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.4	°C	
Pressure		713.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.2	ng/m ³	V0
Acenaphthylene	0.001	2.75	ng/m ³	V0
Acenaphthene	0.001	5.30	ng/m ³	V0
Fluorene	0.001	2.81	ng/m ³	V0
Phenanthrene	0.001	1.93	ng/m ³	V0
Anthracene	0.001	0.304	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.627	ng/m ³	V0
Pyrene	0.001	0.275	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.037	ng/m ³	V0
Chrysene	0.001	0.038	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.869	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.863	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-07-04 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-07-05 00:00

Set Index: 1
WBEA ID: 220603001
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		721.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	34.6	ng/m ³	V0
Acenaphthylene	0.001	1.94	ng/m ³	V0
Acenaphthene	0.001	0.522	ng/m ³	V0
Fluorene	0.001	0.925	ng/m ³	V0
Phenanthrene	0.001	0.159	ng/m ³	V0
Anthracene	0.001	0.028	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.208	ng/m ³	V0
Pyrene	0.001	0.062	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.001	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.866	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.861	ng/m ³	V0
Benzo(a)pyrene	0.001	0.035	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay		Loc ID:	BGFM	WBEA ID:	220703066
Start Date:	2022-07-06 12:15		End Date:	2022-07-06 12:16	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.144	ng/m ³	V0
Acenaphthylene	0.001	0.122	ng/m ³	V0
Acenaphthene	0.001	0.188	ng/m ³	V0
Fluorene	0.001	0.053	ng/m ³	V0
Phenanthrene	0.001	0.034	ng/m ³	V0
Anthracene	0.001	0.011	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.010	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.001	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.010	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.010	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.017	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley		Loc ID:	ATHV	WBEA ID:	220703075
Start Date:	2022-07-07 10:10		End Date:	2022-07-07 10:11	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.115	ng/m ³	V0
Acenaphthylene	0.001	0.108	ng/m ³	V0
Acenaphthene	0.001	0.081	ng/m ³	V0
Fluorene	0.001	0.021	ng/m ³	V0
Phenanthrene	0.001	0.043	ng/m ³	V0
Anthracene	0.001	0.009	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.005	ng/m ³	V0
Pyrene	0.001	0.010	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-07-10 00:00	Loc ID:	BGFM
		End Date:	2022-07-11 00:00
		Set Index:	1
		WBEA ID:	220703067
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.3	°C	
Pressure		731.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.8	ng/m ³	V0
Acenaphthylene	0.001	3.46	ng/m ³	V0
Acenaphthene	0.001	2.58	ng/m ³	V0
Fluorene	0.001	0.768	ng/m ³	V0
Phenanthrene	0.001	0.899	ng/m ³	V0
Anthracene	0.001	0.277	ng/m ³	V0
Acridine	0.001	0.016	ng/m ³	V0
Fluoranthene	0.001	0.371	ng/m ³	V0
Pyrene	0.001	0.237	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.058	ng/m ³	V0
Chrysene	0.001	0.064	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.092	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.092	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703091
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.1	°C	
Pressure		723.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.5	ng/m ³	V0
Acenaphthylene	0.001	1.60	ng/m ³	V0
Acenaphthene	0.001	1.64	ng/m ³	V0
Fluorene	0.001	1.09	ng/m ³	V0
Phenanthrene	0.001	0.368	ng/m ³	V0
Anthracene	0.001	0.058	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.247	ng/m ³	V0
Pyrene	0.001	0.033	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.021	ng/m ³	V0
Chrysene	0.001	0.022	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.880	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.875	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703076
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.5	°C	
Pressure		733.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.2	ng/m ³	V0
Acenaphthylene	0.001	6.56	ng/m ³	V0
Acenaphthene	0.001	0.895	ng/m ³	V0
Fluorene	0.001	1.70	ng/m ³	V0
Phenanthrene	0.001	2.23	ng/m ³	V0
Anthracene	0.001	0.389	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	1.62	ng/m ³	V0
Pyrene	0.001	2.06	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.055	ng/m ³	V0
Chrysene	0.001	0.057	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.07	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.07	ng/m ³	V0
Benzo(a)pyrene	0.001	0.077	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703077
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.1	°C	
Pressure		733.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.7	ng/m ³	V0
Acenaphthylene	0.001	6.25	ng/m ³	V0
Acenaphthene	0.001	0.914	ng/m ³	V0
Fluorene	0.001	1.53	ng/m ³	V0
Phenanthrene	0.001	2.46	ng/m ³	V0
Anthracene	0.001	0.383	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	1.56	ng/m ³	V0
Pyrene	0.001	1.93	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.054	ng/m ³	V0
Chrysene	0.001	0.060	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.16	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.15	ng/m ³	V0
Benzo(a)pyrene	0.001	0.075	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-07-10 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-07-11 00:00

Set Index: 1
WBEA ID: 220703083
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C	
Pressure		712.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.42	ng/m ³	V0
Acenaphthylene	0.001	1.72	ng/m ³	V0
Acenaphthene	0.001	2.96	ng/m ³	V0
Fluorene	0.001	1.87	ng/m ³	V0
Phenanthrene	0.001	1.02	ng/m ³	V0
Anthracene	0.001	0.305	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	0.284	ng/m ³	V0
Pyrene	0.001	0.127	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.882	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.876	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.014	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703029
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		18.6	°C	
Pressure		708.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	24.4	ng/m ³	V0
Acenaphthylene	0.001	2.21	ng/m ³	V0
Acenaphthene	0.001	3.40	ng/m ³	V0
Fluorene	0.001	2.76	ng/m ³	V0
Phenanthrene	0.001	2.29	ng/m ³	V0
Anthracene	0.001	0.467	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.903	ng/m ³	V0
Pyrene	0.001	0.552	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.009	ng/m ³	V0
Chrysene	0.001	0.019	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.721	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.716	ng/m ³	V0
Benzo(a)pyrene	0.001	0.018	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703019
Start Date:	2022-07-10 00:00	End Date:	2022-07-11 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		716.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.7	ng/m ³	V0
Acenaphthylene	0.001	2.27	ng/m ³	V0
Acenaphthene	0.001	0.648	ng/m ³	V0
Fluorene	0.001	1.29	ng/m ³	V0
Phenanthrene	0.001	0.245	ng/m ³	V0
Anthracene	0.001	0.073	ng/m ³	V0
Acridine	0.001	0.018	ng/m ³	V0
Fluoranthene	0.001	0.111	ng/m ³	V0
Pyrene	0.001	0.035	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.26	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.25	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 220703153
Start Date:	2022-07-12 00:00	End Date:	2022-07-12 00:01	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.076	ng/m ³	V0
Acenaphthylene	0.001	0.103	ng/m ³	V0
Acenaphthene	0.001	0.077	ng/m ³	V0
Fluorene	0.001	0.025	ng/m ³	V0
Phenanthrene	0.001	0.044	ng/m ³	V0
Anthracene	0.001	0.008	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.006	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703137	
Start Date:	2022-07-12 12:35	End Date:	2022-07-12 12:36	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.103	ng/m ³	V0
Acenaphthylene	0.001	0.070	ng/m ³	V0
Acenaphthene	0.001	0.088	ng/m ³	V0
Fluorene	0.001	0.039	ng/m ³	V0
Phenanthrene	0.001	0.029	ng/m ³	V0
Anthracene	0.001	0.009	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.005	ng/m ³	V0
Pyrene	0.001	0.005	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.001	ng/m ³	V0
Chrysene	0.001	-8888	ng/m ³	V1
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.017	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703149
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C	
Pressure		733.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.80	ng/m ³	V0
Acenaphthylene	0.001	2.23	ng/m ³	V0
Acenaphthene	0.001	0.398	ng/m ³	V0
Fluorene	0.001	1.08	ng/m ³	V0
Phenanthrene	0.001	0.717	ng/m ³	V0
Anthracene	0.001	0.117	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.537	ng/m ³	V0
Pyrene	0.001	0.100	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.020	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.51	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.50	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Bertha Ganter - Fort McKay
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703138
Duration: 24.0 hr

Notes

Upon collection of the sample, sampler had a power fail warning. Resulted in a short sampling duration and low sample volume.(86388/86400)

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C	
Pressure		732.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.3	ng/m ³	V0
Acenaphthylene	0.001	3.31	ng/m ³	V0
Acenaphthene	0.001	2.55	ng/m ³	V0
Fluorene	0.001	1.45	ng/m ³	V0
Phenanthrene	0.001	0.690	ng/m ³	V0
Anthracene	0.001	0.321	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	0.307	ng/m ³	V0
Pyrene	0.001	0.135	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.053	ng/m ³	V0
Chrysene	0.001	0.056	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.088	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.088	ng/m ³	V0
Benzo(a)pyrene	0.001	0.030	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703175
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.8	°C	
Pressure		723.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.5	ng/m ³	V0
Acenaphthylene	0.001	2.30	ng/m ³	V0
Acenaphthene	0.001	0.518	ng/m ³	V0
Fluorene	0.001	0.933	ng/m ³	V0
Phenanthrene	0.001	0.454	ng/m ³	V0
Anthracene	0.001	0.098	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.183	ng/m ³	V0
Pyrene	0.001	0.189	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.027	ng/m ³	V0
Chrysene	0.001	0.029	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.671	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.666	ng/m ³	V0
Benzo(a)pyrene	0.001	0.041	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703167
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.6	°C	
Pressure		733.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.1	ng/m ³	V0
Acenaphthylene	0.001	3.07	ng/m ³	V0
Acenaphthene	0.001	1.29	ng/m ³	V0
Fluorene	0.001	2.10	ng/m ³	V0
Phenanthrene	0.001	0.485	ng/m ³	V0
Anthracene	0.001	0.052	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.437	ng/m ³	V0
Pyrene	0.001	0.463	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.058	ng/m ³	V0
Chrysene	0.001	0.060	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.11	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.10	ng/m ³	V0
Benzo(a)pyrene	0.001	0.032	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.032	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703168
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.6	°C	
Pressure		733.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.0	ng/m ³	V0
Acenaphthylene	0.001	3.17	ng/m ³	V0
Acenaphthene	0.001	1.35	ng/m ³	V0
Fluorene	0.001	1.98	ng/m ³	V0
Phenanthrene	0.001	0.457	ng/m ³	V0
Anthracene	0.001	0.051	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.478	ng/m ³	V0
Pyrene	0.001	0.505	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.054	ng/m ³	V0
Chrysene	0.001	0.056	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.03	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.03	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.029	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-07-16 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-07-17 00:00

Set Index: 1
WBEA ID: 220703162
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.1	°C	
Pressure		712.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.8	ng/m ³	V0
Acenaphthylene	0.001	3.58	ng/m ³	V0
Acenaphthene	0.001	8.97	ng/m ³	V0
Fluorene	0.001	7.16	ng/m ³	V0
Phenanthrene	0.001	4.80	ng/m ³	V0
Anthracene	0.001	0.886	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.16	ng/m ³	V0
Pyrene	0.001	0.678	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.031	ng/m ³	V0
Chrysene	0.001	0.030	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.56	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.55	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.007	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703105
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.0	°C	
Pressure		707.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.7	ng/m ³	V0
Acenaphthylene	0.001	3.37	ng/m ³	V0
Acenaphthene	0.001	8.36	ng/m ³	V0
Fluorene	0.001	6.79	ng/m ³	V0
Phenanthrene	0.001	4.94	ng/m ³	V0
Anthracene	0.001	0.847	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	1.38	ng/m ³	V0
Pyrene	0.001	1.21	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.051	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.09	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.08	ng/m ³	V0
Benzo(a)pyrene	0.001	0.031	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703115
Start Date:	2022-07-16 00:00	End Date:	2022-07-17 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.4	°C	
Pressure		715.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.1	ng/m ³	V0
Acenaphthylene	0.001	3.07	ng/m ³	V0
Acenaphthene	0.001	1.06	ng/m ³	V0
Fluorene	0.001	1.32	ng/m ³	V0
Phenanthrene	0.001	0.423	ng/m ³	V0
Anthracene	0.001	0.042	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.150	ng/m ³	V0
Pyrene	0.001	0.076	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.014	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.680	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.675	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703223	
Start Date:	2022-07-19 12:20	End Date:	2022-07-19 12:21	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.179	ng/m ³	V0
Acenaphthylene	0.001	0.131	ng/m ³	V0
Acenaphthene	0.001	0.159	ng/m ³	V0
Fluorene	0.001	0.062	ng/m ³	V0
Phenanthrene	0.001	0.042	ng/m ³	V0
Anthracene	0.001	0.011	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.009	ng/m ³	V0
Pyrene	0.001	0.007	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.011	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.018	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-07-21 11:50

Samp Use: Field Procedure Blank
Loc ID: ANZC
End Date: 2022-07-21 11:51

Set Index: 1
WBEA ID: 220703238
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.064	ng/m ³	V0
Acenaphthylene	0.001	0.101	ng/m ³	V0
Acenaphthene	0.001	0.038	ng/m ³	V0
Fluorene	0.001	0.023	ng/m ³	V0
Phenanthrene	0.001	0.035	ng/m ³	V0
Anthracene	0.001	0.008	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.005	ng/m ³	V0
Pyrene	0.001	0.008	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-07-22 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-07-23 00:00

Set Index: 1
WBEA ID: 220703233
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.1	°C	
Pressure		738.8	mmHg	
Sample Volume		310	m ³	V6
Naphthalene	0.001	16.1	ng/m ³	V0
Acenaphthylene	0.001	4.07	ng/m ³	V0
Acenaphthene	0.001	1.76	ng/m ³	V0
Fluorene	0.001	1.54	ng/m ³	V0
Phenanthrene	0.001	1.51	ng/m ³	V0
Anthracene	0.001	0.316	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.696	ng/m ³	V0
Pyrene	0.001	0.160	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benzo(a)anthracene	0.001	0.017	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.46	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.45	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-07-22 00:00	Loc ID:	BGFM
		End Date:	2022-07-23 00:00
		Set Index:	1
		WBEA ID:	220703224
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		16.0	°C	
Pressure		734.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.2	ng/m ³	V0
Acenaphthylene	0.001	0.487	ng/m ³	V0
Acenaphthene	0.001	1.45	ng/m ³	V0
Fluorene	0.001	0.548	ng/m ³	V0
Phenanthrene	0.001	0.628	ng/m ³	V0
Anthracene	0.001	0.228	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.172	ng/m ³	V0
Pyrene	0.001	0.094	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.050	ng/m ³	V0
Chrysene	0.001	0.055	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.092	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.091	ng/m ³	V0
Benzo(a)pyrene	0.001	0.023	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.008	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220703252
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		727.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.13	ng/m ³	V0
Acenaphthylene	0.001	1.13	ng/m ³	V0
Acenaphthene	0.001	0.789	ng/m ³	V0
Fluorene	0.001	0.388	ng/m ³	V0
Phenanthrene	0.001	0.324	ng/m ³	V0
Anthracene	0.001	0.092	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.103	ng/m ³	V0
Pyrene	0.001	0.058	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.011	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.738	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.733	ng/m ³	V0
Benzo(a)pyrene	0.001	0.016	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-07-22 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-23 00:00

Set Index: 1
WBEA ID: 220703245
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		736.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	38.4	ng/m ³	V0
Acenaphthylene	0.001	1.82	ng/m ³	V0
Acenaphthene	0.001	0.814	ng/m ³	V0
Fluorene	0.001	0.961	ng/m ³	V0
Phenanthrene	0.001	0.458	ng/m ³	V0
Anthracene	0.001	0.053	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.337	ng/m ³	V0
Pyrene	0.001	0.420	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.061	ng/m ³	V0
Chrysene	0.001	0.064	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.959	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.953	ng/m ³	V0
Benzo(a)pyrene	0.001	0.027	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703246
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		15.2	°C	
Pressure		736.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	37.4	ng/m ³	V0
Acenaphthylene	0.001	1.99	ng/m ³	V0
Acenaphthene	0.001	0.803	ng/m ³	V0
Fluorene	0.001	0.953	ng/m ³	V0
Phenanthrene	0.001	0.415	ng/m ³	V0
Anthracene	0.001	0.050	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.308	ng/m ³	V0
Pyrene	0.001	0.389	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.058	ng/m ³	V0
Chrysene	0.001	0.061	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.944	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.938	ng/m ³	V0
Benzo(a)pyrene	0.001	0.023	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-07-22 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-07-23 00:00

Set Index: 1
WBEA ID: 220703239
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.4	°C	
Pressure		715.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	23.7	ng/m ³	V0
Acenaphthylene	0.001	2.33	ng/m ³	V0
Acenaphthene	0.001	6.50	ng/m ³	V0
Fluorene	0.001	4.54	ng/m ³	V0
Phenanthrene	0.001	2.53	ng/m ³	V0
Anthracene	0.001	0.463	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.579	ng/m ³	V0
Pyrene	0.001	0.300	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.014	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.704	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.700	ng/m ³	V0
Benzo(a)pyrene	0.001	0.016	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703190
Start Date:	2022-07-22 00:00	End Date:	2022-07-23 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.3	°C	
Pressure		709.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.9	ng/m ³	V0
Acenaphthylene	0.001	2.32	ng/m ³	V0
Acenaphthene	0.001	3.82	ng/m ³	V0
Fluorene	0.001	3.13	ng/m ³	V0
Phenanthrene	0.001	2.40	ng/m ³	V0
Anthracene	0.001	0.204	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.672	ng/m ³	V0
Pyrene	0.001	0.283	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.014	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.719	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.714	ng/m ³	V0
Benzo(a)pyrene	0.001	0.028	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-07-22 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-07-23 00:00

Set Index: 1
WBEA ID: 220703203
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		717.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	31.2	ng/m ³	V0
Acenaphthylene	0.001	1.67	ng/m ³	V0
Acenaphthene	0.001	0.797	ng/m ³	V0
Fluorene	0.001	1.05	ng/m ³	V0
Phenanthrene	0.001	0.446	ng/m ³	V0
Anthracene	0.001	0.102	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.175	ng/m ³	V0
Pyrene	0.001	0.296	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.026	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.39	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.38	ng/m ³	V0
Benzo(a)pyrene	0.001	0.031	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.006	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703331	
Start Date:	2022-07-26 08:40	End Date:	2022-07-26 08:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.129	ng/m ³	V0
Acenaphthylene	0.001	0.125	ng/m ³	V0
Acenaphthene	0.001	0.178	ng/m ³	V0
Fluorene	0.001	0.056	ng/m ³	V0
Phenanthrene	0.001	0.038	ng/m ³	V0
Anthracene	0.001	0.011	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.007	ng/m ³	V0
Pyrene	0.001	0.008	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.020	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220703344
Start Date:	2022-07-26 13:10	End Date:	2022-07-26 13:11	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.106	ng/m ³	V0
Acenaphthylene	0.001	0.058	ng/m ³	V0
Acenaphthene	0.001	0.072	ng/m ³	V0
Fluorene	0.001	0.029	ng/m ³	V0
Phenanthrene	0.001	0.030	ng/m ³	V0
Anthracene	0.001	0.007	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.006	ng/m ³	V0
Pyrene	0.001	0.007	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.005	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-07-28 00:00	Loc ID: BGFM	WBEA ID: 220703332
		End Date: 2022-07-29 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		24.7	°C	
Pressure		734.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.3	ng/m ³	V0
Acenaphthylene	0.001	5.66	ng/m ³	V0
Acenaphthene	0.001	3.35	ng/m ³	V0
Fluorene	0.001	1.07	ng/m ³	V0
Phenanthrene	0.001	1.54	ng/m ³	V0
Anthracene	0.001	0.223	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.288	ng/m ³	V0
Pyrene	0.001	0.368	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.037	ng/m ³	V0
Chrysene	0.001	0.051	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.061	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.061	ng/m ³	V0
Benzo(a)pyrene	0.001	0.023	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703301
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		25.7	°C	
Pressure		725.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.8	ng/m ³	V0
Acenaphthylene	0.001	1.61	ng/m ³	V0
Acenaphthene	0.001	2.87	ng/m ³	V0
Fluorene	0.001	4.86	ng/m ³	V0
Phenanthrene	0.001	1.32	ng/m ³	V0
Anthracene	0.001	0.203	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.574	ng/m ³	V0
Pyrene	0.001	0.494	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.061	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.783	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.778	ng/m ³	V0
Benzo(a)pyrene	0.001	0.021	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703290
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.2	°C	
Pressure		735.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.8	ng/m ³	V0
Acenaphthylene	0.001	3.60	ng/m ³	V0
Acenaphthene	0.001	1.49	ng/m ³	V0
Fluorene	0.001	1.48	ng/m ³	V0
Phenanthrene	0.001	0.990	ng/m ³	V0
Anthracene	0.001	0.075	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.351	ng/m ³	V0
Pyrene	0.001	0.416	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.044	ng/m ³	V0
Chrysene	0.001	0.046	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.688	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.683	ng/m ³	V0
Benzo(a)pyrene	0.001	0.022	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220703289
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		24.2	°C	
Pressure		735.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.5	ng/m ³	V0
Acenaphthylene	0.001	3.67	ng/m ³	V0
Acenaphthene	0.001	1.64	ng/m ³	V0
Fluorene	0.001	1.55	ng/m ³	V0
Phenanthrene	0.001	1.01	ng/m ³	V0
Anthracene	0.001	0.075	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.394	ng/m ³	V0
Pyrene	0.001	0.407	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.049	ng/m ³	V0
Chrysene	0.001	0.051	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.662	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.658	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703313
Duration: 24.0 hr

Notes

Partisol indicated power failure. Not indicated on PAH sampler, however may be likely.(86400/86400)

Data

Parameter	MDL	Value	Unit	Flag
Temperature		24.3	°C	
Pressure		715.3	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	25.3	ng/m ³	V0
Acenaphthylene	0.001	7.33	ng/m ³	V0
Acenaphthene	0.001	12.2	ng/m ³	V0
Fluorene	0.001	10.3	ng/m ³	V0
Phenanthrene	0.001	4.92	ng/m ³	V0
Anthracene	0.001	1.44	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	2.66	ng/m ³	V0
Pyrene	0.001	1.60	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.061	ng/m ³	V0
Chrysene	0.001	0.113	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.905	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.899	ng/m ³	V0
Benzo(a)pyrene	0.001	0.027	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703345
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		27.5	°C	
Pressure		709.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	29.3	ng/m ³	V0
Acenaphthylene	0.001	5.72	ng/m ³	V0
Acenaphthene	0.001	9.29	ng/m ³	V0
Fluorene	0.001	7.50	ng/m ³	V0
Phenanthrene	0.001	6.26	ng/m ³	V0
Anthracene	0.001	1.19	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	5.31	ng/m ³	V0
Pyrene	0.001	3.36	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.009	ng/m ³	V0
Chrysene	0.001	0.028	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.910	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.905	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220703351
Start Date:	2022-07-28 00:00	End Date:	2022-07-29 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		23.6	°C	
Pressure		717.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	32.3	ng/m ³	V0
Acenaphthylene	0.001	2.03	ng/m ³	V0
Acenaphthene	0.001	1.24	ng/m ³	V0
Fluorene	0.001	1.90	ng/m ³	V0
Phenanthrene	0.001	1.12	ng/m ³	V0
Anthracene	0.001	0.106	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.359	ng/m ³	V0
Pyrene	0.001	0.171	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.014	ng/m ³	V0
Chrysene	0.001	0.027	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.860	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.855	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-07-28 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-07-29 00:00

Set Index: 1
WBEA ID: 220703306
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		22.1	°C	
Pressure		735.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.5	ng/m ³	V0
Acenaphthylene	0.001	5.19	ng/m ³	V0
Acenaphthene	0.001	1.43	ng/m ³	V0
Fluorene	0.001	0.913	ng/m ³	V0
Phenanthrene	0.001	2.97	ng/m ³	V0
Anthracene	0.001	0.412	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.573	ng/m ³	V0
Pyrene	0.001	0.430	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.079	ng/m ³	V0
Chrysene	0.001	0.073	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.158	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.173	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703398	
Start Date:	2022-07-29 11:30	End Date:	2022-07-29 11:31	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.160	ng/m ³	V0
Acenaphthylene	0.001	0.148	ng/m ³	V0
Acenaphthene	0.001	0.152	ng/m ³	V0
Fluorene	0.001	0.036	ng/m ³	V0
Phenanthrene	0.001	0.053	ng/m ³	V0
Anthracene	0.001	0.024	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.023	ng/m ³	V0
Pyrene	0.001	0.023	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.007	ng/m ³	V0
Chrysene	0.001	0.008	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.015	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 220803457
Start Date:	2022-08-02 15:30	End Date:	2022-08-02 15:31	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.061	ng/m ³	V0
Acenaphthylene	0.001	0.045	ng/m ³	V0
Acenaphthene	0.001	0.029	ng/m ³	V0
Fluorene	0.001	0.017	ng/m ³	V0
Phenanthrene	0.001	0.041	ng/m ³	V0
Anthracene	0.001	0.005	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.010	ng/m ³	V0
Pyrene	0.001	0.008	ng/m ³	V0
Benzo(c)phenanthrene	0.001	-8888	ng/m ³	V1
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	-8888	ng/m ³	V1
Benzo(b)fluoranthene	0.001	0.014	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m ³	V0
Benzo(a)pyrene	0.001	-8888	ng/m ³	V1
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Bertha Ganter - Fort McKay
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220703399
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C	
Pressure		731.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.5	ng/m ³	V0
Acenaphthylene	0.001	7.34	ng/m ³	V0
Acenaphthene	0.001	6.52	ng/m ³	V0
Fluorene	0.001	1.58	ng/m ³	V0
Phenanthrene	0.001	5.02	ng/m ³	V0
Anthracene	0.001	1.07	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.647	ng/m ³	V0
Pyrene	0.001	0.811	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.171	ng/m ³	V0
Chrysene	0.001	0.230	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.871	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.920	ng/m ³	V0
Benzo(a)pyrene	0.001	0.033	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-08-04 00:00

Set Index: 1
WBEA ID: 220803450
Duration: 24.0 hr

Notes

Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.4	°C	
Pressure		723.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	29.1	ng/m ³	V0
Acenaphthylene	0.001	4.28	ng/m ³	V0
Acenaphthene	0.001	1.16	ng/m ³	V0
Fluorene	0.001	1.15	ng/m ³	V0
Phenanthrene	0.001	3.06	ng/m ³	V0
Anthracene	0.001	0.433	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.542	ng/m ³	V0
Pyrene	0.001	0.583	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.039	ng/m ³	V0
Chrysene	0.001	0.038	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.897	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.878	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803416
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		14.5	°C	
Pressure		733.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.6	ng/m ³	V0
Acenaphthylene	0.001	2.42	ng/m ³	V0
Acenaphthene	0.001	1.12	ng/m ³	V0
Fluorene	0.001	0.675	ng/m ³	V0
Phenanthrene	0.001	1.88	ng/m ³	V0
Anthracene	0.001	0.207	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.554	ng/m ³	V0
Pyrene	0.001	0.619	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.193	ng/m ³	V0
Chrysene	0.001	0.183	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.660	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.667	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-08-03 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-04 00:00

Set Index: 2
WBEA ID: 220803417
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.5	°C	
Pressure		733.0	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	20.1	ng/m ³	V0
Acenaphthylene	0.001	2.37	ng/m ³	V0
Acenaphthene	0.001	1.08	ng/m ³	V0
Fluorene	0.001	0.663	ng/m ³	V0
Phenanthrene	0.001	2.20	ng/m ³	V0
Anthracene	0.001	0.257	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.581	ng/m ³	V0
Pyrene	0.001	0.628	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.187	ng/m ³	V0
Chrysene	0.001	0.192	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.613	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.678	ng/m ³	V0
Benzo(a)pyrene	0.001	0.031	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803426
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

Upon collection of the sample, sampler had a powerfail warning. Resulted in a low sample volume.
Raining during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.1	°C	
Pressure		712.5	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	36.5	ng/m ³	V0
Acenaphthylene	0.001	7.80	ng/m ³	V0
Acenaphthene	0.001	6.01	ng/m ³	V0
Fluorene	0.001	3.36	ng/m ³	V0
Phenanthrene	0.001	4.81	ng/m ³	V0
Anthracene	0.001	1.44	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	1.75	ng/m ³	V0
Pyrene	0.001	0.046	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.045	ng/m ³	V0
Chrysene	0.001	0.023	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.726	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.714	ng/m ³	V0
Benzo(a)pyrene	0.001	0.017	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803444
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.1	°C	
Pressure		707.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.4	ng/m ³	V0
Acenaphthylene	0.001	3.15	ng/m ³	V0
Acenaphthene	0.001	4.82	ng/m ³	V0
Fluorene	0.001	3.53	ng/m ³	V0
Phenanthrene	0.001	4.87	ng/m ³	V0
Anthracene	0.001	0.582	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.968	ng/m ³	V0
Pyrene	0.001	0.626	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.219	ng/m ³	V0
Chrysene	0.001	0.236	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.734	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.642	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803458
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.0	°C	
Pressure		714.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	39.7	ng/m ³	V0
Acenaphthylene	0.001	1.91	ng/m ³	V0
Acenaphthene	0.001	0.697	ng/m ³	V0
Fluorene	0.001	0.647	ng/m ³	V0
Phenanthrene	0.001	1.07	ng/m ³	V0
Anthracene	0.001	0.161	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.439	ng/m ³	V0
Pyrene	0.001	0.062	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benzo(a)anthracene	0.001	0.036	ng/m ³	V0
Chrysene	0.001	0.035	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.891	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.913	ng/m ³	V0
Benzo(a)pyrene	0.001	0.042	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803438
Start Date:	2022-08-03 00:00	End Date:	2022-08-04 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.5	°C	
Pressure		734.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.7	ng/m ³	V0
Acenaphthylene	0.001	5.65	ng/m ³	V0
Acenaphthene	0.001	1.07	ng/m ³	V0
Fluorene	0.001	0.682	ng/m ³	V0
Phenanthrene	0.001	1.72	ng/m ³	V0
Anthracene	0.001	0.270	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.471	ng/m ³	V0
Pyrene	0.001	0.219	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.033	ng/m ³	V0
Chrysene	0.001	0.033	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.089	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.098	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-08-04 13:55

Samp Use: Field Procedure Blank
Loc ID: PATM
End Date: 2022-08-04 13:56

Set Index: 1
WBEA ID: 220803478
Duration: 0.0 hr

Notes

Raining during sample deployment and collection.

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.117	ng/m ³	V0
Acenaphthylene	0.001	0.085	ng/m ³	V0
Acenaphthene	0.001	0.091	ng/m ³	V0
Fluorene	0.001	0.016	ng/m ³	V0
Phenanthrene	0.001	0.046	ng/m ³	V0
Anthracene	0.001	0.014	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.011	ng/m ³	V0
Pyrene	0.001	0.009	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.022	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803520	
Start Date:	2022-08-08 10:52	End Date:	2022-08-08 10:53	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.169	ng/m ³	V0
Acenaphthylene	0.001	0.155	ng/m ³	V0
Acenaphthene	0.001	0.144	ng/m ³	V0
Fluorene	0.001	0.043	ng/m ³	V0
Phenanthrene	0.001	0.061	ng/m ³	V0
Anthracene	0.001	0.017	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.014	ng/m ³	V0
Pyrene	0.001	0.028	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.014	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.015	ng/m ³	V0
Benzo(a)pyrene	0.001	-8888	ng/m ³	V1
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-08-09 00:00	Loc ID: BGFM	WBEA ID: 220803535
		End Date: 2022-08-10 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.0	°C	
Pressure		739.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	27.9	ng/m ³	V0
Acenaphthylene	0.001	3.69	ng/m ³	V0
Acenaphthene	0.001	2.49	ng/m ³	V0
Fluorene	0.001	0.862	ng/m ³	V0
Phenanthrene	0.001	3.53	ng/m ³	V0
Anthracene	0.001	0.419	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.453	ng/m ³	V0
Pyrene	0.001	0.214	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.080	ng/m ³	V0
Chrysene	0.001	0.094	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.816	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.861	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220803479
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration: 24.0 hr

Notes

Raining during sample deployment.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		18.6	°C	
Pressure		731.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	33.2	ng/m ³	V0
Acenaphthylene	0.001	12.2	ng/m ³	V0
Acenaphthene	0.001	1.45	ng/m ³	V0
Fluorene	0.001	1.72	ng/m ³	V0
Phenanthrene	0.001	4.90	ng/m ³	V0
Anthracene	0.001	0.671	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	1.11	ng/m ³	V0
Pyrene	0.001	0.697	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.224	ng/m ³	V0
Chrysene	0.001	0.280	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.989	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.914	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803469
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.4	°C	
Pressure		741.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.8	ng/m ³	V0
Acenaphthylene	0.001	6.40	ng/m ³	V0
Acenaphthene	0.001	2.40	ng/m ³	V0
Fluorene	0.001	0.795	ng/m ³	V0
Phenanthrene	0.001	2.20	ng/m ³	V0
Anthracene	0.001	0.201	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.476	ng/m ³	V0
Pyrene	0.001	0.494	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.160	ng/m ³	V0
Chrysene	0.001	0.134	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.559	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.819	ng/m ³	V0
Benzo(a)pyrene	0.001	0.023	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803470
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.4	°C	
Pressure		741.1	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	22.8	ng/m ³	V0
Acenaphthylene	0.001	6.09	ng/m ³	V0
Acenaphthene	0.001	2.14	ng/m ³	V0
Fluorene	0.001	0.739	ng/m ³	V0
Phenanthrene	0.001	2.34	ng/m ³	V0
Anthracene	0.001	0.231	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.518	ng/m ³	V0
Pyrene	0.001	0.442	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.155	ng/m ³	V0
Chrysene	0.001	0.137	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.533	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.772	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-08-09 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-08-10 00:00

Set Index: 1
WBEA ID: 220803463
Duration: 24.0 hr

Notes

Raining during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.9	°C	
Pressure		720.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.6	ng/m ³	V0
Acenaphthylene	0.001	7.09	ng/m ³	V0
Acenaphthene	0.001	6.26	ng/m ³	V0
Fluorene	0.001	7.37	ng/m ³	V0
Phenanthrene	0.001	8.58	ng/m ³	V0
Anthracene	0.001	2.38	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	1.85	ng/m ³	V0
Pyrene	0.001	0.875	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.047	ng/m ³	V0
Chrysene	0.001	0.060	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.785	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.721	ng/m ³	V0
Benzo(a)pyrene	0.001	0.037	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803510
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.5	°C	
Pressure		714.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.8	ng/m ³	V0
Acenaphthylene	0.001	9.58	ng/m ³	V0
Acenaphthene	0.001	4.46	ng/m ³	V0
Fluorene	0.001	3.95	ng/m ³	V0
Phenanthrene	0.001	4.08	ng/m ³	V0
Anthracene	0.001	1.30	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	1.36	ng/m ³	V0
Pyrene	0.001	0.721	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.038	ng/m ³	V0
Chrysene	0.001	0.037	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.989	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.01	ng/m ³	V0
Benzo(a)pyrene	0.001	0.035	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803524
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.6	°C	
Pressure		722.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.4	ng/m ³	V0
Acenaphthylene	0.001	3.20	ng/m ³	V0
Acenaphthene	0.001	2.95	ng/m ³	V0
Fluorene	0.001	1.86	ng/m ³	V0
Phenanthrene	0.001	2.37	ng/m ³	V0
Anthracene	0.001	0.605	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.678	ng/m ³	V0
Pyrene	0.001	0.350	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.017	ng/m ³	V0
Chrysene	0.001	0.032	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.426	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.545	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803486
Start Date:	2022-08-09 00:00	End Date:	2022-08-10 00:00	Duration:	24.0 hr

Notes

Power outage resulted in a low sample volume.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		21.5	°C	
Pressure		739.9	mmHg	
Sample Volume		301	m ³	V6
Naphthalene	0.001	17.1	ng/m ³	V0
Acenaphthylene	0.001	1.88	ng/m ³	V0
Acenaphthene	0.001	0.458	ng/m ³	V0
Fluorene	0.001	0.727	ng/m ³	V0
Phenanthrene	0.001	2.50	ng/m ³	V0
Anthracene	0.001	0.447	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.607	ng/m ³	V0
Pyrene	0.001	0.488	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.090	ng/m ³	V0
Chrysene	0.001	0.127	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.074	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.085	ng/m ³	V0
Benzo(a)pyrene	0.001	0.027	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803578	
Start Date:	2022-08-11 14:55	End Date:	2022-08-11 14:56	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.154	ng/m ³	V0
Acenaphthylene	0.001	0.098	ng/m ³	V0
Acenaphthene	0.001	0.168	ng/m ³	V0
Fluorene	0.001	0.053	ng/m ³	V0
Phenanthrene	0.001	0.085	ng/m ³	V0
Anthracene	0.001	0.022	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.015	ng/m ³	V0
Pyrene	0.001	0.022	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.014	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.016	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220803591
Start Date:	2022-08-12 12:50	End Date:	2022-08-12 12:51	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.071	ng/m ³	V0
Acenaphthylene	0.001	0.087	ng/m ³	V0
Acenaphthene	0.001	0.065	ng/m ³	V0
Fluorene	0.001	0.021	ng/m ³	V0
Phenanthrene	0.001	0.036	ng/m ³	V0
Anthracene	0.001	0.004	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.007	ng/m ³	V0
Pyrene	0.001	0.007	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.024	ng/m ³	V0
Benzo(a)pyrene	0.001	-8888	ng/m ³	V1
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-08-15 00:00	Loc ID:	BGFM
		End Date:	2022-08-16 00:00
		Set Index:	1
		WBEA ID:	220803579
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		21.4	°C	
Pressure		733.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	17.3	ng/m ³	V0
Acenaphthylene	0.001	7.19	ng/m ³	V0
Acenaphthene	0.001	3.03	ng/m ³	V0
Fluorene	0.001	0.787	ng/m ³	V0
Phenanthrene	0.001	2.90	ng/m ³	V0
Anthracene	0.001	0.277	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.248	ng/m ³	V0
Pyrene	0.001	0.406	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.061	ng/m ³	V0
Chrysene	0.001	0.060	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.693	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.764	ng/m ³	V0
Benzo(a)pyrene	0.001	0.025	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-08-15 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-08-16 00:00

Set Index: 1
WBEA ID: 220803585
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.8	°C	
Pressure		726.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	23.4	ng/m ³	V0
Acenaphthylene	0.001	1.49	ng/m ³	V0
Acenaphthene	0.001	2.09	ng/m ³	V0
Fluorene	0.001	0.513	ng/m ³	V0
Phenanthrene	0.001	0.630	ng/m ³	V0
Anthracene	0.001	0.089	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	0.352	ng/m ³	V0
Pyrene	0.001	0.356	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.024	ng/m ³	V0
Chrysene	0.001	0.029	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.781	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.07	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.006	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220803592
Start Date:	2022-08-15 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-08-16 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		20.7	°C	
Pressure		735.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.3	ng/m ³	V0
Acenaphthylene	0.001	3.53	ng/m ³	V0
Acenaphthene	0.001	1.39	ng/m ³	V0
Fluorene	0.001	1.05	ng/m ³	V0
Phenanthrene	0.001	1.83	ng/m ³	V0
Anthracene	0.001	0.188	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.503	ng/m ³	V0
Pyrene	0.001	0.415	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.148	ng/m ³	V0
Chrysene	0.001	0.129	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.580	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.652	ng/m ³	V0
Benzo(a)pyrene	0.001	0.030	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-08-15 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-16 00:00

Set Index: 2
WBEA ID: 220803593
Duration: 24.0 hr

Notes

Gloved finger briefly made contact with filter upon deployment of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.7	°C	
Pressure		735.3	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	23.1	ng/m ³	V0
Acenaphthylene	0.001	3.49	ng/m ³	V0
Acenaphthene	0.001	1.33	ng/m ³	V0
Fluorene	0.001	1.13	ng/m ³	V0
Phenanthrene	0.001	1.70	ng/m ³	V0
Anthracene	0.001	0.189	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.505	ng/m ³	V0
Pyrene	0.001	0.413	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.129	ng/m ³	V0
Chrysene	0.001	0.111	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.615	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.630	ng/m ³	V0
Benzo(a)pyrene	0.001	0.032	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803612
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

Power outage
Power outage resulted in low sampling duration and sample volume.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C	
Pressure		715.1	mmHg	
Sample Volume		286	m ³	V6
Naphthalene	0.001	41.2	ng/m ³	V0
Acenaphthylene	0.001	5.78	ng/m ³	V0
Acenaphthene	0.001	13.7	ng/m ³	V0
Fluorene	0.001	7.61	ng/m ³	V0
Phenanthrene	0.001	9.55	ng/m ³	V0
Anthracene	0.001	0.895	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	1.16	ng/m ³	V0
Pyrene	0.001	0.691	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.179	ng/m ³	V0
Chrysene	0.001	0.183	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.989	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.11	ng/m ³	V0
Benzo(a)pyrene	0.001	0.030	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220803547
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C	
Pressure		710.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	37.9	ng/m ³	V0
Acenaphthylene	0.001	6.28	ng/m ³	V0
Acenaphthene	0.001	16.2	ng/m ³	V0
Fluorene	0.001	10.7	ng/m ³	V0
Phenanthrene	0.001	9.80	ng/m ³	V0
Anthracene	0.001	1.94	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	1.93	ng/m ³	V0
Pyrene	0.001	0.887	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.243	ng/m ³	V0
Chrysene	0.001	0.180	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.05	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.23	ng/m ³	V0
Benzo(a)pyrene	0.001	0.065	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220803613
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.2	°C	
Pressure		718.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.5	ng/m ³	V0
Acenaphthylene	0.001	5.39	ng/m ³	V0
Acenaphthene	0.001	1.45	ng/m ³	V0
Fluorene	0.001	1.14	ng/m ³	V0
Phenanthrene	0.001	1.99	ng/m ³	V0
Anthracene	0.001	0.221	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.359	ng/m ³	V0
Pyrene	0.001	0.422	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benzo(a)anthracene	0.001	0.061	ng/m ³	V0
Chrysene	0.001	0.027	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	1.03	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.888	ng/m ³	V0
Benzo(a)pyrene	0.001	0.032	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803600
Start Date:	2022-08-15 00:00	End Date:	2022-08-16 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.0	°C	
Pressure		735.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.9	ng/m ³	V0
Acenaphthylene	0.001	2.41	ng/m ³	V0
Acenaphthene	0.001	0.401	ng/m ³	V0
Fluorene	0.001	0.045	ng/m ³	V0
Phenanthrene	0.001	0.921	ng/m ³	V0
Anthracene	0.001	0.100	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.250	ng/m ³	V0
Pyrene	0.001	0.170	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.033	ng/m ³	V0
Chrysene	0.001	0.034	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.142	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.163	ng/m ³	V0
Benzo(a)pyrene	0.001	0.020	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan		Loc ID:	FTCH	WBEA ID:	220803617
Start Date:	2022-08-16 12:00		End Date:	2022-08-16 12:01	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.239	ng/m ³	V0
Acenaphthylene	0.001	0.076	ng/m ³	V0
Acenaphthene	0.001	0.079	ng/m ³	V0
Fluorene	0.001	0.030	ng/m ³	V0
Phenanthrene	0.001	0.051	ng/m ³	V0
Anthracene	0.001	0.007	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.016	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.007	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.031	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.033	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803689	
Start Date:	2022-08-18 14:30	End Date:	2022-08-18 14:31	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.103	ng/m ³	V0
Acenaphthylene	0.001	0.085	ng/m ³	V0
Acenaphthene	0.001	0.103	ng/m ³	V0
Fluorene	0.001	0.029	ng/m ³	V0
Phenanthrene	0.001	0.070	ng/m ³	V0
Anthracene	0.001	0.016	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.015	ng/m ³	V0
Pyrene	0.001	0.022	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.010	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-08-21 00:00	Loc ID:	BGFM
		End Date:	2022-08-22 00:00
		Set Index:	1
		WBEA ID:	220803690
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		18.3	°C	
Pressure		739.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.1	ng/m ³	V0
Acenaphthylene	0.001	6.92	ng/m ³	V0
Acenaphthene	0.001	1.57	ng/m ³	V0
Fluorene	0.001	0.756	ng/m ³	V0
Phenanthrene	0.001	5.15	ng/m ³	V0
Anthracene	0.001	0.791	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.173	ng/m ³	V0
Pyrene	0.001	0.645	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.066	ng/m ³	V0
Chrysene	0.001	0.122	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.860	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.880	ng/m ³	V0
Benzo(a)pyrene	0.001	0.030	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-08-21 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-08-22 00:00

Set Index: 1
WBEA ID: 220803669
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.9	°C	
Pressure		731.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	26.9	ng/m ³	V0
Acenaphthylene	0.001	6.13	ng/m ³	V0
Acenaphthene	0.001	1.21	ng/m ³	V0
Fluorene	0.001	0.809	ng/m ³	V0
Phenanthrene	0.001	3.01	ng/m ³	V0
Anthracene	0.001	0.372	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.907	ng/m ³	V0
Pyrene	0.001	0.035	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.251	ng/m ³	V0
Chrysene	0.001	0.272	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.782	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.892	ng/m ³	V0
Benzo(a)pyrene	0.001	0.051	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220803658
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		19.1	°C	
Pressure		743.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.9	ng/m ³	V0
Acenaphthylene	0.001	3.55	ng/m ³	V0
Acenaphthene	0.001	2.36	ng/m ³	V0
Fluorene	0.001	1.69	ng/m ³	V0
Phenanthrene	0.001	3.49	ng/m ³	V0
Anthracene	0.001	0.480	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.707	ng/m ³	V0
Pyrene	0.001	0.425	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.302	ng/m ³	V0
Chrysene	0.001	0.278	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.711	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.620	ng/m ³	V0
Benzo(a)pyrene	0.001	0.043	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-08-21 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-22 00:00

Set Index: 2
WBEA ID: 220803659
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.1	°C	
Pressure		743.2	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	29.7	ng/m ³	V0
Acenaphthylene	0.001	3.42	ng/m ³	V0
Acenaphthene	0.001	2.43	ng/m ³	V0
Fluorene	0.001	1.66	ng/m ³	V0
Phenanthrene	0.001	3.20	ng/m ³	V0
Anthracene	0.001	0.496	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.740	ng/m ³	V0
Pyrene	0.001	0.434	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.273	ng/m ³	V0
Chrysene	0.001	0.283	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.747	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.644	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803645
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		720.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	43.3	ng/m ³	V0
Acenaphthylene	0.001	9.69	ng/m ³	V0
Acenaphthene	0.001	2.72	ng/m ³	V0
Fluorene	0.001	4.07	ng/m ³	V0
Phenanthrene	0.001	8.51	ng/m ³	V0
Anthracene	0.001	0.508	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	4.89	ng/m ³	V0
Pyrene	0.001	2.87	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.252	ng/m ³	V0
Chrysene	0.001	0.274	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.899	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.673	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-08-21 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-08-22 00:00

Set Index: 1
WBEA ID: 220803630
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.9	°C	
Pressure		714.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	51.1	ng/m ³	V0
Acenaphthylene	0.001	6.24	ng/m ³	V0
Acenaphthene	0.001	2.10	ng/m ³	V0
Fluorene	0.001	3.90	ng/m ³	V0
Phenanthrene	0.001	6.13	ng/m ³	V0
Anthracene	0.001	0.862	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	2.17	ng/m ³	V0
Pyrene	0.001	0.985	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.232	ng/m ³	V0
Chrysene	0.001	0.241	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.892	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.970	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-08-21 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-08-22 00:00

Set Index: 1
WBEA ID: 220803638
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.8	°C	
Pressure		722.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.4	ng/m ³	V0
Acenaphthylene	0.001	13.9	ng/m ³	V0
Acenaphthene	0.001	3.99	ng/m ³	V0
Fluorene	0.001	4.17	ng/m ³	V0
Phenanthrene	0.001	3.76	ng/m ³	V0
Anthracene	0.001	0.530	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.709	ng/m ³	V0
Pyrene	0.001	0.857	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.282	ng/m ³	V0
Chrysene	0.001	0.299	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.695	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.10	ng/m ³	V0
Benzo(a)pyrene	0.001	0.037	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803618
Start Date:	2022-08-21 00:00	End Date:	2022-08-22 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		16.4	°C	
Pressure		743.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.0	ng/m ³	V0
Acenaphthylene	0.001	14.0	ng/m ³	V0
Acenaphthene	0.001	0.644	ng/m ³	V0
Fluorene	0.001	1.79	ng/m ³	V0
Phenanthrene	0.001	3.98	ng/m ³	V0
Anthracene	0.001	0.470	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.594	ng/m ³	V0
Pyrene	0.001	1.12	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.067	ng/m ³	V0
Chrysene	0.001	0.083	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.105	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.108	ng/m ³	V0
Benzo(a)pyrene	0.001	0.050	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac		Loc ID:	ANZC	WBEA ID:	220803851
Start Date:	2022-08-22 11:10		End Date:	2022-08-22 11:11	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.089	ng/m ³	V0
Acenaphthylene	0.001	0.076	ng/m ³	V0
Acenaphthene	0.001	0.039	ng/m ³	V0
Fluorene	0.001	0.024	ng/m ³	V0
Phenanthrene	0.001	0.059	ng/m ³	V0
Anthracene	0.001	0.012	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.009	ng/m ³	V0
Pyrene	0.001	0.007	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.002	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.001	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.014	ng/m ³	V0
Benzo(a)pyrene	0.001	-8888	ng/m ³	V1
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220804231	
Start Date:	2022-08-26 13:35	End Date:	2022-08-26 13:36	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.116	ng/m ³	V0
Acenaphthylene	0.001	0.115	ng/m ³	V0
Acenaphthene	0.001	0.157	ng/m ³	V0
Fluorene	0.001	0.060	ng/m ³	V0
Phenanthrene	0.001	0.080	ng/m ³	V0
Anthracene	0.001	0.020	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.017	ng/m ³	V0
Pyrene	0.001	0.018	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.013	ng/m ³	V0
Benzo(a)pyrene	0.001	-8888	ng/m ³	V1
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220804232
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		18.0	°C	
Pressure		722.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	26.3	ng/m ³	V0
Acenaphthylene	0.001	3.93	ng/m ³	V0
Acenaphthene	0.001	4.12	ng/m ³	V0
Fluorene	0.001	1.05	ng/m ³	V0
Phenanthrene	0.001	5.20	ng/m ³	V0
Anthracene	0.001	0.779	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.164	ng/m ³	V0
Pyrene	0.001	0.410	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.071	ng/m ³	V0
Chrysene	0.001	0.092	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.949	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.03	ng/m ³	V0
Benzo(a)pyrene	0.001	0.027	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220803964
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.5	°C	
Pressure		714.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	34.6	ng/m ³	V0
Acenaphthylene	0.001	4.54	ng/m ³	V0
Acenaphthene	0.001	3.89	ng/m ³	V0
Fluorene	0.001	6.69	ng/m ³	V0
Phenanthrene	0.001	4.19	ng/m ³	V0
Anthracene	0.001	0.761	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	1.08	ng/m ³	V0
Pyrene	0.001	1.30	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.374	ng/m ³	V0
Chrysene	0.001	0.390	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.888	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.14	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-08-27 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-28 00:00

Set Index: 1
WBEA ID: 220803951
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C	
Pressure		725.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	34.2	ng/m ³	V0
Acenaphthylene	0.001	3.40	ng/m ³	V0
Acenaphthene	0.001	2.04	ng/m ³	V0
Fluorene	0.001	4.73	ng/m ³	V0
Phenanthrene	0.001	4.51	ng/m ³	V0
Anthracene	0.001	0.517	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.635	ng/m ³	V0
Pyrene	0.001	0.367	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.375	ng/m ³	V0
Chrysene	0.001	0.311	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.708	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.770	ng/m ³	V0
Benzo(a)pyrene	0.001	0.035	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-08-27 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-08-28 00:00

Set Index: 2
WBEA ID: 220803953
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		19.4	°C	
Pressure		725.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	36.4	ng/m ³	V0
Acenaphthylene	0.001	3.31	ng/m ³	V0
Acenaphthene	0.001	2.17	ng/m ³	V0
Fluorene	0.001	4.38	ng/m ³	V0
Phenanthrene	0.001	4.36	ng/m ³	V0
Anthracene	0.001	0.495	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.673	ng/m ³	V0
Pyrene	0.001	0.374	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.356	ng/m ³	V0
Chrysene	0.001	0.305	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.711	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.742	ng/m ³	V0
Benzo(a)pyrene	0.001	0.039	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220803852
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.6	°C	
Pressure		703.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	51.6	ng/m ³	V0
Acenaphthylene	0.001	7.55	ng/m ³	V0
Acenaphthene	0.001	11.1	ng/m ³	V0
Fluorene	0.001	9.51	ng/m ³	V0
Phenanthrene	0.001	9.34	ng/m ³	V0
Anthracene	0.001	0.750	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	4.24	ng/m ³	V0
Pyrene	0.001	3.14	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.530	ng/m ³	V0
Chrysene	0.001	0.537	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.937	ng/m ³	V0
Benzo(k)fluoranthene	0.001	1.00	ng/m ³	V0
Benzo(a)pyrene	0.001	0.061	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220804152
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		21.9	°C	
Pressure		697.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	32.1	ng/m ³	V0
Acenaphthylene	0.001	5.03	ng/m ³	V0
Acenaphthene	0.001	9.88	ng/m ³	V0
Fluorene	0.001	8.17	ng/m ³	V0
Phenanthrene	0.001	9.64	ng/m ³	V0
Anthracene	0.001	1.06	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	2.46	ng/m ³	V0
Pyrene	0.001	1.61	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.155	ng/m ³	V0
Chrysene	0.001	0.150	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.796	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.833	ng/m ³	V0
Benzo(a)pyrene	0.001	0.032	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220804168
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

Low sample volume caused by power outage.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		18.9	°C	
Pressure		704.3	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	24.5	ng/m ³	V0
Acenaphthylene	0.001	4.78	ng/m ³	V0
Acenaphthene	0.001	0.977	ng/m ³	V0
Fluorene	0.001	3.56	ng/m ³	V0
Phenanthrene	0.001	1.85	ng/m ³	V0
Anthracene	0.001	0.326	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	1.47	ng/m ³	V0
Pyrene	0.001	1.46	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.010	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.913	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.813	ng/m ³	V0
Benzo(a)pyrene	0.001	0.048	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220803959
Start Date:	2022-08-27 00:00	End Date:	2022-08-28 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		20.3	°C	
Pressure		725.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.4	ng/m ³	V0
Acenaphthylene	0.001	9.17	ng/m ³	V0
Acenaphthene	0.001	1.87	ng/m ³	V0
Fluorene	0.001	3.75	ng/m ³	V0
Phenanthrene	0.001	6.80	ng/m ³	V0
Anthracene	0.001	0.650	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.811	ng/m ³	V0
Pyrene	0.001	1.86	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benz(a)anthracene	0.001	0.118	ng/m ³	V0
Chrysene	0.001	0.193	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.129	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.132	ng/m ³	V0
Benzo(a)pyrene	0.001	0.041	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Conklin	Loc ID:	CONK	WBEA ID: 220804263
Start Date:	2022-08-30 12:50	End Date:	2022-08-30 12:51	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.196	ng/m ³	V0
Acenaphthylene	0.001	0.074	ng/m ³	V0
Acenaphthene	0.001	0.094	ng/m ³	V0
Fluorene	0.001	0.032	ng/m ³	V0
Phenanthrene	0.001	0.065	ng/m ³	V0
Anthracene	0.001	0.013	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.012	ng/m ³	V0
Pyrene	0.001	0.008	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.022	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.024	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904319	
Start Date:	2022-09-01 11:45	End Date:	2022-09-01 11:46	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.192	ng/m ³	V0
Acenaphthylene	0.001	0.142	ng/m ³	V0
Acenaphthene	0.001	0.144	ng/m ³	V0
Fluorene	0.001	0.051	ng/m ³	V0
Phenanthrene	0.001	0.072	ng/m ³	V0
Anthracene	0.001	0.018	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.013	ng/m ³	V0
Pyrene	0.001	0.022	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.010	ng/m ³	V0
Chrysene	0.001	0.008	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.014	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.013	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904320
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.9	°C	
Pressure		732.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.0	ng/m ³	V0
Acenaphthylene	0.001	6.67	ng/m ³	V0
Acenaphthene	0.001	2.96	ng/m ³	V0
Fluorene	0.001	1.34	ng/m ³	V0
Phenanthrene	0.001	4.76	ng/m ³	V0
Anthracene	0.001	0.352	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.800	ng/m ³	V0
Pyrene	0.001	0.905	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.015	ng/m ³	V0
Benzo(a)anthracene	0.001	0.089	ng/m ³	V0
Chrysene	0.001	0.145	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.112	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.110	ng/m ³	V0
Benzo(a)pyrene	0.001	0.048	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904298
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		17.7	°C	
Pressure		723.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.9	ng/m ³	V0
Acenaphthylene	0.001	3.69	ng/m ³	V0
Acenaphthene	0.001	0.732	ng/m ³	V0
Fluorene	0.001	1.33	ng/m ³	V0
Phenanthrene	0.001	2.82	ng/m ³	V0
Anthracene	0.001	0.416	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.953	ng/m ³	V0
Pyrene	0.001	0.811	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.066	ng/m ³	V0
Chrysene	0.001	0.101	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.115	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.134	ng/m ³	V0
Benzo(a)pyrene	0.001	0.058	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.032	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220804284
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		16.5	°C	
Pressure		736.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.6	ng/m ³	V0
Acenaphthylene	0.001	3.39	ng/m ³	V0
Acenaphthene	0.001	0.720	ng/m ³	V0
Fluorene	0.001	0.929	ng/m ³	V0
Phenanthrene	0.001	2.64	ng/m ³	V0
Anthracene	0.001	0.373	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.726	ng/m ³	V0
Pyrene	0.001	0.720	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.050	ng/m ³	V0
Chrysene	0.001	0.080	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.079	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.082	ng/m ³	V0
Benzo(a)pyrene	0.001	0.048	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-09-02 00:00

Deployment Information

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-09-03 00:00

Set Index: 2
WBEA ID: 220804285
Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		16.5	°C	
Pressure		736.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.7	ng/m ³	V0
Acenaphthylene	0.001	3.63	ng/m ³	V0
Acenaphthene	0.001	0.746	ng/m ³	V0
Fluorene	0.001	0.927	ng/m ³	V0
Phenanthrene	0.001	2.82	ng/m ³	V0
Anthracene	0.001	0.405	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.783	ng/m ³	V0
Pyrene	0.001	0.739	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.054	ng/m ³	V0
Chrysene	0.001	0.084	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.080	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.097	ng/m ³	V0
Benzo(a)pyrene	0.001	0.052	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220804276
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.3	°C	
Pressure		714.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	35.5	ng/m ³	V0
Acenaphthylene	0.001	9.29	ng/m ³	V0
Acenaphthene	0.001	12.6	ng/m ³	V0
Fluorene	0.001	10.3	ng/m ³	V0
Phenanthrene	0.001	13.6	ng/m ³	V0
Anthracene	0.001	1.40	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	1.32	ng/m ³	V0
Pyrene	0.001	0.556	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.017	ng/m ³	V0
Chrysene	0.001	0.047	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.139	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.129	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220804264
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.7	°C	
Pressure		709.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	53.0	ng/m ³	V0
Acenaphthylene	0.001	9.85	ng/m ³	V0
Acenaphthene	0.001	13.3	ng/m ³	V0
Fluorene	0.001	11.4	ng/m ³	V0
Phenanthrene	0.001	16.9	ng/m ³	V0
Anthracene	0.001	1.66	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	3.18	ng/m ³	V0
Pyrene	0.001	1.61	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.068	ng/m ³	V0
Chrysene	0.001	0.228	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.117	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.100	ng/m ³	V0
Benzo(a)pyrene	0.001	0.069	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.030	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220804271
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.4	°C	
Pressure		716.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	41.7	ng/m ³	V0
Acenaphthylene	0.001	3.59	ng/m ³	V0
Acenaphthene	0.001	0.596	ng/m ³	V0
Fluorene	0.001	0.082	ng/m ³	V0
Phenanthrene	0.001	1.48	ng/m ³	V0
Anthracene	0.001	0.255	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.083	ng/m ³	V0
Pyrene	0.001	0.501	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.028	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.119	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.111	ng/m ³	V0
Benzo(a)pyrene	0.001	0.041	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220804246
Start Date:	2022-09-02 00:00	End Date:	2022-09-03 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		18.0	°C	
Pressure		739.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.2	ng/m ³	V0
Acenaphthylene	0.001	2.43	ng/m ³	V0
Acenaphthene	0.001	1.01	ng/m ³	V0
Fluorene	0.001	0.731	ng/m ³	V0
Phenanthrene	0.001	2.19	ng/m ³	V0
Anthracene	0.001	0.266	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.397	ng/m ³	V0
Pyrene	0.001	0.354	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.049	ng/m ³	V0
Chrysene	0.001	0.067	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.157	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.157	ng/m ³	V0
Benzo(a)pyrene	0.001	0.036	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-09-06 11:45

Samp Use: Field Procedure Blank
Loc ID: JANV
End Date: 2022-09-06 11:46

Set Index: 1
WBEA ID: 220904356
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.208	ng/m ³	V0
Acenaphthylene	0.001	0.096	ng/m ³	V0
Acenaphthene	0.001	0.069	ng/m ³	V0
Fluorene	0.001	0.021	ng/m ³	V0
Phenanthrene	0.001	0.075	ng/m ³	V0
Anthracene	0.001	0.015	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.020	ng/m ³	V0
Pyrene	0.001	0.010	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.020	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904395	
Start Date:	2022-09-07 08:05	End Date:	2022-09-07 08:06	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.151	ng/m ³	V0
Acenaphthylene	0.001	0.144	ng/m ³	V0
Acenaphthene	0.001	0.109	ng/m ³	V0
Fluorene	0.001	0.033	ng/m ³	V0
Phenanthrene	0.001	0.075	ng/m ³	V0
Anthracene	0.001	0.018	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.014	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.007	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.013	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-09-08 00:00	Loc ID:	BGFM
		End Date:	2022-09-09 00:00
		Set Index:	1
		WBEA ID:	220904406
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.7	°C	
Pressure		734.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.94	ng/m ³	V0
Acenaphthylene	0.001	8.44	ng/m ³	V0
Acenaphthene	0.001	1.74	ng/m ³	V0
Fluorene	0.001	0.800	ng/m ³	V0
Phenanthrene	0.001	3.30	ng/m ³	V0
Anthracene	0.001	0.204	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.230	ng/m ³	V0
Pyrene	0.001	0.144	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.072	ng/m ³	V0
Chrysene	0.001	0.070	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.088	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.084	ng/m ³	V0
Benzo(a)pyrene	0.001	0.050	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	220904385
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.9	°C	
Pressure		727.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.4	ng/m ³	V0
Acenaphthylene	0.001	7.17	ng/m ³	V0
Acenaphthene	0.001	0.487	ng/m ³	V0
Fluorene	0.001	0.615	ng/m ³	V0
Phenanthrene	0.001	4.42	ng/m ³	V0
Anthracene	0.001	0.416	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.433	ng/m ³	V0
Pyrene	0.001	0.380	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.030	ng/m ³	V0
Chrysene	0.001	0.028	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.067	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.055	ng/m ³	V0
Benzo(a)pyrene	0.001	0.021	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220904373
Start Date:	2022-09-08 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-09-09 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.1	°C	
Pressure		738.6	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	10.8	ng/m ³	V0
Acenaphthylene	0.001	2.70	ng/m ³	V0
Acenaphthene	0.001	0.543	ng/m ³	V0
Fluorene	0.001	0.403	ng/m ³	V0
Phenanthrene	0.001	0.707	ng/m ³	V0
Anthracene	0.001	0.078	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.520	ng/m ³	V0
Pyrene	0.001	0.450	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.022	ng/m ³	V0
Chrysene	0.001	0.028	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.059	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.051	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904374
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.1	°C	
Pressure		738.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.9	ng/m ³	V0
Acenaphthylene	0.001	2.63	ng/m ³	V0
Acenaphthene	0.001	0.541	ng/m ³	V0
Fluorene	0.001	0.420	ng/m ³	V0
Phenanthrene	0.001	0.744	ng/m ³	V0
Anthracene	0.001	0.077	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.544	ng/m ³	V0
Pyrene	0.001	0.492	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.027	ng/m ³	V0
Chrysene	0.001	0.026	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.060	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.052	ng/m ³	V0
Benzo(a)pyrene	0.001	0.027	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904368
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.7	°C	
Pressure		715.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	37.9	ng/m ³	V0
Acenaphthylene	0.001	3.17	ng/m ³	V0
Acenaphthene	0.001	1.52	ng/m ³	V0
Fluorene	0.001	0.766	ng/m ³	V0
Phenanthrene	0.001	2.29	ng/m ³	V0
Anthracene	0.001	0.366	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.617	ng/m ³	V0
Pyrene	0.001	0.450	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.021	ng/m ³	V0
Chrysene	0.001	0.033	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.097	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.107	ng/m ³	V0
Benzo(a)pyrene	0.001	0.037	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-09-08 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-09-09 00:00

Set Index: 1
WBEA ID: 220904355
Duration: 24.0 hr

Notes

gloved finger brushed filter paper.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.3	°C	
Pressure		710.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.42	ng/m ³	V0
Acenaphthylene	0.001	1.98	ng/m ³	V0
Acenaphthene	0.001	3.41	ng/m ³	V0
Fluorene	0.001	2.76	ng/m ³	V0
Phenanthrene	0.001	6.22	ng/m ³	V0
Anthracene	0.001	0.578	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	1.17	ng/m ³	V0
Pyrene	0.001	0.393	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.024	ng/m ³	V0
Chrysene	0.001	0.019	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.041	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.043	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904362
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.9	°C	
Pressure		717.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.67	ng/m ³	V0
Acenaphthylene	0.001	1.97	ng/m ³	V0
Acenaphthene	0.001	0.382	ng/m ³	V0
Fluorene	0.001	0.246	ng/m ³	V0
Phenanthrene	0.001	0.459	ng/m ³	V0
Anthracene	0.001	0.054	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.057	ng/m ³	V0
Pyrene	0.001	0.048	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.017	ng/m ³	V0
Chrysene	0.001	0.013	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.073	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.073	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-09-08 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-09-09 00:00

Set Index: 1
WBEA ID: 220904340
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.0	°C	
Pressure		737.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	34.5	ng/m ³	V0
Acenaphthylene	0.001	0.207	ng/m ³	V0
Acenaphthene	0.001	0.357	ng/m ³	V0
Fluorene	0.001	0.267	ng/m ³	V0
Phenanthrene	0.001	1.05	ng/m ³	V0
Anthracene	0.001	0.110	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.432	ng/m ³	V0
Pyrene	0.001	0.417	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.028	ng/m ³	V0
Chrysene	0.001	0.030	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.163	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.165	ng/m ³	V0
Benzo(a)pyrene	0.001	0.025	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes		Loc ID:	PATM	WBEA ID:	220904447
Start Date:	2022-09-09 10:10		End Date:	2022-09-09 10:11	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.198	ng/m ³	V0
Acenaphthylene	0.001	0.090	ng/m ³	V0
Acenaphthene	0.001	0.074	ng/m ³	V0
Fluorene	0.001	0.035	ng/m ³	V0
Phenanthrene	0.001	0.059	ng/m ³	V0
Anthracene	0.001	0.010	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.022	ng/m ³	V0
Pyrene	0.001	0.011	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.020	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.001	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904470	
Start Date:	2022-09-09 11:10	End Date:	2022-09-09 11:11	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.183	ng/m ³	V0
Acenaphthylene	0.001	0.173	ng/m ³	V0
Acenaphthene	0.001	0.165	ng/m ³	V0
Fluorene	0.001	0.045	ng/m ³	V0
Phenanthrene	0.001	0.081	ng/m ³	V0
Anthracene	0.001	0.020	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.009	ng/m ³	V0
Pyrene	0.001	0.017	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.009	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904471
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Small fly found on filter upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		14.8	°C	
Pressure		733.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.01	ng/m ³	V0
Acenaphthylene	0.001	6.51	ng/m ³	V0
Acenaphthene	0.001	2.47	ng/m ³	V0
Fluorene	0.001	1.65	ng/m ³	V0
Phenanthrene	0.001	2.97	ng/m ³	V0
Anthracene	0.001	0.328	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.260	ng/m ³	V0
Pyrene	0.001	0.200	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.083	ng/m ³	V0
Chrysene	0.001	0.099	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.077	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.082	ng/m ³	V0
Benzo(a)pyrene	0.001	0.043	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Patricia McInnes	Samp Use: Exposure	WBEA ID: 220904449
Start Date:	2022-09-14 00:00	Loc ID: PATM	Duration: 24.0 hr
		End Date: 2022-09-15 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		15.6	°C	
Pressure		726.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.91	ng/m ³	V0
Acenaphthylene	0.001	2.16	ng/m ³	V0
Acenaphthene	0.001	0.509	ng/m ³	V0
Fluorene	0.001	0.492	ng/m ³	V0
Phenanthrene	0.001	1.17	ng/m ³	V0
Anthracene	0.001	0.213	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.305	ng/m ³	V0
Pyrene	0.001	0.266	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.049	ng/m ³	V0
Chrysene	0.001	0.047	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.052	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.050	ng/m ³	V0
Benzo(a)pyrene	0.001	0.035	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.021	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904445
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		14.6	°C	
Pressure		738.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.66	ng/m ³	V0
Acenaphthylene	0.001	4.12	ng/m ³	V0
Acenaphthene	0.001	1.21	ng/m ³	V0
Fluorene	0.001	0.895	ng/m ³	V0
Phenanthrene	0.001	2.44	ng/m ³	V0
Anthracene	0.001	0.264	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.519	ng/m ³	V0
Pyrene	0.001	0.544	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.089	ng/m ³	V0
Chrysene	0.001	0.113	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.078	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.078	ng/m ³	V0
Benzo(a)pyrene	0.001	0.065	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904446
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

Raining during sample collection.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		14.6	°C	
Pressure		738.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.64	ng/m ³	V0
Acenaphthylene	0.001	4.09	ng/m ³	V0
Acenaphthene	0.001	1.13	ng/m ³	V0
Fluorene	0.001	0.893	ng/m ³	V0
Phenanthrene	0.001	2.18	ng/m ³	V0
Anthracene	0.001	0.282	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.530	ng/m ³	V0
Pyrene	0.001	0.553	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.085	ng/m ³	V0
Chrysene	0.001	0.118	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.077	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.077	ng/m ³	V0
Benzo(a)pyrene	0.001	0.062	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-09-14 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-09-15 00:00

Set Index: 1
WBEA ID: 220904427
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.0	°C	
Pressure		715.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.7	ng/m ³	V0
Acenaphthylene	0.001	8.35	ng/m ³	V0
Acenaphthene	0.001	13.2	ng/m ³	V0
Fluorene	0.001	7.26	ng/m ³	V0
Phenanthrene	0.001	9.32	ng/m ³	V0
Anthracene	0.001	1.63	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.793	ng/m ³	V0
Pyrene	0.001	0.250	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.019	ng/m ³	V0
Chrysene	0.001	0.022	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.027	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.026	ng/m ³	V0
Benzo(a)pyrene	0.001	0.024	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904482
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		10.6	°C	
Pressure		710.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	42.6	ng/m ³	V0
Acenaphthylene	0.001	5.80	ng/m ³	V0
Acenaphthene	0.001	13.3	ng/m ³	V0
Fluorene	0.001	8.07	ng/m ³	V0
Phenanthrene	0.001	10.6	ng/m ³	V0
Anthracene	0.001	1.19	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.65	ng/m ³	V0
Pyrene	0.001	0.914	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.119	ng/m ³	V0
Chrysene	0.001	0.091	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.016	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.073	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.072	ng/m ³	V0
Benzo(a)pyrene	0.001	0.086	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.028	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.023	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-09-14 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-09-15 00:00

Set Index: 1
WBEA ID: 220904496
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		717.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	4.95	ng/m ³	V0
Acenaphthylene	0.001	2.06	ng/m ³	V0
Acenaphthene	0.001	0.378	ng/m ³	V0
Fluorene	0.001	0.580	ng/m ³	V0
Phenanthrene	0.001	0.841	ng/m ³	V0
Anthracene	0.001	0.076	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.084	ng/m ³	V0
Pyrene	0.001	0.088	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.033	ng/m ³	V0
Chrysene	0.001	0.028	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.027	ng/m ³	V0
Benzo(a)pyrene	0.001	0.019	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	220904484
Start Date:	2022-09-14 00:00	End Date:	2022-09-15 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		14.4	°C	
Pressure		736.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	61.0	ng/m ³	V0
Acenaphthylene	0.001	2.58	ng/m ³	V0
Acenaphthene	0.001	0.620	ng/m ³	V0
Fluorene	0.001	0.409	ng/m ³	V0
Phenanthrene	0.001	1.42	ng/m ³	V0
Anthracene	0.001	0.105	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.528	ng/m ³	V0
Pyrene	0.001	0.489	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.034	ng/m ³	V0
Chrysene	0.001	0.044	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.206	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.201	ng/m ³	V0
Benzo(a)pyrene	0.001	0.030	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904515	
Start Date:	2022-09-15 10:35	End Date:	2022-09-15 10:36	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.122	ng/m ³	V0
Acenaphthylene	0.001	0.163	ng/m ³	V0
Acenaphthene	0.001	0.129	ng/m ³	V0
Fluorene	0.001	0.051	ng/m ³	V0
Phenanthrene	0.001	0.092	ng/m ³	V0
Anthracene	0.001	0.016	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.016	ng/m ³	V0
Pyrene	0.001	0.018	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.012	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	220904564
Start Date:	2022-09-19 10:25	End Date:	2022-09-19 10:26	Duration:	0.0 hr

Notes

Raining during sample deployment/collection.

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.174	ng/m ³	V0
Acenaphthylene	0.001	0.051	ng/m ³	V0
Acenaphthene	0.001	0.070	ng/m ³	V0
Fluorene	0.001	0.040	ng/m ³	V0
Phenanthrene	0.001	0.049	ng/m ³	V0
Anthracene	0.001	0.006	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.008	ng/m ³	V0
Pyrene	0.001	0.013	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-09-20 00:00	Loc ID:	BGFM
		End Date:	2022-09-21 00:00
		Set Index:	1
		WBEA ID:	220904516
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		10.1	°C	
Pressure		738.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.44	ng/m ³	V0
Acenaphthylene	0.001	5.54	ng/m ³	V0
Acenaphthene	0.001	2.02	ng/m ³	V0
Fluorene	0.001	1.68	ng/m ³	V0
Phenanthrene	0.001	3.20	ng/m ³	V0
Anthracene	0.001	0.215	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.176	ng/m ³	V0
Pyrene	0.001	0.146	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.067	ng/m ³	V0
Chrysene	0.001	0.062	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.029	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.036	ng/m ³	V0
Benzo(a)pyrene	0.001	0.040	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 220904551
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration: 24.0 hr

Notes

Raining during sample deployment.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		11.9	°C	
Pressure		731.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	4.24	ng/m ³	V0
Acenaphthylene	0.001	1.86	ng/m ³	V0
Acenaphthene	0.001	0.175	ng/m ³	V0
Fluorene	0.001	0.519	ng/m ³	V0
Phenanthrene	0.001	0.718	ng/m ³	V0
Anthracene	0.001	0.101	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.112	ng/m ³	V0
Pyrene	0.001	0.098	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.031	ng/m ³	V0
Chrysene	0.001	0.035	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.028	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.028	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 220904565
Start Date:	2022-09-20 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-09-21 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		10.5	°C	
Pressure		743.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.5	ng/m ³	V0
Acenaphthylene	0.001	1.43	ng/m ³	V0
Acenaphthene	0.001	0.410	ng/m ³	V0
Fluorene	0.001	0.528	ng/m ³	V0
Phenanthrene	0.001	1.99	ng/m ³	V0
Anthracene	0.001	0.316	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.597	ng/m ³	V0
Pyrene	0.001	0.458	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.091	ng/m ³	V0
Chrysene	0.001	0.155	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.059	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.071	ng/m ³	V0
Benzo(a)pyrene	0.001	0.039	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.032	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904577
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.0	°C	
Pressure		720.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	4.63	ng/m ³	V0
Acenaphthylene	0.001	2.19	ng/m ³	V0
Acenaphthene	0.001	1.59	ng/m ³	V0
Fluorene	0.001	0.994	ng/m ³	V0
Phenanthrene	0.001	1.48	ng/m ³	V0
Anthracene	0.001	0.226	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.221	ng/m ³	V0
Pyrene	0.001	0.061	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.028	ng/m ³	V0
Chrysene	0.001	0.036	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.036	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.038	ng/m ³	V0
Benzo(a)pyrene	0.001	0.022	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904578
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		8.0	°C	
Pressure		720.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	4.51	ng/m ³	V0
Acenaphthylene	0.001	2.05	ng/m ³	V0
Acenaphthene	0.001	1.76	ng/m ³	V0
Fluorene	0.001	0.975	ng/m ³	V0
Phenanthrene	0.001	1.54	ng/m ³	V0
Anthracene	0.001	0.203	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.235	ng/m ³	V0
Pyrene	0.001	0.055	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.028	ng/m ³	V0
Chrysene	0.001	0.033	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.035	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.040	ng/m ³	V0
Benzo(a)pyrene	0.001	0.020	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904554
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.7	°C	
Pressure		713.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.3	ng/m ³	V0
Acenaphthylene	0.001	3.46	ng/m ³	V0
Acenaphthene	0.001	5.56	ng/m ³	V0
Fluorene	0.001	3.56	ng/m ³	V0
Phenanthrene	0.001	6.65	ng/m ³	V0
Anthracene	0.001	1.03	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	1.34	ng/m ³	V0
Pyrene	0.001	0.612	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.087	ng/m ³	V0
Chrysene	0.001	0.137	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.056	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.072	ng/m ³	V0
Benzo(a)pyrene	0.001	0.044	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.025	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904568
Start Date:	2022-09-20 00:00	End Date:	2022-09-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		9.2	°C	
Pressure		721.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.70	ng/m ³	V0
Acenaphthylene	0.001	1.91	ng/m ³	V0
Acenaphthene	0.001	0.524	ng/m ³	V0
Fluorene	0.001	0.668	ng/m ³	V0
Phenanthrene	0.001	4.26	ng/m ³	V0
Anthracene	0.001	0.369	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.238	ng/m ³	V0
Pyrene	0.001	0.205	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.052	ng/m ³	V0
Chrysene	0.001	0.082	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.061	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.062	ng/m ³	V0
Benzo(a)pyrene	0.001	0.040	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Fort Chipewyan	Samp Use: Exposure	WBEA ID: 220904540
Start Date:	2022-09-20 00:00	Loc ID: FTCH	Duration: 24.0 hr
		End Date: 2022-09-21 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		10.5	°C	
Pressure		742.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	34.9	ng/m ³	V0
Acenaphthylene	0.001	1.14	ng/m ³	V0
Acenaphthene	0.001	0.241	ng/m ³	V0
Fluorene	0.001	0.144	ng/m ³	V0
Phenanthrene	0.001	0.856	ng/m ³	V0
Anthracene	0.001	0.107	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.646	ng/m ³	V0
Pyrene	0.001	0.550	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.043	ng/m ³	V0
Chrysene	0.001	0.044	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.148	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.158	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904590	
Start Date:	2022-09-21 08:15	End Date:	2022-09-21 08:16	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.215	ng/m ³	V0
Acenaphthylene	0.001	0.161	ng/m ³	V0
Acenaphthene	0.001	0.131	ng/m ³	V0
Fluorene	0.001	0.055	ng/m ³	V0
Phenanthrene	0.001	0.095	ng/m ³	V0
Anthracene	0.001	0.016	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.016	ng/m ³	V0
Pyrene	0.001	0.017	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.007	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.013	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.013	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Fort Chipewyan		Loc ID:	FTCH	WBEA ID:	220904609
Start Date:	2022-09-21 10:40		End Date:	2022-09-21 10:41	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.162	ng/m ³	V0
Acenaphthylene	0.001	0.090	ng/m ³	V0
Acenaphthene	0.001	0.080	ng/m ³	V0
Fluorene	0.001	0.029	ng/m ³	V0
Phenanthrene	0.001	0.063	ng/m ³	V0
Anthracene	0.001	0.015	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.011	ng/m ³	V0
Pyrene	0.001	0.018	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.007	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.043	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.047	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	-8888	ng/m ³	V1
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-09-26 00:00	Loc ID:	BGFM
		End Date:	2022-09-27 00:00
		Set Index:	1
		WBEA ID:	220904589
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		11.5	°C	
Pressure		738.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	4.04	ng/m ³	V0
Acenaphthylene	0.001	4.21	ng/m ³	V0
Acenaphthene	0.001	1.86	ng/m ³	V0
Fluorene	0.001	1.66	ng/m ³	V0
Phenanthrene	0.001	6.07	ng/m ³	V0
Anthracene	0.001	0.704	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.640	ng/m ³	V0
Pyrene	0.001	0.675	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.083	ng/m ³	V0
Chrysene	0.001	0.154	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.089	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.096	ng/m ³	V0
Benzo(a)pyrene	0.001	0.045	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-09-26 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-09-27 00:00

Set Index: 1
WBEA ID: 220904661
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C	
Pressure		730.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.05	ng/m ³	V0
Acenaphthylene	0.001	2.47	ng/m ³	V0
Acenaphthene	0.001	0.565	ng/m ³	V0
Fluorene	0.001	0.482	ng/m ³	V0
Phenanthrene	0.001	1.38	ng/m ³	V0
Anthracene	0.001	0.164	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.302	ng/m ³	V0
Pyrene	0.001	0.281	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.026	ng/m ³	V0
Chrysene	0.001	0.072	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.080	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.079	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Athabasca Valley	Samp Use:	Exposure
Start Date:	2022-09-26 00:00	Loc ID:	ATHV
		End Date:	2022-09-27 00:00
		Set Index:	1
		WBEA ID:	220904655
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.0	°C	
Pressure		742.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.5	ng/m ³	V0
Acenaphthylene	0.001	0.535	ng/m ³	V0
Acenaphthene	0.001	0.787	ng/m ³	V0
Fluorene	0.001	0.656	ng/m ³	V0
Phenanthrene	0.001	2.20	ng/m ³	V0
Anthracene	0.001	0.318	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.550	ng/m ³	V0
Pyrene	0.001	0.575	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.001	ng/m ³	V0
Benzo(a)anthracene	0.001	0.110	ng/m ³	V0
Chrysene	0.001	0.153	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.100	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.115	ng/m ³	V0
Benzo(a)pyrene	0.001	0.053	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.021	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904684
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.2	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.37	ng/m ³	V0
Acenaphthylene	0.001	1.26	ng/m ³	V0
Acenaphthene	0.001	3.13	ng/m ³	V0
Fluorene	0.001	1.88	ng/m ³	V0
Phenanthrene	0.001	3.85	ng/m ³	V0
Anthracene	0.001	0.578	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.466	ng/m ³	V0
Pyrene	0.001	0.186	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.019	ng/m ³	V0
Chrysene	0.001	0.017	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.081	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.084	ng/m ³	V0
Benzo(a)pyrene	0.001	0.017	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Anzac	Samp Use:	Exposure
Start Date:	2022-09-26 00:00	Loc ID:	ANZC
		End Date:	2022-09-27 00:00
		Set Index:	2
		WBEA ID:	220904685
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		15.2	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.00	ng/m ³	V0
Acenaphthylene	0.001	1.20	ng/m ³	V0
Acenaphthene	0.001	3.16	ng/m ³	V0
Fluorene	0.001	1.91	ng/m ³	V0
Phenanthrene	0.001	3.70	ng/m ³	V0
Anthracene	0.001	0.563	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.457	ng/m ³	V0
Pyrene	0.001	0.185	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.017	ng/m ³	V0
Chrysene	0.001	0.016	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.053	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.080	ng/m ³	V0
Benzo(a)pyrene	0.001	0.017	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904668
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		713.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.2	ng/m ³	V0
Acenaphthylene	0.001	2.38	ng/m ³	V0
Acenaphthene	0.001	10.4	ng/m ³	V0
Fluorene	0.001	5.88	ng/m ³	V0
Phenanthrene	0.001	8.16	ng/m ³	V0
Anthracene	0.001	0.799	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.983	ng/m ³	V0
Pyrene	0.001	0.527	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.099	ng/m ³	V0
Chrysene	0.001	0.176	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.077	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.073	ng/m ³	V0
Benzo(a)pyrene	0.001	0.061	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-09-26 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-09-27 00:00

Set Index: 1
WBEA ID: 220904674
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C	
Pressure		721.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.1	ng/m ³	V0
Acenaphthylene	0.001	1.14	ng/m ³	V0
Acenaphthene	0.001	0.442	ng/m ³	V0
Fluorene	0.001	0.491	ng/m ³	V0
Phenanthrene	0.001	3.71	ng/m ³	V0
Anthracene	0.001	0.354	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.368	ng/m ³	V0
Pyrene	0.001	0.373	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.041	ng/m ³	V0
Chrysene	0.001	0.041	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.066	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.058	ng/m ³	V0
Benzo(a)pyrene	0.001	0.020	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-09-26 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-09-27 00:00

Set Index: 1
WBEA ID: 220904610
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.7	°C	
Pressure		742.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.0	ng/m ³	V0
Acenaphthylene	0.001	5.16	ng/m ³	V0
Acenaphthene	0.001	1.30	ng/m ³	V0
Fluorene	0.001	1.41	ng/m ³	V0
Phenanthrene	0.001	2.99	ng/m ³	V0
Anthracene	0.001	0.383	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.854	ng/m ³	V0
Pyrene	0.001	0.540	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.067	ng/m ³	V0
Chrysene	0.001	0.061	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.155	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.127	ng/m ³	V0
Benzo(a)pyrene	0.001	0.032	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Anzac		Loc ID:	ANZC	WBEA ID:	220904735
Start Date:	2022-09-28 11:30		End Date:	2022-09-28 11:31	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.148	ng/m ³	V0
Acenaphthylene	0.001	0.081	ng/m ³	V0
Acenaphthene	0.001	0.045	ng/m ³	V0
Fluorene	0.001	0.033	ng/m ³	V0
Phenanthrene	0.001	0.071	ng/m ³	V0
Anthracene	0.001	0.010	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.009	ng/m ³	V0
Pyrene	0.001	0.009	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.002	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.013	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.013	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904763	
Start Date:	2022-09-28 13:40	End Date:	2022-09-28 13:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.240	ng/m ³	V0
Acenaphthylene	0.001	0.124	ng/m ³	V0
Acenaphthene	0.001	0.172	ng/m ³	V0
Fluorene	0.001	0.062	ng/m ³	V0
Phenanthrene	0.001	0.105	ng/m ³	V0
Anthracene	0.001	0.023	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.014	ng/m ³	V0
Pyrene	0.001	0.018	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.009	ng/m ³	V0
Chrysene	0.001	0.008	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.010	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(a)pyrene	0.001	-8888	ng/m ³	V1
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-10-02 00:00	Loc ID:	BGFM
		End Date:	2022-10-03 00:00
		Set Index:	1
		WBEA ID:	220904764
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		14.4	°C	
Pressure		734.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.14	ng/m ³	V0
Acenaphthylene	0.001	1.41	ng/m ³	V0
Acenaphthene	0.001	2.95	ng/m ³	V0
Fluorene	0.001	1.62	ng/m ³	V0
Phenanthrene	0.001	2.36	ng/m ³	V0
Anthracene	0.001	0.474	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.194	ng/m ³	V0
Pyrene	0.001	0.226	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.091	ng/m ³	V0
Chrysene	0.001	0.199	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.073	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.064	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904724
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		17.4	°C	
Pressure		726.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.50	ng/m ³	V0
Acenaphthylene	0.001	2.50	ng/m ³	V0
Acenaphthene	0.001	5.09	ng/m ³	V0
Fluorene	0.001	0.451	ng/m ³	V0
Phenanthrene	0.001	1.22	ng/m ³	V0
Anthracene	0.001	0.127	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.665	ng/m ³	V0
Pyrene	0.001	0.604	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.014	ng/m ³	V0
Chrysene	0.001	0.039	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.397	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.313	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 220904746
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		14.6	°C	
Pressure		738.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.55	ng/m ³	V0
Acenaphthylene	0.001	2.24	ng/m ³	V0
Acenaphthene	0.001	7.27	ng/m ³	V0
Fluorene	0.001	0.594	ng/m ³	V0
Phenanthrene	0.001	1.45	ng/m ³	V0
Anthracene	0.001	0.270	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.309	ng/m ³	V0
Pyrene	0.001	0.315	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.030	ng/m ³	V0
Chrysene	0.001	0.084	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.151	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.150	ng/m ³	V0
Benzo(a)pyrene	0.001	0.053	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.030	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904736
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C	
Pressure		716.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.9	ng/m ³	V0
Acenaphthylene	0.001	1.49	ng/m ³	V0
Acenaphthene	0.001	8.78	ng/m ³	V0
Fluorene	0.001	8.07	ng/m ³	V0
Phenanthrene	0.001	9.22	ng/m ³	V0
Anthracene	0.001	0.974	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	1.00	ng/m ³	V0
Pyrene	0.001	0.677	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.033	ng/m ³	V0
Chrysene	0.001	0.085	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.375	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.331	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.028	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.036	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	220904737
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C	
Pressure		716.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	31.5	ng/m ³	V0
Acenaphthylene	0.001	1.34	ng/m ³	V0
Acenaphthene	0.001	9.04	ng/m ³	V0
Fluorene	0.001	8.54	ng/m ³	V0
Phenanthrene	0.001	9.84	ng/m ³	V0
Anthracene	0.001	0.912	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	1.11	ng/m ³	V0
Pyrene	0.001	0.617	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.037	ng/m ³	V0
Chrysene	0.001	0.088	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.374	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.346	ng/m ³	V0
Benzo(a)pyrene	0.001	0.040	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.034	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	220904705
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.6	°C	
Pressure		711.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.4	ng/m ³	V0
Acenaphthylene	0.001	2.52	ng/m ³	V0
Acenaphthene	0.001	6.91	ng/m ³	V0
Fluorene	0.001	8.45	ng/m ³	V0
Phenanthrene	0.001	13.7	ng/m ³	V0
Anthracene	0.001	1.66	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	3.03	ng/m ³	V0
Pyrene	0.001	2.01	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.420	ng/m ³	V0
Chrysene	0.001	0.780	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.297	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.276	ng/m ³	V0
Benzo(a)pyrene	0.001	0.082	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.026	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	220904712
Start Date:	2022-10-02 00:00	End Date:	2022-10-03 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C	
Pressure		718.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.77	ng/m ³	V0
Acenaphthylene	0.001	1.40	ng/m ³	V0
Acenaphthene	0.001	3.33	ng/m ³	V0
Fluorene	0.001	0.613	ng/m ³	V0
Phenanthrene	0.001	1.15	ng/m ³	V0
Anthracene	0.001	0.114	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.191	ng/m ³	V0
Pyrene	0.001	0.215	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.010	ng/m ³	V0
Chrysene	0.001	0.025	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.039	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.039	ng/m ³	V0
Benzo(a)pyrene	0.001	0.019	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.024	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904693
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		15.1	°C	
Pressure		736.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	33.9	ng/m ³	V0
Acenaphthylene	0.001	6.50	ng/m ³	V0
Acenaphthene	0.001	1.01	ng/m ³	V0
Fluorene	0.001	0.973	ng/m ³	V0
Phenanthrene	0.001	2.57	ng/m ³	V0
Anthracene	0.001	0.409	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	0.673	ng/m ³	V0
Pyrene	0.001	0.549	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.139	ng/m ³	V0
Chrysene	0.001	0.118	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.077	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.170	ng/m ³	V0
Benzo(a)pyrene	0.001	0.025	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin		Loc ID:	CONK	WBEA ID:	221004809
Start Date:	2022-10-04 13:05		End Date:	2022-10-04 13:06	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.112	ng/m ³	V0
Acenaphthylene	0.001	0.067	ng/m ³	V0
Acenaphthene	0.001	0.075	ng/m ³	V0
Fluorene	0.001	0.036	ng/m ³	V0
Phenanthrene	0.001	0.091	ng/m ³	V0
Anthracene	0.001	0.024	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.016	ng/m ³	V0
Pyrene	0.001	0.010	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.008	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.019	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004867	
Start Date:	2022-10-06 16:05	End Date:	2022-10-06 16:06	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.227	ng/m ³	V0
Acenaphthylene	0.001	0.097	ng/m ³	V0
Acenaphthene	0.001	0.148	ng/m ³	V0
Fluorene	0.001	0.054	ng/m ³	V0
Phenanthrene	0.001	0.097	ng/m ³	V0
Anthracene	0.001	0.028	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.011	ng/m ³	V0
Pyrene	0.001	0.016	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benz(a)anthracene	0.001	0.008	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.010	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-10-08 00:00	Loc ID: BGFM	WBEA ID: 221004868
		End Date: 2022-10-09 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		11.5	°C	
Pressure		738.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.90	ng/m ³	V0
Acenaphthylene	0.001	1.98	ng/m ³	V0
Acenaphthene	0.001	1.59	ng/m ³	V0
Fluorene	0.001	3.11	ng/m ³	V0
Phenanthrene	0.001	1.09	ng/m ³	V0
Anthracene	0.001	0.236	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	1.42	ng/m ³	V0
Pyrene	0.001	1.84	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.127	ng/m ³	V0
Chrysene	0.001	0.367	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.110	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.062	ng/m ³	V0
Benzo(a)pyrene	0.001	0.062	ng/m ³	V0
3-Methylcholanthrene	0.001	0.014	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004796
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		11.6	°C	
Pressure		731.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	24.1	ng/m ³	V0
Acenaphthylene	0.001	5.33	ng/m ³	V0
Acenaphthene	0.001	1.00	ng/m ³	V0
Fluorene	0.001	1.46	ng/m ³	V0
Phenanthrene	0.001	4.24	ng/m ³	V0
Anthracene	0.001	0.906	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	1.65	ng/m ³	V0
Pyrene	0.001	1.29	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.124	ng/m ³	V0
Chrysene	0.001	0.248	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.288	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.314	ng/m ³	V0
Benzo(a)pyrene	0.001	0.069	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.027	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221004790
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		10.3	°C	
Pressure		742.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	41.6	ng/m ³	V0
Acenaphthylene	0.001	8.94	ng/m ³	V0
Acenaphthene	0.001	1.26	ng/m ³	V0
Fluorene	0.001	2.48	ng/m ³	V0
Phenanthrene	0.001	6.70	ng/m ³	V0
Anthracene	0.001	1.34	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	2.32	ng/m ³	V0
Pyrene	0.001	2.01	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.376	ng/m ³	V0
Chrysene	0.001	0.986	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.360	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.397	ng/m ³	V0
Benzo(a)pyrene	0.001	0.076	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.016	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.030	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004783
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.3	ng/m ³	V0
Acenaphthylene	0.001	2.16	ng/m ³	V0
Acenaphthene	0.001	9.69	ng/m ³	V0
Fluorene	0.001	8.46	ng/m ³	V0
Phenanthrene	0.001	12.4	ng/m ³	V0
Anthracene	0.001	1.41	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.75	ng/m ³	V0
Pyrene	0.001	0.869	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.087	ng/m ³	V0
Chrysene	0.001	0.237	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.312	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.314	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.043	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-10-09 00:00

Set Index: 2
WBEA ID: 221004784
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.3	°C	
Pressure		719.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.2	ng/m ³	V0
Acenaphthylene	0.001	2.01	ng/m ³	V0
Acenaphthene	0.001	9.08	ng/m ³	V0
Fluorene	0.001	8.05	ng/m ³	V0
Phenanthrene	0.001	13.2	ng/m ³	V0
Anthracene	0.001	1.41	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.79	ng/m ³	V0
Pyrene	0.001	0.915	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.087	ng/m ³	V0
Chrysene	0.001	0.252	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.306	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.325	ng/m ³	V0
Benzo(a)pyrene	0.001	0.048	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.035	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.043	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004810
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		11.2	°C	
Pressure		713.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	38.3	ng/m ³	V0
Acenaphthylene	0.001	2.75	ng/m ³	V0
Acenaphthene	0.001	7.83	ng/m ³	V0
Fluorene	0.001	11.0	ng/m ³	V0
Phenanthrene	0.001	15.5	ng/m ³	V0
Anthracene	0.001	0.810	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	2.76	ng/m ³	V0
Pyrene	0.001	1.54	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.293	ng/m ³	V0
Chrysene	0.001	0.778	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.333	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.277	ng/m ³	V0
Benzo(a)pyrene	0.001	0.080	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.019	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.036	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-10-08 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-10-09 00:00

Set Index: 1
WBEA ID: 221004820
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		721.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	24.4	ng/m ³	V0
Acenaphthylene	0.001	2.43	ng/m ³	V0
Acenaphthene	0.001	2.53	ng/m ³	V0
Fluorene	0.001	0.162	ng/m ³	V0
Phenanthrene	0.001	1.94	ng/m ³	V0
Anthracene	0.001	0.382	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.718	ng/m ³	V0
Pyrene	0.001	0.627	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.054	ng/m ³	V0
Chrysene	0.001	0.223	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.301	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.266	ng/m ³	V0
Benzo(a)pyrene	0.001	0.077	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.025	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.033	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221004827
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		9.9	°C	
Pressure		741.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.0	ng/m ³	V0
Acenaphthylene	0.001	8.52	ng/m ³	V0
Acenaphthene	0.001	2.29	ng/m ³	V0
Fluorene	0.001	2.72	ng/m ³	V0
Phenanthrene	0.001	4.71	ng/m ³	V0
Anthracene	0.001	1.03	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.638	ng/m ³	V0
Pyrene	0.001	0.551	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.214	ng/m ³	V0
Chrysene	0.001	0.209	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.027	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.032	ng/m ³	V0
Benzo(a)pyrene	0.001	0.040	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.032	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier		Loc ID:	JANV	WBEA ID:	221004883
Start Date:	2022-10-11 14:10		End Date:	2022-10-11 14:11	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.127	ng/m ³	V0
Acenaphthylene	0.001	0.097	ng/m ³	V0
Acenaphthene	0.001	0.048	ng/m ³	V0
Fluorene	0.001	0.032	ng/m ³	V0
Phenanthrene	0.001	0.079	ng/m ³	V0
Anthracene	0.001	0.025	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.014	ng/m ³	V0
Pyrene	0.001	0.008	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.082	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.086	ng/m ³	V0
Benzo(a)pyrene	0.001	0.005	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004949	
Start Date:	2022-10-13 13:10	End Date:	2022-10-13 13:11	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.178	ng/m ³	V0
Acenaphthylene	0.001	0.099	ng/m ³	V0
Acenaphthene	0.001	0.191	ng/m ³	V0
Fluorene	0.001	0.074	ng/m ³	V0
Phenanthrene	0.001	0.124	ng/m ³	V0
Anthracene	0.001	0.034	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.018	ng/m ³	V0
Pyrene	0.001	0.021	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benz(a)anthracene	0.001	0.012	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.013	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.012	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-10-14 00:00	Loc ID:	BGFM
		End Date:	2022-10-15 00:00
		Set Index:	1
		WBEA ID:	221004950
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		3.6	°C	
Pressure		734.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.5	ng/m ³	V0
Acenaphthylene	0.001	3.80	ng/m ³	V0
Acenaphthene	0.001	2.73	ng/m ³	V0
Fluorene	0.001	2.80	ng/m ³	V0
Phenanthrene	0.001	6.27	ng/m ³	V0
Anthracene	0.001	0.398	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.744	ng/m ³	V0
Pyrene	0.001	0.774	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.153	ng/m ³	V0
Chrysene	0.001	0.348	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.083	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.087	ng/m ³	V0
Benzo(a)pyrene	0.001	0.056	ng/m ³	V0
3-Methylcholanthrene	0.001	0.013	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-10-14 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-15 00:00

Set Index: 1
WBEA ID: 221004920
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C	
Pressure		726.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.5	ng/m ³	V0
Acenaphthylene	0.001	1.85	ng/m ³	V0
Acenaphthene	0.001	2.89	ng/m ³	V0
Fluorene	0.001	1.51	ng/m ³	V0
Phenanthrene	0.001	3.54	ng/m ³	V0
Anthracene	0.001	0.497	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.767	ng/m ³	V0
Pyrene	0.001	0.778	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.082	ng/m ³	V0
Chrysene	0.001	0.311	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.302	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.333	ng/m ³	V0
Benzo(a)pyrene	0.001	0.070	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.037	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.032	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-10-14 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-10-15 00:00

Set Index: 1
WBEA ID: 221004908
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.6	°C	
Pressure		737.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	37.6	ng/m ³	V0
Acenaphthylene	0.001	1.93	ng/m ³	V0
Acenaphthene	0.001	1.14	ng/m ³	V0
Fluorene	0.001	1.09	ng/m ³	V0
Phenanthrene	0.001	3.20	ng/m ³	V0
Anthracene	0.001	0.302	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.871	ng/m ³	V0
Pyrene	0.001	0.955	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.073	ng/m ³	V0
Chrysene	0.001	0.189	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.412	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.371	ng/m ³	V0
Benzo(a)pyrene	0.001	0.058	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.035	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.027	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-10-14 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-10-15 00:00

Set Index: 1
WBEA ID: 221004890
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.1	°C	
Pressure		714.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.6	ng/m ³	V0
Acenaphthylene	0.001	2.10	ng/m ³	V0
Acenaphthene	0.001	2.55	ng/m ³	V0
Fluorene	0.001	1.78	ng/m ³	V0
Phenanthrene	0.001	3.22	ng/m ³	V0
Anthracene	0.001	0.514	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.541	ng/m ³	V0
Pyrene	0.001	0.454	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.030	ng/m ³	V0
Chrysene	0.001	0.066	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.398	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.189	ng/m ³	V0
Benzo(a)pyrene	0.001	0.030	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221004891
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.1	°C	
Pressure		714.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.8	ng/m ³	V0
Acenaphthylene	0.001	2.20	ng/m ³	V0
Acenaphthene	0.001	2.54	ng/m ³	V0
Fluorene	0.001	1.80	ng/m ³	V0
Phenanthrene	0.001	3.08	ng/m ³	V0
Anthracene	0.001	0.522	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.589	ng/m ³	V0
Pyrene	0.001	0.483	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.030	ng/m ³	V0
Chrysene	0.001	0.060	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.381	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.194	ng/m ³	V0
Benzo(a)pyrene	0.001	0.028	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221004877
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		6.9	°C	
Pressure		707.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	41.8	ng/m ³	V0
Acenaphthylene	0.001	2.78	ng/m ³	V0
Acenaphthene	0.001	4.23	ng/m ³	V0
Fluorene	0.001	3.62	ng/m ³	V0
Phenanthrene	0.001	8.88	ng/m ³	V0
Anthracene	0.001	1.70	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	2.84	ng/m ³	V0
Pyrene	0.001	2.29	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.393	ng/m ³	V0
Chrysene	0.001	0.387	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.257	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.239	ng/m ³	V0
Benzo(a)pyrene	0.001	0.058	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.017	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221004884
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.6	°C	
Pressure		715.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	4.91	ng/m ³	V0
Acenaphthylene	0.001	1.82	ng/m ³	V0
Acenaphthene	0.001	0.858	ng/m ³	V0
Fluorene	0.001	0.771	ng/m ³	V0
Phenanthrene	0.001	1.65	ng/m ³	V0
Anthracene	0.001	0.271	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.257	ng/m ³	V0
Pyrene	0.001	0.228	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.052	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.231	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.223	ng/m ³	V0
Benzo(a)pyrene	0.001	0.027	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.029	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 221004900
Start Date:	2022-10-14 00:00	End Date:	2022-10-15 00:00	Duration: 24.0 hr

Notes

Power outage resulted in short sampling duration (313.85/316.00 m³) and low sample volume (85800/86400 sec)

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		4.0	°C	
Pressure		737.8	mmHg	
Sample Volume		314	m ³	V6
Naphthalene	0.001	11.4	ng/m ³	V6
Acenaphthylene	0.001	3.93	ng/m ³	V6
Acenaphthene	0.001	0.701	ng/m ³	V6
Fluorene	0.001	0.675	ng/m ³	V6
Phenanthrene	0.001	1.16	ng/m ³	V6
Anthracene	0.001	0.220	ng/m ³	V6
Acridine	0.001	0.006	ng/m ³	V6
Fluoranthene	0.001	0.126	ng/m ³	V6
Pyrene	0.001	0.123	ng/m ³	V6
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V6
Benzo(a)anthracene	0.001	0.050	ng/m ³	V6
Chrysene	0.001	0.046	ng/m ³	V6
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V6
Benzo(b)fluoranthene	0.001	0.061	ng/m ³	V6
Benzo(k)fluoranthene	0.001	0.047	ng/m ³	V6
Benzo(a)pyrene	0.001	0.014	ng/m ³	V6
3-Methylcholanthrene	0.001	0.007	ng/m ³	V6
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V6
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V6
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V6
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V6
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V6
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221004962
Start Date:	2022-10-17 10:15	End Date:	2022-10-17 10:16	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.123	ng/m ³	V0
Acenaphthylene	0.001	0.060	ng/m ³	V0
Acenaphthene	0.001	0.049	ng/m ³	V0
Fluorene	0.001	0.054	ng/m ³	V0
Phenanthrene	0.001	0.065	ng/m ³	V0
Anthracene	0.001	0.018	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.010	ng/m ³	V0
Pyrene	0.001	0.008	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.003	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.034	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.033	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221004988	
Start Date:	2022-10-17 15:15	End Date:	2022-10-17 15:16	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.162	ng/m ³	V0
Acenaphthylene	0.001	0.126	ng/m ³	V0
Acenaphthene	0.001	0.117	ng/m ³	V0
Fluorene	0.001	0.042	ng/m ³	V0
Phenanthrene	0.001	0.093	ng/m ³	V0
Anthracene	0.001	0.022	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.012	ng/m ³	V0
Pyrene	0.001	0.018	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.012	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.011	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-10-20 00:00	Loc ID:	BGFM
		End Date:	2022-10-21 00:00
		Set Index:	1
		WBEA ID:	221004989
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		12.7	°C	
Pressure		724.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.3	ng/m ³	V0
Acenaphthylene	0.001	1.71	ng/m ³	V0
Acenaphthene	0.001	2.01	ng/m ³	V0
Fluorene	0.001	1.04	ng/m ³	V0
Phenanthrene	0.001	2.89	ng/m ³	V0
Anthracene	0.001	0.309	ng/m ³	V0
Acridine	0.001	0.013	ng/m ³	V0
Fluoranthene	0.001	0.150	ng/m ³	V0
Pyrene	0.001	0.356	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.071	ng/m ³	V0
Chrysene	0.001	0.229	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.064	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.074	ng/m ³	V0
Benzo(a)pyrene	0.001	0.044	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.015	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221004963
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		14.8	°C	
Pressure		717.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	27.7	ng/m ³	V0
Acenaphthylene	0.001	8.46	ng/m ³	V0
Acenaphthene	0.001	0.839	ng/m ³	V0
Fluorene	0.001	1.13	ng/m ³	V0
Phenanthrene	0.001	2.85	ng/m ³	V0
Anthracene	0.001	0.237	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.521	ng/m ³	V0
Pyrene	0.001	0.814	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.050	ng/m ³	V0
Chrysene	0.001	0.211	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.229	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.253	ng/m ³	V0
Benzo(a)pyrene	0.001	0.078	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.039	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221005036
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		13.4	°C	
Pressure		729.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	37.1	ng/m ³	V0
Acenaphthylene	0.001	24.2	ng/m ³	V0
Acenaphthene	0.001	1.80	ng/m ³	V0
Fluorene	0.001	3.27	ng/m ³	V0
Phenanthrene	0.001	11.4	ng/m ³	V0
Anthracene	0.001	2.08	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	3.75	ng/m ³	V0
Pyrene	0.001	4.36	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.661	ng/m ³	V0
Chrysene	0.001	1.44	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.197	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.217	ng/m ³	V0
Benzo(a)pyrene	0.001	0.062	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.041	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.020	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.033	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.003	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221005015
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		707.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.4	ng/m ³	V0
Acenaphthylene	0.001	3.11	ng/m ³	V0
Acenaphthene	0.001	1.04	ng/m ³	V0
Fluorene	0.001	1.53	ng/m ³	V0
Phenanthrene	0.001	2.43	ng/m ³	V0
Anthracene	0.001	0.244	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.506	ng/m ³	V0
Pyrene	0.001	0.438	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.077	ng/m ³	V0
Chrysene	0.001	0.209	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.151	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.168	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.022	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.025	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005016
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.2	°C	
Pressure		707.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.6	ng/m ³	V0
Acenaphthylene	0.001	3.00	ng/m ³	V0
Acenaphthene	0.001	1.08	ng/m ³	V0
Fluorene	0.001	1.48	ng/m ³	V0
Phenanthrene	0.001	2.45	ng/m ³	V0
Anthracene	0.001	0.264	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.539	ng/m ³	V0
Pyrene	0.001	0.488	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.080	ng/m ³	V0
Chrysene	0.001	0.223	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.154	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.172	ng/m ³	V0
Benzo(a)pyrene	0.001	0.049	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005003
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.5	°C	
Pressure		701.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.7	ng/m ³	V0
Acenaphthylene	0.001	3.21	ng/m ³	V0
Acenaphthene	0.001	4.81	ng/m ³	V0
Fluorene	0.001	2.83	ng/m ³	V0
Phenanthrene	0.001	4.57	ng/m ³	V0
Anthracene	0.001	0.752	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.733	ng/m ³	V0
Pyrene	0.001	0.505	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.018	ng/m ³	V0
Chrysene	0.001	0.072	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.132	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.132	ng/m ³	V0
Benzo(a)pyrene	0.001	0.044	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005009
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		12.9	°C	
Pressure		709.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.5	ng/m ³	V0
Acenaphthylene	0.001	8.23	ng/m ³	V0
Acenaphthene	0.001	0.833	ng/m ³	V0
Fluorene	0.001	1.03	ng/m ³	V0
Phenanthrene	0.001	3.10	ng/m ³	V0
Anthracene	0.001	0.292	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.647	ng/m ³	V0
Pyrene	0.001	0.664	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.050	ng/m ³	V0
Chrysene	0.001	0.166	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.083	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.090	ng/m ³	V0
Benzo(a)pyrene	0.001	0.043	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.025	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.031	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-10-20 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-10-21 00:00

Set Index: 1
WBEA ID: 221005037
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		7.7	°C	
Pressure		727.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.93	ng/m ³	V0
Acenaphthylene	0.001	4.24	ng/m ³	V0
Acenaphthene	0.001	0.368	ng/m ³	V0
Fluorene	0.001	0.595	ng/m ³	V0
Phenanthrene	0.001	1.26	ng/m ³	V0
Anthracene	0.001	0.242	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.153	ng/m ³	V0
Pyrene	0.001	0.184	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.043	ng/m ³	V0
Chrysene	0.001	0.039	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.055	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.056	ng/m ³	V0
Benzo(a)pyrene	0.001	0.012	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005129	
Start Date:	2022-10-21 13:40	End Date:	2022-10-21 13:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.167	ng/m ³	V0
Acenaphthylene	0.001	0.124	ng/m ³	V0
Acenaphthene	0.001	0.123	ng/m ³	V0
Fluorene	0.001	0.042	ng/m ³	V0
Phenanthrene	0.001	0.104	ng/m ³	V0
Anthracene	0.001	0.015	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.011	ng/m ³	V0
Pyrene	0.001	0.014	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.009	ng/m ³	V0
Chrysene	0.001	0.002	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.010	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m ³	V0
Benzo(a)pyrene	0.001	0.001	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 221005206
Start Date:	2022-10-24 15:00	End Date:	2022-10-24 15:01	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.106	ng/m ³	V0
Acenaphthylene	0.001	0.070	ng/m ³	V0
Acenaphthene	0.001	0.038	ng/m ³	V0
Fluorene	0.001	0.021	ng/m ³	V0
Phenanthrene	0.001	0.054	ng/m ³	V0
Anthracene	0.001	0.021	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.012	ng/m ³	V0
Pyrene	0.001	0.013	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.002	ng/m ³	V0
Benz(a)anthracene	0.001	0.005	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.026	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.031	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005130	
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		3.2	°C	
Pressure		724.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.4	ng/m ³	V0
Acenaphthylene	0.001	6.43	ng/m ³	V0
Acenaphthene	0.001	7.10	ng/m ³	V0
Fluorene	0.001	3.06	ng/m ³	V0
Phenanthrene	0.001	3.63	ng/m ³	V0
Anthracene	0.001	0.709	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.669	ng/m ³	V0
Pyrene	0.001	0.357	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	0.077	ng/m ³	V0
Chrysene	0.001	0.149	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.014	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.064	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.049	ng/m ³	V0
Benzo(a)pyrene	0.001	0.054	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-10-27 00:00

Set Index: 1
WBEA ID: 221005196
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.0	°C	
Pressure		715.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.5	ng/m ³	V0
Acenaphthylene	0.001	6.76	ng/m ³	V0
Acenaphthene	0.001	0.748	ng/m ³	V0
Fluorene	0.001	1.54	ng/m ³	V0
Phenanthrene	0.001	4.22	ng/m ³	V0
Anthracene	0.001	0.921	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	1.13	ng/m ³	V0
Pyrene	0.001	1.04	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.192	ng/m ³	V0
Chrysene	0.001	0.391	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.172	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.181	ng/m ³	V0
Benzo(a)pyrene	0.001	0.043	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.021	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Set Index: 1
Location:	Athabasca Valley	Samp Use: Exposure	WBEA ID: 221005207
Start Date:	2022-10-26 00:00	Loc ID: ATHV	Duration: 24.0 hr
		End Date: 2022-10-27 00:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		2.5	°C	
Pressure		729.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	51.6	ng/m ³	V0
Acenaphthylene	0.001	9.00	ng/m ³	V0
Acenaphthene	0.001	1.46	ng/m ³	V0
Fluorene	0.001	3.66	ng/m ³	V0
Phenanthrene	0.001	16.4	ng/m ³	V0
Anthracene	0.001	3.18	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	4.70	ng/m ³	V0
Pyrene	0.001	3.98	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.865	ng/m ³	V0
Chrysene	0.001	0.828	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.103	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.108	ng/m ³	V0
Benzo(a)pyrene	0.001	0.064	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-10-27 00:00

Set Index: 1
WBEA ID: 221005235
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.7	°C	
Pressure		705.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.3	ng/m ³	V0
Acenaphthylene	0.001	2.31	ng/m ³	V0
Acenaphthene	0.001	1.29	ng/m ³	V0
Fluorene	0.001	1.39	ng/m ³	V0
Phenanthrene	0.001	1.95	ng/m ³	V0
Anthracene	0.001	0.211	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.346	ng/m ³	V0
Pyrene	0.001	0.557	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.052	ng/m ³	V0
Chrysene	0.001	0.085	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.118	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.138	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.025	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-10-27 00:00

Set Index: 2
WBEA ID: 221005236
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.7	°C	
Pressure		705.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.4	ng/m ³	V0
Acenaphthylene	0.001	2.23	ng/m ³	V0
Acenaphthene	0.001	1.25	ng/m ³	V0
Fluorene	0.001	1.58	ng/m ³	V0
Phenanthrene	0.001	1.49	ng/m ³	V0
Anthracene	0.001	0.217	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.320	ng/m ³	V0
Pyrene	0.001	0.516	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.062	ng/m ³	V0
Chrysene	0.001	0.082	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.108	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.130	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.027	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-10-27 00:00

Set Index: 1
WBEA ID: 221005218
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.0	°C	
Pressure		700.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.19	ng/m ³	V0
Acenaphthylene	0.001	7.77	ng/m ³	V0
Acenaphthene	0.001	3.83	ng/m ³	V0
Fluorene	0.001	3.79	ng/m ³	V0
Phenanthrene	0.001	10.9	ng/m ³	V0
Anthracene	0.001	2.26	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	3.12	ng/m ³	V0
Pyrene	0.001	2.69	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.513	ng/m ³	V0
Chrysene	0.001	0.953	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.238	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.198	ng/m ³	V0
Benzo(a)pyrene	0.001	0.069	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005226
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		2.8	°C	
Pressure		708.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	27.5	ng/m ³	V0
Acenaphthylene	0.001	3.48	ng/m ³	V0
Acenaphthene	0.001	0.528	ng/m ³	V0
Fluorene	0.001	0.435	ng/m ³	V0
Phenanthrene	0.001	0.939	ng/m ³	V0
Anthracene	0.001	0.155	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.323	ng/m ³	V0
Pyrene	0.001	0.225	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.023	ng/m ³	V0
Chrysene	0.001	0.030	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.166	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.064	ng/m ³	V0
Benzo(a)pyrene	0.001	0.019	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.028	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-10-26 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-10-27 00:00

Set Index: 1
WBEA ID: 221005190
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		0.1	°C	
Pressure		727.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.5	ng/m ³	V0
Acenaphthylene	0.001	4.98	ng/m ³	V0
Acenaphthene	0.001	1.35	ng/m ³	V0
Fluorene	0.001	1.54	ng/m ³	V0
Phenanthrene	0.001	1.69	ng/m ³	V0
Anthracene	0.001	0.288	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.234	ng/m ³	V0
Pyrene	0.001	0.187	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.123	ng/m ³	V0
Chrysene	0.001	0.110	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.099	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.085	ng/m ³	V0
Benzo(a)pyrene	0.001	0.034	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.017	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005271	
Start Date:	2022-10-27 11:45	End Date:	2022-10-27 11:46	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.244	ng/m ³	V0
Acenaphthylene	0.001	0.068	ng/m ³	V0
Acenaphthene	0.001	0.158	ng/m ³	V0
Fluorene	0.001	0.032	ng/m ³	V0
Phenanthrene	0.001	0.117	ng/m ³	V0
Anthracene	0.001	0.031	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.014	ng/m ³	V0
Pyrene	0.001	0.016	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V0
Benz(a)anthracene	0.001	0.010	ng/m ³	V0
Chrysene	0.001	0.011	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.017	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.017	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-11-01 00:00	Loc ID: BGFM	WBEA ID: 221005272
		End Date: 2022-11-02 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		0.7	°C	
Pressure		732.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	4.18	ng/m ³	V0
Acenaphthylene	0.001	0.954	ng/m ³	V0
Acenaphthene	0.001	1.22	ng/m ³	V0
Fluorene	0.001	0.812	ng/m ³	V0
Phenanthrene	0.001	3.17	ng/m ³	V0
Anthracene	0.001	0.384	ng/m ³	V0
Acridine	0.001	0.017	ng/m ³	V0
Fluoranthene	0.001	0.310	ng/m ³	V0
Pyrene	0.001	0.347	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.408	ng/m ³	V0
Chrysene	0.001	0.378	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.083	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.083	ng/m ³	V0
Benzo(a)pyrene	0.001	0.048	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.019	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221005302
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C	
Pressure		723.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	6.07	ng/m ³	V0
Acenaphthylene	0.001	4.21	ng/m ³	V0
Acenaphthene	0.001	0.824	ng/m ³	V0
Fluorene	0.001	1.49	ng/m ³	V0
Phenanthrene	0.001	4.46	ng/m ³	V0
Anthracene	0.001	1.11	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	1.22	ng/m ³	V0
Pyrene	0.001	1.19	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.220	ng/m ³	V0
Chrysene	0.001	0.349	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.337	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.337	ng/m ³	V0
Benzo(a)pyrene	0.001	0.072	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221005308
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-1.3	°C	
Pressure		736.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	29.5	ng/m ³	V0
Acenaphthylene	0.001	2.80	ng/m ³	V0
Acenaphthene	0.001	0.916	ng/m ³	V0
Fluorene	0.001	1.06	ng/m ³	V0
Phenanthrene	0.001	3.63	ng/m ³	V0
Anthracene	0.001	0.633	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.972	ng/m ³	V0
Pyrene	0.001	0.904	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.121	ng/m ³	V0
Chrysene	0.001	0.255	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.302	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.302	ng/m ³	V0
Benzo(a)pyrene	0.001	0.064	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.019	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221005289
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.8	°C	
Pressure		712.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.1	ng/m ³	V0
Acenaphthylene	0.001	0.872	ng/m ³	V0
Acenaphthene	0.001	1.51	ng/m ³	V0
Fluorene	0.001	0.783	ng/m ³	V0
Phenanthrene	0.001	1.64	ng/m ³	V0
Anthracene	0.001	0.246	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.272	ng/m ³	V0
Pyrene	0.001	0.116	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.030	ng/m ³	V0
Chrysene	0.001	0.026	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.498	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.498	ng/m ³	V0
Benzo(a)pyrene	0.001	0.026	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-11-01 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-11-02 00:00

Set Index: 2
WBEA ID: 221005290
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.8	°C	
Pressure		712.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	18.0	ng/m ³	V0
Acenaphthylene	0.001	0.827	ng/m ³	V0
Acenaphthene	0.001	1.40	ng/m ³	V0
Fluorene	0.001	0.758	ng/m ³	V0
Phenanthrene	0.001	1.44	ng/m ³	V0
Anthracene	0.001	0.205	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.253	ng/m ³	V0
Pyrene	0.001	0.119	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.027	ng/m ³	V0
Chrysene	0.001	0.022	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.457	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.457	ng/m ³	V0
Benzo(a)pyrene	0.001	0.023	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221005273
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.0	°C	
Pressure		706.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	31.1	ng/m ³	V0
Acenaphthylene	0.001	3.73	ng/m ³	V0
Acenaphthene	0.001	3.52	ng/m ³	V0
Fluorene	0.001	3.28	ng/m ³	V0
Phenanthrene	0.001	7.76	ng/m ³	V0
Anthracene	0.001	1.17	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.53	ng/m ³	V0
Pyrene	0.001	1.71	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.312	ng/m ³	V0
Chrysene	0.001	0.463	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.702	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.702	ng/m ³	V0
Benzo(a)pyrene	0.001	0.086	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221005249
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.0	°C	
Pressure		714.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	35.5	ng/m ³	V0
Acenaphthylene	0.001	3.53	ng/m ³	V0
Acenaphthene	0.001	0.758	ng/m ³	V0
Fluorene	0.001	0.509	ng/m ³	V0
Phenanthrene	0.001	1.07	ng/m ³	V0
Anthracene	0.001	0.186	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.315	ng/m ³	V0
Pyrene	0.001	0.195	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.015	ng/m ³	V0
Chrysene	0.001	0.031	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.619	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.619	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.012	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221005297
Start Date:	2022-11-01 00:00	End Date:	2022-11-02 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-2.6	°C	
Pressure		738.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.2	ng/m ³	V0
Acenaphthylene	0.001	4.48	ng/m ³	V0
Acenaphthene	0.001	0.560	ng/m ³	V0
Fluorene	0.001	0.458	ng/m ³	V0
Phenanthrene	0.001	1.40	ng/m ³	V0
Anthracene	0.001	0.512	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.230	ng/m ³	V0
Pyrene	0.001	0.262	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.020	ng/m ³	V0
Chrysene	0.001	0.058	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.318	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.318	ng/m ³	V0
Benzo(a)pyrene	0.001	0.022	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-11-02 13:50

Samp Use: Field Procedure Blank
Loc ID: ANZC
End Date: 2022-11-02 13:51

Set Index: 1
WBEA ID: 221105374
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.134	ng/m ³	V0
Acenaphthylene	0.001	0.072	ng/m ³	V0
Acenaphthene	0.001	0.127	ng/m ³	V0
Fluorene	0.001	0.030	ng/m ³	V0
Phenanthrene	0.001	0.087	ng/m ³	V0
Anthracene	0.001	0.025	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.020	ng/m ³	V0
Pyrene	0.001	0.015	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benz(a)anthracene	0.001	0.014	ng/m ³	V0
Chrysene	0.001	0.014	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.033	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.033	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.005	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105375	
Start Date:	2022-11-02 13:55	End Date:	2022-11-02 13:56	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.314	ng/m ³	V0
Acenaphthylene	0.001	0.075	ng/m ³	V0
Acenaphthene	0.001	0.172	ng/m ³	V0
Fluorene	0.001	0.029	ng/m ³	V0
Phenanthrene	0.001	0.099	ng/m ³	V0
Anthracene	0.001	0.021	ng/m ³	V0
Acridine	0.001	0.003	ng/m ³	V0
Fluoranthene	0.001	0.011	ng/m ³	V0
Pyrene	0.001	0.012	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.012	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.018	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.018	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	-8888	ng/m ³	V1
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-11-04 14:10

Deployment Information

Samp Use: Field Procedure Blank
Loc ID: FTCH
End Date: 2022-11-04 14:11

Set Index: 1
WBEA ID: 221105412
Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-2.9	°C	
Pressure		720.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.131	ng/m ³	V0
Acenaphthylene	0.001	0.084	ng/m ³	V0
Acenaphthene	0.001	0.138	ng/m ³	V0
Fluorene	0.001	0.031	ng/m ³	V0
Phenanthrene	0.001	0.049	ng/m ³	V0
Anthracene	0.001	0.026	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.019	ng/m ³	V0
Pyrene	0.001	0.024	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.011	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.033	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.033	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-11-07 00:00	Loc ID: BGFM	WBEA ID: 221105378
		End Date: 2022-11-08 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-15.0	°C	
Pressure		752.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.6	ng/m ³	V0
Acenaphthylene	0.001	3.82	ng/m ³	V0
Acenaphthene	0.001	2.15	ng/m ³	V0
Fluorene	0.001	0.926	ng/m ³	V0
Phenanthrene	0.001	2.38	ng/m ³	V0
Anthracene	0.001	0.399	ng/m ³	V0
Acridine	0.001	0.014	ng/m ³	V0
Fluoranthene	0.001	0.688	ng/m ³	V0
Pyrene	0.001	0.836	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	1.13	ng/m ³	V0
Chrysene	0.001	0.732	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.499	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.499	ng/m ³	V0
Benzo(a)pyrene	0.001	0.036	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.018	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105404
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-15.0	°C	
Pressure		747.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	25.5	ng/m ³	V0
Acenaphthylene	0.001	6.11	ng/m ³	V0
Acenaphthene	0.001	1.83	ng/m ³	V0
Fluorene	0.001	1.51	ng/m ³	V0
Phenanthrene	0.001	3.69	ng/m ³	V0
Anthracene	0.001	0.415	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.959	ng/m ³	V0
Pyrene	0.001	1.000	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.257	ng/m ³	V0
Chrysene	0.001	0.387	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.603	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.602	ng/m ³	V0
Benzo(a)pyrene	0.001	0.081	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105397
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-15.0	°C	
Pressure		756.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	39.7	ng/m ³	V0
Acenaphthylene	0.001	4.23	ng/m ³	V0
Acenaphthene	0.001	1.15	ng/m ³	V0
Fluorene	0.001	1.32	ng/m ³	V0
Phenanthrene	0.001	4.28	ng/m ³	V0
Anthracene	0.001	1.00	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	1.10	ng/m ³	V0
Pyrene	0.001	1.15	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.278	ng/m ³	V0
Chrysene	0.001	0.549	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.527	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.526	ng/m ³	V0
Benzo(a)pyrene	0.001	0.077	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.024	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105376
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		731.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	23.4	ng/m ³	V0
Acenaphthylene	0.001	2.75	ng/m ³	V0
Acenaphthene	0.001	2.69	ng/m ³	V0
Fluorene	0.001	0.772	ng/m ³	V0
Phenanthrene	0.001	1.28	ng/m ³	V0
Anthracene	0.001	0.133	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.203	ng/m ³	V0
Pyrene	0.001	0.104	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.022	ng/m ³	V0
Chrysene	0.001	0.041	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.409	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.408	ng/m ³	V0
Benzo(a)pyrene	0.001	0.048	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-11-08 00:00

Set Index: 2
WBEA ID: 221105377
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		731.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	23.5	ng/m ³	V0
Acenaphthylene	0.001	2.85	ng/m ³	V0
Acenaphthene	0.001	2.45	ng/m ³	V0
Fluorene	0.001	0.791	ng/m ³	V0
Phenanthrene	0.001	1.16	ng/m ³	V0
Anthracene	0.001	0.140	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.244	ng/m ³	V0
Pyrene	0.001	0.111	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.023	ng/m ³	V0
Chrysene	0.001	0.042	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.437	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.437	ng/m ³	V0
Benzo(a)pyrene	0.001	0.048	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Conklin		Loc ID:	CONK	WBEA ID:	221105332
Start Date:	2022-11-07 00:00		End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-17.0	°C	
Pressure		724.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	35.9	ng/m ³	V0
Acenaphthylene	0.001	2.58	ng/m ³	V0
Acenaphthene	0.001	1.39	ng/m ³	V0
Fluorene	0.001	2.15	ng/m ³	V0
Phenanthrene	0.001	7.25	ng/m ³	V0
Anthracene	0.001	1.95	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	2.21	ng/m ³	V0
Pyrene	0.001	2.02	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.600	ng/m ³	V0
Chrysene	0.001	0.857	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.578	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.577	ng/m ³	V0
Benzo(a)pyrene	0.001	0.059	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.017	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.021	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105344
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-16.0	°C	
Pressure		733.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.48	ng/m ³	V0
Acenaphthylene	0.001	1.85	ng/m ³	V0
Acenaphthene	0.001	0.805	ng/m ³	V0
Fluorene	0.001	0.977	ng/m ³	V0
Phenanthrene	0.001	1.42	ng/m ³	V0
Anthracene	0.001	0.295	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.486	ng/m ³	V0
Pyrene	0.001	0.532	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.115	ng/m ³	V0
Chrysene	0.001	0.226	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.585	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.585	ng/m ³	V0
Benzo(a)pyrene	0.001	0.078	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.018	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-11-07 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-11-08 00:00

Set Index: 1
WBEA ID: 221105422
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-16.0	°C	
Pressure		757.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	68.6	ng/m ³	V0
Acenaphthylene	0.001	3.59	ng/m ³	V0
Acenaphthene	0.001	0.462	ng/m ³	V0
Fluorene	0.001	0.711	ng/m ³	V0
Phenanthrene	0.001	2.63	ng/m ³	V0
Anthracene	0.001	0.585	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.690	ng/m ³	V0
Pyrene	0.001	0.474	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.086	ng/m ³	V0
Chrysene	0.001	0.162	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.336	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.336	ng/m ³	V0
Benzo(a)pyrene	0.001	0.054	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	0.004	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105461	
Start Date:	2022-11-08 14:43	End Date:	2022-11-08 14:44	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.313	ng/m ³	V0
Acenaphthylene	0.001	0.191	ng/m ³	V0
Acenaphthene	0.001	0.227	ng/m ³	V0
Fluorene	0.001	0.069	ng/m ³	V0
Phenanthrene	0.001	0.199	ng/m ³	V0
Anthracene	0.001	0.030	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.017	ng/m ³	V0
Pyrene	0.001	0.018	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.017	ng/m ³	V0
Chrysene	0.001	0.010	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.032	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.032	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin		Loc ID:	CONK	WBEA ID:	221105488
Start Date:	2022-11-09 11:40		End Date:	2022-11-09 11:41	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.142	ng/m ³	V0
Acenaphthylene	0.001	0.067	ng/m ³	V0
Acenaphthene	0.001	0.112	ng/m ³	V0
Fluorene	0.001	0.044	ng/m ³	V0
Phenanthrene	0.001	0.057	ng/m ³	V0
Anthracene	0.001	0.020	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.018	ng/m ³	V0
Pyrene	0.001	0.013	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.015	ng/m ³	V0
Chrysene	0.001	0.013	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.028	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.028	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105462
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-2.2	°C	
Pressure		736.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	24.3	ng/m ³	V0
Acenaphthylene	0.001	7.44	ng/m ³	V0
Acenaphthene	0.001	3.04	ng/m ³	V0
Fluorene	0.001	2.58	ng/m ³	V0
Phenanthrene	0.001	4.15	ng/m ³	V0
Anthracene	0.001	1.04	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.855	ng/m ³	V0
Pyrene	0.001	1.08	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.014	ng/m ³	V0
Benzo(a)anthracene	0.001	1.000	ng/m ³	V0
Chrysene	0.001	0.959	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.679	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.679	ng/m ³	V0
Benzo(a)pyrene	0.001	0.027	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.017	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-11-13 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-11-14 00:00

Set Index: 1
WBEA ID: 221105474
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.1	°C	
Pressure		728.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	37.7	ng/m ³	V0
Acenaphthylene	0.001	1.56	ng/m ³	V0
Acenaphthene	0.001	0.870	ng/m ³	V0
Fluorene	0.001	1.63	ng/m ³	V0
Phenanthrene	0.001	3.99	ng/m ³	V0
Anthracene	0.001	0.394	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	1.02	ng/m ³	V0
Pyrene	0.001	0.883	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.122	ng/m ³	V0
Chrysene	0.001	0.321	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.554	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.554	ng/m ³	V0
Benzo(a)pyrene	0.001	0.068	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-11-13 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-11-14 00:00

Set Index: 1
WBEA ID: 221105463
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-3.9	°C	
Pressure		740.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	45.0	ng/m ³	V0
Acenaphthylene	0.001	7.55	ng/m ³	V0
Acenaphthene	0.001	1.25	ng/m ³	V0
Fluorene	0.001	2.75	ng/m ³	V0
Phenanthrene	0.001	8.21	ng/m ³	V0
Anthracene	0.001	1.28	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	2.07	ng/m ³	V0
Pyrene	0.001	1.87	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.314	ng/m ³	V0
Chrysene	0.001	0.615	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.790	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.790	ng/m ³	V0
Benzo(a)pyrene	0.001	0.095	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.022	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-11-13 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-11-14 00:00

Set Index: 1
WBEA ID: 221105501
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C	
Pressure		717.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	28.1	ng/m ³	V0
Acenaphthylene	0.001	3.00	ng/m ³	V0
Acenaphthene	0.001	1.24	ng/m ³	V0
Fluorene	0.001	1.67	ng/m ³	V0
Phenanthrene	0.001	3.71	ng/m ³	V0
Anthracene	0.001	0.582	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	1.12	ng/m ³	V0
Pyrene	0.001	0.779	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.217	ng/m ³	V0
Chrysene	0.001	0.331	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.543	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.543	ng/m ³	V0
Benzo(a)pyrene	0.001	0.066	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.010	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105502
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.6	°C	
Pressure		717.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.4	ng/m ³	V0
Acenaphthylene	0.001	2.44	ng/m ³	V0
Acenaphthene	0.001	1.38	ng/m ³	V0
Fluorene	0.001	1.68	ng/m ³	V0
Phenanthrene	0.001	3.83	ng/m ³	V0
Anthracene	0.001	0.565	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	1.11	ng/m ³	V0
Pyrene	0.001	0.708	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.232	ng/m ³	V0
Chrysene	0.001	0.342	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.590	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.590	ng/m ³	V0
Benzo(a)pyrene	0.001	0.069	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105489
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-1.3	°C	
Pressure		711.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	49.9	ng/m ³	V0
Acenaphthylene	0.001	2.48	ng/m ³	V0
Acenaphthene	0.001	0.935	ng/m ³	V0
Fluorene	0.001	2.05	ng/m ³	V0
Phenanthrene	0.001	6.65	ng/m ³	V0
Anthracene	0.001	1.60	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	1.67	ng/m ³	V0
Pyrene	0.001	1.37	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.228	ng/m ³	V0
Chrysene	0.001	0.522	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.937	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.937	ng/m ³	V0
Benzo(a)pyrene	0.001	0.068	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.037	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105490
Start Date:	2022-11-13 00:00	End Date:	2022-11-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-2.2	°C	
Pressure		719.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	50.5	ng/m ³	V0
Acenaphthylene	0.001	3.16	ng/m ³	V0
Acenaphthene	0.001	0.535	ng/m ³	V0
Fluorene	0.001	1.07	ng/m ³	V0
Phenanthrene	0.001	2.27	ng/m ³	V0
Anthracene	0.001	0.518	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.585	ng/m ³	V0
Pyrene	0.001	0.424	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	-8888	ng/m ³	V1
Chrysene	0.001	0.156	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.013	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.976	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.975	ng/m ³	V0
Benzo(a)pyrene	0.001	0.059	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-11-13 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-11-14 00:00

Set Index: 1
WBEA ID: 221105442
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-4.0	°C	
Pressure		739.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	59.2	ng/m ³	V0
Acenaphthylene	0.001	1.61	ng/m ³	V0
Acenaphthene	0.001	0.959	ng/m ³	V0
Fluorene	0.001	1.48	ng/m ³	V0
Phenanthrene	0.001	2.65	ng/m ³	V0
Anthracene	0.001	0.542	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.354	ng/m ³	V0
Pyrene	0.001	0.308	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.160	ng/m ³	V0
Chrysene	0.001	0.360	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.725	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.725	ng/m ³	V0
Benzo(a)pyrene	0.001	0.078	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105516	
Start Date:	2022-11-15 13:50	End Date:	2022-11-15 13:51	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.344	ng/m ³	V0
Acenaphthylene	0.001	0.168	ng/m ³	V0
Acenaphthene	0.001	0.265	ng/m ³	V0
Fluorene	0.001	0.052	ng/m ³	V0
Phenanthrene	0.001	0.157	ng/m ³	V0
Anthracene	0.001	0.036	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.019	ng/m ³	V0
Pyrene	0.001	0.022	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benz(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.012	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.037	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.037	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-11-16 13:00

Samp Use: Field Procedure Blank
Loc ID: JANV
End Date: 2022-11-16 13:01

Set Index: 1
WBEA ID: 221105569
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.125	ng/m ³	V0
Acenaphthylene	0.001	0.101	ng/m ³	V0
Acenaphthene	0.001	0.091	ng/m ³	V0
Fluorene	0.001	0.047	ng/m ³	V0
Phenanthrene	0.001	0.058	ng/m ³	V0
Anthracene	0.001	0.018	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.015	ng/m ³	V0
Pyrene	0.001	0.015	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.007	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.022	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.022	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.003	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-11-19 00:00	Loc ID:	BGFM
		End Date:	2022-11-20 00:00
		Set Index:	1
		WBEA ID:	221105532
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-6.9	°C	
Pressure		732.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	31.0	ng/m ³	V0
Acenaphthylene	0.001	7.98	ng/m ³	V0
Acenaphthene	0.001	3.69	ng/m ³	V0
Fluorene	0.001	3.78	ng/m ³	V0
Phenanthrene	0.001	5.40	ng/m ³	V0
Anthracene	0.001	1.16	ng/m ³	V0
Acridine	0.001	0.015	ng/m ³	V0
Fluoranthene	0.001	1.29	ng/m ³	V0
Pyrene	0.001	1.15	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	2.62	ng/m ³	V0
Chrysene	0.001	1.95	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.015	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.960	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.959	ng/m ³	V0
Benzo(a)pyrene	0.001	0.046	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.050	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.019	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-11-19 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-11-20 00:00

Set Index: 1
WBEA ID: 221105543
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.5	°C	
Pressure		726.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	37.8	ng/m ³	V0
Acenaphthylene	0.001	4.45	ng/m ³	V0
Acenaphthene	0.001	0.724	ng/m ³	V0
Fluorene	0.001	1.37	ng/m ³	V0
Phenanthrene	0.001	2.55	ng/m ³	V0
Anthracene	0.001	0.561	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.721	ng/m ³	V0
Pyrene	0.001	0.783	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benzo(a)anthracene	0.001	0.104	ng/m ³	V0
Chrysene	0.001	0.319	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.474	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.474	ng/m ³	V0
Benzo(a)pyrene	0.001	0.050	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.011	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105545
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-8.6	°C	
Pressure		737.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	60.3	ng/m ³	V0
Acenaphthylene	0.001	4.90	ng/m ³	V0
Acenaphthene	0.001	1.53	ng/m ³	V0
Fluorene	0.001	2.94	ng/m ³	V0
Phenanthrene	0.001	9.57	ng/m ³	V0
Anthracene	0.001	2.26	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	2.23	ng/m ³	V0
Pyrene	0.001	2.34	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.565	ng/m ³	V0
Chrysene	0.001	1.09	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.531	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.531	ng/m ³	V0
Benzo(a)pyrene	0.001	0.040	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105557
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.2	°C	
Pressure		712.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	23.2	ng/m ³	V0
Acenaphthylene	0.001	2.55	ng/m ³	V0
Acenaphthene	0.001	0.869	ng/m ³	V0
Fluorene	0.001	1.01	ng/m ³	V0
Phenanthrene	0.001	1.41	ng/m ³	V0
Anthracene	0.001	0.193	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.459	ng/m ³	V0
Pyrene	0.001	0.506	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.064	ng/m ³	V0
Chrysene	0.001	0.270	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.611	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.611	ng/m ³	V0
Benzo(a)pyrene	0.001	0.059	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.013	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.011	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105558
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-5.2	°C	
Pressure		712.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.4	ng/m ³	V0
Acenaphthylene	0.001	2.85	ng/m ³	V0
Acenaphthene	0.001	0.881	ng/m ³	V0
Fluorene	0.001	1.05	ng/m ³	V0
Phenanthrene	0.001	1.48	ng/m ³	V0
Anthracene	0.001	0.197	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.477	ng/m ³	V0
Pyrene	0.001	0.419	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.060	ng/m ³	V0
Chrysene	0.001	0.233	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.515	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.515	ng/m ³	V0
Benzo(a)pyrene	0.001	0.054	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.009	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Conklin
Start Date: 2022-11-19 00:00

Samp Use: Exposure
Loc ID: CONK
End Date: 2022-11-20 00:00

Set Index: 1
WBEA ID: 221105575
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.7	°C	
Pressure		708.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	52.4	ng/m ³	V0
Acenaphthylene	0.001	3.91	ng/m ³	V0
Acenaphthene	0.001	1.25	ng/m ³	V0
Fluorene	0.001	1.63	ng/m ³	V0
Phenanthrene	0.001	4.14	ng/m ³	V0
Anthracene	0.001	1.19	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	1.02	ng/m ³	V0
Pyrene	0.001	0.846	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.013	ng/m ³	V0
Benzo(a)anthracene	0.001	0.151	ng/m ³	V0
Chrysene	0.001	0.430	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.641	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.640	ng/m ³	V0
Benzo(a)pyrene	0.001	0.045	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.016	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.025	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105570
Start Date:	2022-11-19 00:00	End Date:	2022-11-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.7	°C	
Pressure		716.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	43.8	ng/m ³	V0
Acenaphthylene	0.001	2.64	ng/m ³	V0
Acenaphthene	0.001	1.37	ng/m ³	V0
Fluorene	0.001	0.847	ng/m ³	V0
Phenanthrene	0.001	1.81	ng/m ³	V0
Anthracene	0.001	0.456	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	0.559	ng/m ³	V0
Pyrene	0.001	0.657	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.141	ng/m ³	V0
Chrysene	0.001	0.220	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.664	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.664	ng/m ³	V0
Benzo(a)pyrene	0.001	0.060	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.017	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-11-19 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-11-20 00:00

Set Index: 1
WBEA ID: 221105580
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-6.1	°C	
Pressure		735.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	32.8	ng/m ³	V0
Acenaphthylene	0.001	5.57	ng/m ³	V0
Acenaphthene	0.001	0.986	ng/m ³	V0
Fluorene	0.001	0.668	ng/m ³	V0
Phenanthrene	0.001	1.42	ng/m ³	V0
Anthracene	0.001	0.251	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.166	ng/m ³	V0
Pyrene	0.001	0.176	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.135	ng/m ³	V0
Chrysene	0.001	0.120	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.719	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.719	ng/m ³	V0
Benzo(a)pyrene	0.001	0.047	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.012	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.008	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105674	
Start Date:	2022-11-23 16:05	End Date:	2022-11-23 16:06	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.369	ng/m ³	V0
Acenaphthylene	0.001	0.174	ng/m ³	V0
Acenaphthene	0.001	0.237	ng/m ³	V0
Fluorene	0.001	0.045	ng/m ³	V0
Phenanthrene	0.001	0.135	ng/m ³	V0
Anthracene	0.001	0.032	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.022	ng/m ³	V0
Pyrene	0.001	0.025	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.016	ng/m ³	V0
Chrysene	0.001	0.016	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.029	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.029	ng/m ³	V0
Benzo(a)pyrene	0.001	0.005	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	-8888	ng/m ³	V1
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Patricia McInnes		Loc ID:	PATM	WBEA ID:	221105695
Start Date:	2022-11-24 16:20		End Date:	2022-11-24 16:21	Duration:	0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.118	ng/m ³	V0
Acenaphthylene	0.001	0.074	ng/m ³	V0
Acenaphthene	0.001	0.093	ng/m ³	V0
Fluorene	0.001	0.060	ng/m ³	V0
Phenanthrene	0.001	0.060	ng/m ³	V0
Anthracene	0.001	0.028	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.022	ng/m ³	V0
Pyrene	0.001	0.019	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benz(a)anthracene	0.001	0.013	ng/m ³	V0
Chrysene	0.001	0.010	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.021	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.021	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-11-25 00:00	Loc ID:	BGFM
		End Date:	2022-11-26 00:00
		Set Index:	1
		WBEA ID:	221105675
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		2.8	°C	
Pressure		725.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	5.03	ng/m ³	V0
Acenaphthylene	0.001	0.946	ng/m ³	V0
Acenaphthene	0.001	1.49	ng/m ³	V0
Fluorene	0.001	0.953	ng/m ³	V0
Phenanthrene	0.001	2.95	ng/m ³	V0
Anthracene	0.001	0.380	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.916	ng/m ³	V0
Pyrene	0.001	0.976	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.017	ng/m ³	V0
Benzo(a)anthracene	0.001	0.553	ng/m ³	V0
Chrysene	0.001	0.589	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.012	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.888	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.887	ng/m ³	V0
Benzo(a)pyrene	0.001	0.031	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.049	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.045	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.012	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105696
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.7	°C	
Pressure		717.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.0	ng/m ³	V0
Acenaphthylene	0.001	0.584	ng/m ³	V0
Acenaphthene	0.001	0.601	ng/m ³	V0
Fluorene	0.001	0.496	ng/m ³	V0
Phenanthrene	0.001	1.27	ng/m ³	V0
Anthracene	0.001	0.199	ng/m ³	V0
Acridine	0.001	0.012	ng/m ³	V0
Fluoranthene	0.001	0.157	ng/m ³	V0
Pyrene	0.001	0.100	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.060	ng/m ³	V0
Chrysene	0.001	0.051	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.425	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.425	ng/m ³	V0
Benzo(a)pyrene	0.001	0.025	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.008	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.014	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105689
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

Snow found on filter upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		3.7	°C	
Pressure		728.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	38.9	ng/m ³	V0
Acenaphthylene	0.001	12.7	ng/m ³	V0
Acenaphthene	0.001	5.15	ng/m ³	V0
Fluorene	0.001	5.17	ng/m ³	V0
Phenanthrene	0.001	4.40	ng/m ³	V0
Anthracene	0.001	3.18	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	4.01	ng/m ³	V0
Pyrene	0.001	3.38	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	1.17	ng/m ³	V0
Chrysene	0.001	1.23	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.665	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.665	ng/m ³	V0
Benzo(a)pyrene	0.001	0.074	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.023	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.017	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.020	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-11-26 00:00

Set Index: 1
WBEA ID: 221105590
Duration: 24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C	
Pressure		705.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.12	ng/m ³	V0
Acenaphthylene	0.001	3.87	ng/m ³	V0
Acenaphthene	0.001	0.677	ng/m ³	V0
Fluorene	0.001	0.651	ng/m ³	V0
Phenanthrene	0.001	1.61	ng/m ³	V0
Anthracene	0.001	0.405	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.240	ng/m ³	V0
Pyrene	0.001	0.183	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.031	ng/m ³	V0
Chrysene	0.001	0.069	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.414	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.414	ng/m ³	V0
Benzo(a)pyrene	0.001	0.033	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.017	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-11-26 00:00

Set Index: 2
WBEA ID: 221105591
Duration: 24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		4.2	°C	
Pressure		705.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.07	ng/m ³	V0
Acenaphthylene	0.001	3.46	ng/m ³	V0
Acenaphthene	0.001	0.674	ng/m ³	V0
Fluorene	0.001	0.604	ng/m ³	V0
Phenanthrene	0.001	1.69	ng/m ³	V0
Anthracene	0.001	0.363	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.228	ng/m ³	V0
Pyrene	0.001	0.168	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.035	ng/m ³	V0
Chrysene	0.001	0.073	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.391	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.391	ng/m ³	V0
Benzo(a)pyrene	0.001	0.032	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105602
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.1	°C	
Pressure		700.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.0	ng/m ³	V0
Acenaphthylene	0.001	3.83	ng/m ³	V0
Acenaphthene	0.001	1.31	ng/m ³	V0
Fluorene	0.001	1.18	ng/m ³	V0
Phenanthrene	0.001	2.77	ng/m ³	V0
Anthracene	0.001	0.554	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.591	ng/m ³	V0
Pyrene	0.001	0.425	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.101	ng/m ³	V0
Chrysene	0.001	0.119	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.427	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.427	ng/m ³	V0
Benzo(a)pyrene	0.001	0.047	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,h)anthracene	0.001	0.007	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105593
Start Date:	2022-11-25 00:00	End Date:	2022-11-26 00:00	Duration:	24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		3.4	°C	
Pressure		708.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.1	ng/m ³	V0
Acenaphthylene	0.001	4.61	ng/m ³	V0
Acenaphthene	0.001	0.557	ng/m ³	V0
Fluorene	0.001	0.663	ng/m ³	V0
Phenanthrene	0.001	1.68	ng/m ³	V0
Anthracene	0.001	0.565	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.313	ng/m ³	V0
Pyrene	0.001	0.287	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.028	ng/m ³	V0
Chrysene	0.001	0.073	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.387	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.387	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: FTCH
End Date: 2022-11-26 00:00

Set Index: 1
WBEA ID: 221105682
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-0.2	°C	
Pressure		726.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	35.7	ng/m ³	V0
Acenaphthylene	0.001	0.569	ng/m ³	V0
Acenaphthene	0.001	0.667	ng/m ³	V0
Fluorene	0.001	0.478	ng/m ³	V0
Phenanthrene	0.001	1.92	ng/m ³	V0
Anthracene	0.001	0.322	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.288	ng/m ³	V0
Pyrene	0.001	0.167	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.046	ng/m ³	V0
Chrysene	0.001	0.070	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.288	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.176	ng/m ³	V0
Benzo(a)pyrene	0.001	0.070	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.011	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.005	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-11-28 14:30

Samp Use: Field Procedure Blank
Loc ID: ATHV
End Date: 2022-11-28 14:31

Set Index: 1
WBEA ID: 221105715
Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	
Naphthalene	0.001	0.143	ng/m ³	
Acenaphthylene	0.001	0.102	ng/m ³	
Acenaphthene	0.001	0.103	ng/m ³	
Fluorene	0.001	0.058	ng/m ³	
Phenanthrene	0.001	0.093	ng/m ³	
Anthracene	0.001	0.022	ng/m ³	
Acridine	0.001	0.003	ng/m ³	
Fluoranthene	0.001	0.026	ng/m ³	
Pyrene	0.001	0.018	ng/m ³	
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	
Benz(a)anthracene	0.001	0.011	ng/m ³	
Chrysene	0.001	0.012	ng/m ³	
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	
Benzo(b)fluoranthene	0.001	0.201	ng/m ³	
Benzo(k)fluoranthene	0.001	0.201	ng/m ³	
Benzo(a)pyrene	0.001	0.004	ng/m ³	
3-Methylcholanthrene	0.001	0.005	ng/m ³	
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	
Benzo(ghi)perylene	0.001	0.002	ng/m ³	
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Bertha Ganter - Fort McKay
Start Date: 2022-11-30 10:51

Samp Use: Field Procedure Blank
Loc ID: BGFM
End Date: 2022-11-30 10:52

Set Index: 1
WBEA ID: 221105796
Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	
Naphthalene	0.001	0.311	ng/m ³	
Acenaphthylene	0.001	0.115	ng/m ³	
Acenaphthene	0.001	0.188	ng/m ³	
Fluorene	0.001	0.077	ng/m ³	
Phenanthrene	0.001	0.124	ng/m ³	
Anthracene	0.001	0.018	ng/m ³	
Acridine	0.001	0.005	ng/m ³	
Fluoranthene	0.001	0.016	ng/m ³	
Pyrene	0.001	0.017	ng/m ³	
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	
Benz(a)anthracene	0.001	0.006	ng/m ³	
Chrysene	0.001	0.013	ng/m ³	
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	
Benzo(b)fluoranthene	0.001	0.002	ng/m ³	
Benzo(k)fluoranthene	0.001	0.002	ng/m ³	
Benzo(a)pyrene	0.001	0.002	ng/m ³	
3-Methylcholanthrene	0.001	0.001	ng/m ³	
Indeno(123-cd)pyrene	0.001	0.001	ng/m ³	
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	
Benzo(ghi)perylene	0.001	0.001	ng/m ³	
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-12-01 00:00	Loc ID:	BGFM
		End Date:	2022-12-02 00:00
		Set Index:	1
		WBEA ID:	221105797
		Duration:	24.0 hr

Notes

Sample did not run due to dead motor.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-25.0	°C	
Pressure		733.7	mmHg	
Sample Volume		-9999	m ³	M2
Naphthalene	0.001	0.023	ng/m ³	V0
Acenaphthylene	0.001	0.023	ng/m ³	V0
Acenaphthene	0.001	0.012	ng/m ³	V0
Fluorene	0.001	0.025	ng/m ³	V0
Phenanthrene	0.001	0.024	ng/m ³	V0
Anthracene	0.001	0.018	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.016	ng/m ³	V0
Pyrene	0.001	0.017	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.004	ng/m ³	V0
Chrysene	0.001	0.003	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.016	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.016	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-02 00:00

Set Index: 1
WBEA ID: 221105726
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		730.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.4	ng/m ³	V0
Acenaphthylene	0.001	4.94	ng/m ³	V0
Acenaphthene	0.001	3.31	ng/m ³	V0
Fluorene	0.001	2.37	ng/m ³	V0
Phenanthrene	0.001	6.23	ng/m ³	V0
Anthracene	0.001	1.59	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.15	ng/m ³	V0
Pyrene	0.001	1.02	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.212	ng/m ³	V0
Chrysene	0.001	0.544	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.566	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.565	ng/m ³	V0
Benzo(a)pyrene	0.001	0.073	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.049	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221105716
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		740.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	26.3	ng/m ³	V0
Acenaphthylene	0.001	8.99	ng/m ³	V0
Acenaphthene	0.001	2.43	ng/m ³	V0
Fluorene	0.001	3.36	ng/m ³	V0
Phenanthrene	0.001	9.51	ng/m ³	V0
Anthracene	0.001	1.85	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	2.71	ng/m ³	V0
Pyrene	0.001	2.27	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	1.05	ng/m ³	V0
Chrysene	0.001	0.882	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.272	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.272	ng/m ³	V0
Benzo(a)pyrene	0.001	0.069	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.050	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.159	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221105780
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		715.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	27.6	ng/m ³	V0
Acenaphthylene	0.001	6.36	ng/m ³	V0
Acenaphthene	0.001	1.44	ng/m ³	V0
Fluorene	0.001	1.12	ng/m ³	V0
Phenanthrene	0.001	2.12	ng/m ³	V0
Anthracene	0.001	0.223	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.256	ng/m ³	V0
Pyrene	0.001	0.174	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.046	ng/m ³	V0
Chrysene	0.001	0.062	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.267	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.267	ng/m ³	V0
Benzo(a)pyrene	0.001	0.064	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.038	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-12-02 00:00

Set Index: 2
WBEA ID: 221105781
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		715.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	29.8	ng/m ³	V0
Acenaphthylene	0.001	6.64	ng/m ³	V0
Acenaphthene	0.001	1.51	ng/m ³	V0
Fluorene	0.001	1.16	ng/m ³	V0
Phenanthrene	0.001	2.32	ng/m ³	V0
Anthracene	0.001	0.248	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.287	ng/m ³	V0
Pyrene	0.001	0.299	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.053	ng/m ³	V0
Chrysene	0.001	0.068	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.282	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.282	ng/m ³	V0
Benzo(a)pyrene	0.001	0.068	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.037	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105774
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-26.0	°C	
Pressure		708.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.94	ng/m ³	V0
Acenaphthylene	0.001	3.58	ng/m ³	V0
Acenaphthene	0.001	1.20	ng/m ³	V0
Fluorene	0.001	0.681	ng/m ³	V0
Phenanthrene	0.001	1.99	ng/m ³	V0
Anthracene	0.001	0.274	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.02	ng/m ³	V0
Pyrene	0.001	0.847	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.155	ng/m ³	V0
Chrysene	0.001	0.131	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.383	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.383	ng/m ³	V0
Benzo(a)pyrene	0.001	0.085	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.026	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.028	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.012	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.015	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Janvier
Start Date: 2022-12-01 00:00

Samp Use: Exposure
Loc ID: JANV
End Date: 2022-12-02 00:00

Set Index: 1
WBEA ID: 221105757
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		716.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.81	ng/m ³	V0
Acenaphthylene	0.001	1.73	ng/m ³	V0
Acenaphthene	0.001	0.471	ng/m ³	V0
Fluorene	0.001	0.439	ng/m ³	V0
Phenanthrene	0.001	1.69	ng/m ³	V0
Anthracene	0.001	0.315	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.280	ng/m ³	V0
Pyrene	0.001	0.279	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V0
Benzo(a)anthracene	0.001	0.041	ng/m ³	V0
Chrysene	0.001	0.128	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.320	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.320	ng/m ³	V0
Benzo(a)pyrene	0.001	0.053	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.038	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.021	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID: 221105806
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration: 24.0 hr

Notes

Snow found on filter upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		739.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	32.4	ng/m ³	V0
Acenaphthylene	0.001	0.824	ng/m ³	V0
Acenaphthene	0.001	0.855	ng/m ³	V0
Fluorene	0.001	0.384	ng/m ³	V0
Phenanthrene	0.001	1.06	ng/m ³	V0
Anthracene	0.001	0.233	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.170	ng/m ³	V0
Pyrene	0.001	0.049	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.014	ng/m ³	V0
Chrysene	0.001	0.079	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.222	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.275	ng/m ³	V0
Benzo(a)pyrene	0.001	0.039	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.007	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205884	
Start Date:	2022-12-06 16:15	End Date:	2022-12-06 16:16	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.340	ng/m ³	V0
Acenaphthylene	0.001	0.112	ng/m ³	V0
Acenaphthene	0.001	0.209	ng/m ³	V0
Fluorene	0.001	0.073	ng/m ³	V0
Phenanthrene	0.001	0.142	ng/m ³	V0
Anthracene	0.001	0.028	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.023	ng/m ³	V0
Pyrene	0.001	0.023	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benz(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.016	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.007	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.007	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205821
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-23.0	°C	
Pressure		723.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	24.6	ng/m ³	V0
Acenaphthylene	0.001	6.19	ng/m ³	V0
Acenaphthene	0.001	2.66	ng/m ³	V0
Fluorene	0.001	1.55	ng/m ³	V0
Phenanthrene	0.001	4.24	ng/m ³	V0
Anthracene	0.001	0.279	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	1.08	ng/m ³	V0
Pyrene	0.001	0.974	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.269	ng/m ³	V0
Chrysene	0.001	0.485	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.507	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.552	ng/m ³	V0
Benzo(a)pyrene	0.001	0.082	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.033	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.040	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID:	221205833
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		735.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.7	ng/m ³	V0
Acenaphthylene	0.001	7.37	ng/m ³	V0
Acenaphthene	0.001	1.80	ng/m ³	V0
Fluorene	0.001	2.36	ng/m ³	V0
Phenanthrene	0.001	7.13	ng/m ³	V0
Anthracene	0.001	1.19	ng/m ³	V0
Acridine	0.001	0.005	ng/m ³	V0
Fluoranthene	0.001	1.65	ng/m ³	V0
Pyrene	0.001	1.65	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.554	ng/m ³	V0
Chrysene	0.001	0.466	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.484	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.484	ng/m ³	V0
Benzo(a)pyrene	0.001	0.067	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.032	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.070	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.028	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.011	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205839
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		711.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	25.3	ng/m ³	V0
Acenaphthylene	0.001	3.90	ng/m ³	V0
Acenaphthene	0.001	1.23	ng/m ³	V0
Fluorene	0.001	0.947	ng/m ³	V0
Phenanthrene	0.001	1.57	ng/m ³	V0
Anthracene	0.001	0.207	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.247	ng/m ³	V0
Pyrene	0.001	0.198	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.166	ng/m ³	V0
Chrysene	0.001	0.146	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.435	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.435	ng/m ³	V0
Benzo(a)pyrene	0.001	0.060	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.029	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.013	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205840
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		711.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	26.1	ng/m ³	V0
Acenaphthylene	0.001	4.66	ng/m ³	V0
Acenaphthene	0.001	1.46	ng/m ³	V0
Fluorene	0.001	1.09	ng/m ³	V0
Phenanthrene	0.001	1.67	ng/m ³	V0
Anthracene	0.001	0.196	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.287	ng/m ³	V0
Pyrene	0.001	0.208	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.170	ng/m ³	V0
Chrysene	0.001	0.175	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.460	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.460	ng/m ³	V0
Benzo(a)pyrene	0.001	0.065	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH	Samp Use: Exposure	Set Index: 1
Location: Conklin	Loc ID: CONK	WBEA ID: 221205859
Start Date: 2022-12-07 00:00	End Date: 2022-12-08 00:00	Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-20.0	°C	
Pressure		705.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.1	ng/m ³	V0
Acenaphthylene	0.001	5.05	ng/m ³	V0
Acenaphthene	0.001	0.911	ng/m ³	V0
Fluorene	0.001	1.77	ng/m ³	V0
Phenanthrene	0.001	5.72	ng/m ³	V0
Anthracene	0.001	1.46	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	1.50	ng/m ³	V0
Pyrene	0.001	1.19	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.223	ng/m ³	V0
Chrysene	0.001	0.188	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.503	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.502	ng/m ³	V0
Benzo(a)pyrene	0.001	0.098	ng/m ³	V0
3-Methylcholanthrene	0.001	0.014	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.030	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.036	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205841
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-21.0	°C	
Pressure		712.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.16	ng/m ³	V0
Acenaphthylene	0.001	1.80	ng/m ³	V0
Acenaphthene	0.001	0.510	ng/m ³	V0
Fluorene	0.001	0.608	ng/m ³	V0
Phenanthrene	0.001	1.62	ng/m ³	V0
Anthracene	0.001	0.279	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.311	ng/m ³	V0
Pyrene	0.001	0.254	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.258	ng/m ³	V0
Chrysene	0.001	0.217	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.494	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.494	ng/m ³	V0
Benzo(a)pyrene	0.001	0.071	ng/m ³	V0
3-Methylcholanthrene	0.001	0.012	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.038	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.032	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221205856
Start Date:	2022-12-07 00:00	End Date:	2022-12-08 00:00	Duration:	24.0 hr

Notes

Low sample volume (315.87/316.00)

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-25.0	°C	
Pressure		730.0	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	28.2	ng/m ³	V6
Acenaphthylene	0.001	0.805	ng/m ³	V6
Acenaphthene	0.001	0.338	ng/m ³	V6
Fluorene	0.001	0.598	ng/m ³	V6
Phenanthrene	0.001	2.11	ng/m ³	V6
Anthracene	0.001	0.361	ng/m ³	V6
Acridine	0.001	0.002	ng/m ³	V6
Fluoranthene	0.001	0.153	ng/m ³	V6
Pyrene	0.001	0.108	ng/m ³	V6
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V6
Benzo(a)anthracene	0.001	0.065	ng/m ³	V6
Chrysene	0.001	0.184	ng/m ³	V6
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V6
Benzo(b)fluoranthene	0.001	0.043	ng/m ³	V6
Benzo(k)fluoranthene	0.001	0.040	ng/m ³	V6
Benzo(a)pyrene	0.001	0.027	ng/m ³	V6
3-Methylcholanthrene	0.001	0.005	ng/m ³	V6
Indeno(123-cd)pyrene	0.001	0.005	ng/m ³	V6
Dibenz(a,h)anthracene	0.001	0.008	ng/m ³	V6
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V6
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V6
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V6
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205922	
Start Date:	2022-12-08 14:40	End Date:	2022-12-08 14:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.242	ng/m ³	V0
Acenaphthylene	0.001	0.092	ng/m ³	V0
Acenaphthene	0.001	0.172	ng/m ³	V0
Fluorene	0.001	0.068	ng/m ³	V0
Phenanthrene	0.001	0.100	ng/m ³	V0
Anthracene	0.001	0.017	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.016	ng/m ³	V0
Pyrene	0.001	0.017	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.014	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.004	ng/m ³	V0
Benzo(a)pyrene	0.001	0.002	ng/m ³	V0
3-Methylcholanthrene	0.001	0.002	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-12-08 15:00	Loc ID:	BGFM
		End Date:	2022-12-09 15:00
		Set Index:	1
		WBEA ID:	221205899
		Duration:	24.0 hr

Notes

Sample ran from December 8th 15:00 MST to December 9th 15:00 MST due to dead motor on December 7th NAPS day.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-14.2	°C	
Pressure		726.4	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	23.3	ng/m ³	V6
Acenaphthylene	0.001	4.29	ng/m ³	V6
Acenaphthene	0.001	3.65	ng/m ³	V6
Fluorene	0.001	2.32	ng/m ³	V6
Phenanthrene	0.001	8.69	ng/m ³	V6
Anthracene	0.001	0.839	ng/m ³	V6
Acridine	0.001	0.011	ng/m ³	V6
Fluoranthene	0.001	1.25	ng/m ³	V6
Pyrene	0.001	1.69	ng/m ³	V6
Benzo(c)phenanthrene	0.001	0.012	ng/m ³	V6
Benzo(a)anthracene	0.001	0.384	ng/m ³	V6
Chrysene	0.001	0.488	ng/m ³	V6
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V6
Benzo(b)fluoranthene	0.001	0.118	ng/m ³	V6
Benzo(k)fluoranthene	0.001	0.118	ng/m ³	V6
Benzo(a)pyrene	0.001	0.061	ng/m ³	V6
3-Methylcholanthrene	0.001	0.011	ng/m ³	V6
Indeno(123-cd)pyrene	0.001	0.014	ng/m ³	V6
Dibenz(a,h)anthracene	0.001	0.019	ng/m ³	V6
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V6
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V6
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V6
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-12-12 16:55

Samp Use: Field Procedure Blank
Loc ID: ANZC
End Date: 2022-12-12 16:56

Set Index: 1
WBEA ID: 221205961
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.125	ng/m ³	V0
Acenaphthylene	0.001	0.091	ng/m ³	V0
Acenaphthene	0.001	0.091	ng/m ³	V0
Fluorene	0.001	0.050	ng/m ³	V0
Phenanthrene	0.001	0.084	ng/m ³	V0
Anthracene	0.001	0.017	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.032	ng/m ³	V0
Pyrene	0.001	0.018	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.010	ng/m ³	V0
Chrysene	0.001	0.009	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.167	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.167	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.001	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Bertha Ganter - Fort McKay
Start Date: 2022-12-13 00:00

Samp Use: Exposure
Loc ID: BGFM
End Date: 2022-12-14 00:00

Set Index: 1
WBEA ID: 221205941
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		737.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.8	ng/m ³	V0
Acenaphthylene	0.001	3.45	ng/m ³	V0
Acenaphthene	0.001	2.31	ng/m ³	V0
Fluorene	0.001	1.92	ng/m ³	V0
Phenanthrene	0.001	3.80	ng/m ³	V0
Anthracene	0.001	0.660	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.516	ng/m ³	V0
Pyrene	0.001	0.464	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.374	ng/m ³	V0
Chrysene	0.001	0.483	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.091	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.091	ng/m ³	V0
Benzo(a)pyrene	0.001	0.072	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.014	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-12-13 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-12-14 00:00

Set Index: 1
WBEA ID: 221205917
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		722.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	30.2	ng/m ³	V0
Acenaphthylene	0.001	8.10	ng/m ³	V0
Acenaphthene	0.001	0.900	ng/m ³	V0
Fluorene	0.001	1.85	ng/m ³	V0
Phenanthrene	0.001	4.44	ng/m ³	V0
Anthracene	0.001	0.979	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	1.03	ng/m ³	V0
Pyrene	0.001	0.937	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.189	ng/m ³	V0
Chrysene	0.001	0.555	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.454	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.454	ng/m ³	V0
Benzo(a)pyrene	0.001	0.071	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.042	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.023	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.029	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-12-13 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-12-14 00:00

Set Index: 1
WBEA ID: 221205931
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		739.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	31.2	ng/m ³	V0
Acenaphthylene	0.001	8.40	ng/m ³	V0
Acenaphthene	0.001	4.81	ng/m ³	V0
Fluorene	0.001	3.74	ng/m ³	V0
Phenanthrene	0.001	6.92	ng/m ³	V0
Anthracene	0.001	0.480	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	2.81	ng/m ³	V0
Pyrene	0.001	2.84	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.423	ng/m ³	V0
Chrysene	0.001	0.399	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.315	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.315	ng/m ³	V0
Benzo(a)pyrene	0.001	0.097	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.039	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.040	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.021	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-12-13 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-12-14 00:00

Set Index: 1
WBEA ID: 221205962
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		715.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.1	ng/m ³	V0
Acenaphthylene	0.001	3.62	ng/m ³	V0
Acenaphthene	0.001	0.568	ng/m ³	V0
Fluorene	0.001	1.26	ng/m ³	V0
Phenanthrene	0.001	2.27	ng/m ³	V0
Anthracene	0.001	0.328	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.540	ng/m ³	V0
Pyrene	0.001	0.452	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.169	ng/m ³	V0
Chrysene	0.001	0.142	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.673	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.673	ng/m ³	V0
Benzo(a)pyrene	0.001	0.072	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.037	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.023	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221205963
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		715.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	16.6	ng/m ³	V0
Acenaphthylene	0.001	3.73	ng/m ³	V0
Acenaphthene	0.001	0.542	ng/m ³	V0
Fluorene	0.001	1.21	ng/m ³	V0
Phenanthrene	0.001	2.14	ng/m ³	V0
Anthracene	0.001	0.339	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.516	ng/m ³	V0
Pyrene	0.001	0.449	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.157	ng/m ³	V0
Chrysene	0.001	0.132	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.627	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.626	ng/m ³	V0
Benzo(a)pyrene	0.001	0.068	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.043	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221205949
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-11.0	°C	
Pressure		709.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.1	ng/m ³	V0
Acenaphthylene	0.001	3.85	ng/m ³	V0
Acenaphthene	0.001	0.744	ng/m ³	V0
Fluorene	0.001	1.45	ng/m ³	V0
Phenanthrene	0.001	3.75	ng/m ³	V0
Anthracene	0.001	0.678	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.898	ng/m ³	V0
Pyrene	0.001	0.658	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.126	ng/m ³	V0
Chrysene	0.001	0.394	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.477	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.476	ng/m ³	V0
Benzo(a)pyrene	0.001	0.070	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.028	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.032	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221205955
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-12.0	°C	
Pressure		717.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.5	ng/m ³	V0
Acenaphthylene	0.001	3.43	ng/m ³	V0
Acenaphthene	0.001	0.471	ng/m ³	V0
Fluorene	0.001	1.16	ng/m ³	V0
Phenanthrene	0.001	1.87	ng/m ³	V0
Anthracene	0.001	0.428	ng/m ³	V0
Acridine	0.001	0.011	ng/m ³	V0
Fluoranthene	0.001	0.384	ng/m ³	V0
Pyrene	0.001	0.270	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.277	ng/m ³	V0
Chrysene	0.001	0.233	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.419	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.419	ng/m ³	V0
Benzo(a)pyrene	0.001	0.076	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.030	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.013	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.021	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205993	
Start Date:	2022-12-14 15:40	End Date:	2022-12-14 15:41	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.289	ng/m ³	V0
Acenaphthylene	0.001	0.129	ng/m ³	V0
Acenaphthene	0.001	0.185	ng/m ³	V0
Fluorene	0.001	0.062	ng/m ³	V0
Phenanthrene	0.001	0.100	ng/m ³	V0
Anthracene	0.001	0.027	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.021	ng/m ³	V0
Pyrene	0.001	0.020	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benz(a)anthracene	0.001	0.009	ng/m ³	V0
Chrysene	0.001	0.012	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.009	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.003	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Fort Chipewyan
Start Date: 2022-12-15 14:00

Samp Use: Field Procedure Blank
Loc ID: FTCH
End Date: 2022-12-15 14:01

Set Index: 1
WBEA ID: 221205853
Duration: 0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.154	ng/m ³	V0
Acenaphthylene	0.001	0.092	ng/m ³	V0
Acenaphthene	0.001	0.069	ng/m ³	V0
Fluorene	0.001	0.054	ng/m ³	V0
Phenanthrene	0.001	0.054	ng/m ³	V0
Anthracene	0.001	0.009	ng/m ³	V0
Acridine	0.001	0.004	ng/m ³	V0
Fluoranthene	0.001	0.011	ng/m ³	V0
Pyrene	0.001	0.006	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benz(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.004	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.008	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.003	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.003	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206036
Start Date:	2022-12-15 14:50	End Date:	2022-12-15 14:51	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.101	ng/m ³	V0
Acenaphthylene	0.001	0.069	ng/m ³	V0
Acenaphthene	0.001	0.086	ng/m ³	V0
Fluorene	0.001	0.056	ng/m ³	V0
Phenanthrene	0.001	0.092	ng/m ³	V0
Anthracene	0.001	0.021	ng/m ³	V0
Acridine	0.001	0.002	ng/m ³	V0
Fluoranthene	0.001	0.035	ng/m ³	V0
Pyrene	0.001	0.018	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.005	ng/m ³	V0
Benz(a)anthracene	0.001	0.006	ng/m ³	V0
Chrysene	0.001	0.008	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.147	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.147	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Fort Chipewyan	Loc ID:	FTCH	WBEA ID:	221206035
Start Date:	2022-12-15 15:00	End Date:	2022-12-16 15:00	Duration:	24.0 hr

Notes

Sample ran from 15:00 MST on December 15th to 15:00 MST on December 16th instead of December 13th NAPS day.
Low sample volume (315.83/316.00)

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-14.0	°C	
Pressure		742.1	mmHg	
Sample Volume		316	m ³	V6
Naphthalene	0.001	13.2	ng/m ³	V6
Acenaphthylene	0.001	0.330	ng/m ³	V6
Acenaphthene	0.001	0.301	ng/m ³	V6
Fluorene	0.001	0.219	ng/m ³	V6
Phenanthrene	0.001	0.568	ng/m ³	V6
Anthracene	0.001	0.116	ng/m ³	V6
Acridine	0.001	0.003	ng/m ³	V6
Fluoranthene	0.001	0.091	ng/m ³	V6
Pyrene	0.001	0.032	ng/m ³	V6
Benzo(c)phenanthrene	0.001	0.003	ng/m ³	V6
Benzo(a)anthracene	0.001	0.027	ng/m ³	V6
Chrysene	0.001	0.028	ng/m ³	V6
7,12-Dimethylbenz(a)anthracene	0.001	0.003	ng/m ³	V6
Benzo(b)fluoranthene	0.001	0.050	ng/m ³	V6
Benzo(k)fluoranthene	0.001	0.044	ng/m ³	V6
Benzo(a)pyrene	0.001	0.050	ng/m ³	V6
3-Methylcholanthrene	0.001	0.004	ng/m ³	V6
Indeno(123-cd)pyrene	0.001	0.006	ng/m ³	V6
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V6
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V6
Dibenzo(a,l)pyrene	0.001	0.001	ng/m ³	V6
Dibenzo(a,i)pyrene	0.001	0.001	ng/m ³	V6
Dibenzo(a,h)pyrene	0.001	0.001	ng/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-12-19 00:00	Loc ID: BGFM	WBEA ID: 221205994
		End Date: 2022-12-20 00:00	Duration: 24.0 hr

Notes

Snow found on filter upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-26.0	°C	
Pressure		755.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.14	ng/m ³	V0
Acenaphthylene	0.001	2.93	ng/m ³	V0
Acenaphthene	0.001	1.34	ng/m ³	V0
Fluorene	0.001	0.418	ng/m ³	V0
Phenanthrene	0.001	1.35	ng/m ³	V0
Anthracene	0.001	0.147	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.192	ng/m ³	V0
Pyrene	0.001	0.300	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.029	ng/m ³	V0
Chrysene	0.001	0.323	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.398	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.398	ng/m ³	V0
Benzo(a)pyrene	0.001	0.085	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.030	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206007
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

Snow found on filter upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		741.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	21.9	ng/m ³	V0
Acenaphthylene	0.001	3.13	ng/m ³	V0
Acenaphthene	0.001	1.40	ng/m ³	V0
Fluorene	0.001	1.53	ng/m ³	V0
Phenanthrene	0.001	3.23	ng/m ³	V0
Anthracene	0.001	0.628	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.387	ng/m ³	V0
Pyrene	0.001	0.338	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.166	ng/m ³	V0
Chrysene	0.001	0.140	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.302	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.302	ng/m ³	V0
Benzo(a)pyrene	0.001	0.088	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.031	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.049	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.036	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 221206044
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration: 24.0 hr

Notes

Snow found on filter upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		758.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.53	ng/m ³	V0
Acenaphthylene	0.001	1.64	ng/m ³	V0
Acenaphthene	0.001	0.267	ng/m ³	V0
Fluorene	0.001	0.005	ng/m ³	V0
Phenanthrene	0.001	0.328	ng/m ³	V0
Anthracene	0.001	0.058	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.058	ng/m ³	V0
Pyrene	0.001	0.037	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.023	ng/m ³	V0
Chrysene	0.001	0.020	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.262	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.262	ng/m ³	V0
Benzo(a)pyrene	0.001	0.038	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.033	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.034	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206017
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		727.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	9.34	ng/m ³	V0
Acenaphthylene	0.001	3.35	ng/m ³	V0
Acenaphthene	0.001	0.775	ng/m ³	V0
Fluorene	0.001	0.403	ng/m ³	V0
Phenanthrene	0.001	0.883	ng/m ³	V0
Anthracene	0.001	0.092	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.137	ng/m ³	V0
Pyrene	0.001	0.127	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.037	ng/m ³	V0
Chrysene	0.001	0.032	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.806	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.806	ng/m ³	V0
Benzo(a)pyrene	0.001	0.043	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.019	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Anzac	Loc ID:	ANZC	WBEA ID:	221206018
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-24.0	°C	
Pressure		727.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	8.57	ng/m ³	V0
Acenaphthylene	0.001	3.37	ng/m ³	V0
Acenaphthene	0.001	0.763	ng/m ³	V0
Fluorene	0.001	0.403	ng/m ³	V0
Phenanthrene	0.001	0.891	ng/m ³	V0
Anthracene	0.001	0.095	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.134	ng/m ³	V0
Pyrene	0.001	0.127	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.036	ng/m ³	V0
Chrysene	0.001	0.029	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.831	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.831	ng/m ³	V0
Benzo(a)pyrene	0.001	0.043	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.002	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206037
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-25.0	°C	
Pressure		723.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	11.2	ng/m ³	V0
Acenaphthylene	0.001	2.12	ng/m ³	V0
Acenaphthene	0.001	0.258	ng/m ³	V0
Fluorene	0.001	0.843	ng/m ³	V0
Phenanthrene	0.001	0.989	ng/m ³	V0
Anthracene	0.001	0.186	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.662	ng/m ³	V0
Pyrene	0.001	0.647	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.104	ng/m ³	V0
Chrysene	0.001	0.183	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.011	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.433	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.371	ng/m ³	V0
Benzo(a)pyrene	0.001	0.058	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.025	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.028	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Janvier	Loc ID:	JANV	WBEA ID: 221206000
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		733.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	10.3	ng/m ³	V0
Acenaphthylene	0.001	1.19	ng/m ³	V0
Acenaphthene	0.001	0.182	ng/m ³	V0
Fluorene	0.001	0.144	ng/m ³	V0
Phenanthrene	0.001	0.591	ng/m ³	V0
Anthracene	0.001	0.133	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.119	ng/m ³	V0
Pyrene	0.001	0.072	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.023	ng/m ³	V0
Chrysene	0.001	0.020	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.481	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.481	ng/m ³	V0
Benzo(a)pyrene	0.001	0.029	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.027	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Fort Chipewyan	Samp Use:	Exposure
Start Date:	2022-12-19 00:00	Loc ID:	FTCH
		End Date:	2022-12-20 00:00
		Set Index:	1
		WBEA ID:	221206046
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		753.0	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	12.7	ng/m ³	V0
Acenaphthylene	0.001	0.492	ng/m ³	V0
Acenaphthene	0.001	0.502	ng/m ³	V0
Fluorene	0.001	0.563	ng/m ³	V0
Phenanthrene	0.001	0.598	ng/m ³	V0
Anthracene	0.001	0.187	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.331	ng/m ³	V0
Pyrene	0.001	0.292	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benzo(a)anthracene	0.001	0.042	ng/m ³	V0
Chrysene	0.001	0.070	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.073	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.073	ng/m ³	V0
Benzo(a)pyrene	0.001	0.054	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.009	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.007	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,h)pyrene	0.001	0.002	ng/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206078
Start Date:	2022-12-20 16:15	End Date:	2022-12-20 16:16	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.121	ng/m ³	V0
Acenaphthylene	0.001	0.099	ng/m ³	V0
Acenaphthene	0.001	0.047	ng/m ³	V0
Fluorene	0.001	0.089	ng/m ³	V0
Phenanthrene	0.001	0.088	ng/m ³	V0
Anthracene	0.001	0.018	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.028	ng/m ³	V0
Pyrene	0.001	0.021	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.009	ng/m ³	V0
Chrysene	0.001	0.006	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.004	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.358	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.358	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.004	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.002	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206121	
Start Date:	2022-12-22 14:00	End Date:	2022-12-22 14:01	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.138	ng/m ³	V0
Acenaphthylene	0.001	0.077	ng/m ³	V0
Acenaphthene	0.001	0.061	ng/m ³	V0
Fluorene	0.001	0.058	ng/m ³	V0
Phenanthrene	0.001	0.064	ng/m ³	V0
Anthracene	0.001	0.018	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.030	ng/m ³	V0
Pyrene	0.001	0.021	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.004	ng/m ³	V0
Benz(a)anthracene	0.001	0.010	ng/m ³	V0
Chrysene	0.001	0.005	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.112	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.112	ng/m ³	V0
Benzo(a)pyrene	0.001	0.003	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.002	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use:	Exposure
Start Date:	2022-12-25 00:00	Loc ID:	BGFM
		End Date:	2022-12-26 00:00
		Set Index:	1
		WBEA ID:	221206122
		Duration:	24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-24.0	°C	
Pressure		743.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.75	ng/m ³	V0
Acenaphthylene	0.001	3.04	ng/m ³	V0
Acenaphthene	0.001	1.36	ng/m ³	V0
Fluorene	0.001	0.688	ng/m ³	V0
Phenanthrene	0.001	1.59	ng/m ³	V0
Anthracene	0.001	0.251	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.323	ng/m ³	V0
Pyrene	0.001	0.305	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.009	ng/m ³	V0
Benzo(a)anthracene	0.001	0.141	ng/m ³	V0
Chrysene	0.001	0.220	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.358	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.358	ng/m ³	V0
Benzo(a)pyrene	0.001	0.089	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.044	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.023	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.005	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221206104
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C	
Pressure		729.7	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	13.0	ng/m ³	V0
Acenaphthylene	0.001	5.86	ng/m ³	V0
Acenaphthene	0.001	1.79	ng/m ³	V0
Fluorene	0.001	1.64	ng/m ³	V0
Phenanthrene	0.001	3.91	ng/m ³	V0
Anthracene	0.001	0.835	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	0.529	ng/m ³	V0
Pyrene	0.001	0.480	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.142	ng/m ³	V0
Chrysene	0.001	0.345	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.433	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.432	ng/m ³	V0
Benzo(a)pyrene	0.001	0.089	ng/m ³	V0
3-Methylcholanthrene	0.001	0.011	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.046	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.033	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.026	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Exposure	Set Index: 1
Location:	Athabasca Valley	Loc ID:	ATHV	WBEA ID: 221206088
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-23.0	°C	
Pressure		746.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	36.2	ng/m ³	V0
Acenaphthylene	0.001	3.85	ng/m ³	V0
Acenaphthene	0.001	1.71	ng/m ³	V0
Fluorene	0.001	2.08	ng/m ³	V0
Phenanthrene	0.001	5.83	ng/m ³	V0
Anthracene	0.001	1.05	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.714	ng/m ³	V0
Pyrene	0.001	0.708	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.272	ng/m ³	V0
Chrysene	0.001	0.229	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.407	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.407	ng/m ³	V0
Benzo(a)pyrene	0.001	0.087	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.073	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.027	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-12-25 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-12-26 00:00

Set Index: 1
WBEA ID: 221206057
Duration: 24.0 hr

Notes

thin layer of snow on filter

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-22.0	°C	
Pressure		716.2	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.0	ng/m ³	V0
Acenaphthylene	0.001	2.99	ng/m ³	V0
Acenaphthene	0.001	1.34	ng/m ³	V0
Fluorene	0.001	0.999	ng/m ³	V0
Phenanthrene	0.001	1.86	ng/m ³	V0
Anthracene	0.001	0.222	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	0.571	ng/m ³	V0
Pyrene	0.001	0.711	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benzo(a)anthracene	0.001	0.124	ng/m ³	V0
Chrysene	0.001	0.170	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.363	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.315	ng/m ³	V0
Benzo(a)pyrene	0.001	0.086	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.017	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.021	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.019	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206067
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Heavy flurries present during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		712.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	15.3	ng/m ³	V0
Acenaphthylene	0.001	2.02	ng/m ³	V0
Acenaphthene	0.001	0.592	ng/m ³	V0
Fluorene	0.001	0.621	ng/m ³	V0
Phenanthrene	0.001	2.35	ng/m ³	V0
Anthracene	0.001	0.277	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	0.421	ng/m ³	V0
Pyrene	0.001	0.274	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.121	ng/m ³	V0
Chrysene	0.001	0.102	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.636	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.635	ng/m ³	V0
Benzo(a)pyrene	0.001	0.059	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.006	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.021	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206068
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Heavy flurries in the area during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		712.8	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	14.4	ng/m ³	V0
Acenaphthylene	0.001	1.93	ng/m ³	V0
Acenaphthene	0.001	0.597	ng/m ³	V0
Fluorene	0.001	0.538	ng/m ³	V0
Phenanthrene	0.001	2.23	ng/m ³	V0
Anthracene	0.001	0.299	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.418	ng/m ³	V0
Pyrene	0.001	0.262	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.119	ng/m ³	V0
Chrysene	0.001	0.108	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.670	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.669	ng/m ³	V0
Benzo(a)pyrene	0.001	0.052	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.032	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.021	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206079
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Light flurries during sample collection.

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-17.0	°C	
Pressure		721.1	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	7.08	ng/m ³	V0
Acenaphthylene	0.001	2.04	ng/m ³	V0
Acenaphthene	0.001	0.321	ng/m ³	V0
Fluorene	0.001	0.256	ng/m ³	V0
Phenanthrene	0.001	0.601	ng/m ³	V0
Anthracene	0.001	0.123	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.108	ng/m ³	V0
Pyrene	0.001	0.050	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.006	ng/m ³	V0
Benzo(a)anthracene	0.001	0.026	ng/m ³	V0
Chrysene	0.001	0.022	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.362	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.362	ng/m ³	V0
Benzo(a)pyrene	0.001	0.031	ng/m ³	V0
3-Methylcholanthrene	0.001	0.005	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.020	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	-8888	ng/m ³	V1
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.004	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information		
Sample Type:	PAH	Samp Use:	Field Procedure Blank	Set Index: 1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID: 221206137
Start Date:	2022-12-28 11:00	End Date:	2022-12-28 11:01	Duration: 0.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.162	ng/m ³	V0
Acenaphthylene	0.001	0.081	ng/m ³	V0
Acenaphthene	0.001	0.097	ng/m ³	V0
Fluorene	0.001	0.079	ng/m ³	V0
Phenanthrene	0.001	0.093	ng/m ³	V0
Anthracene	0.001	0.030	ng/m ³	V0
Acridine	0.001	0.006	ng/m ³	V0
Fluoranthene	0.001	0.018	ng/m ³	V0
Pyrene	0.001	0.026	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.007	ng/m ³	V0
Benz(a)anthracene	0.001	0.011	ng/m ³	V0
Chrysene	0.001	0.010	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.007	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.316	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.316	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.002	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.005	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.001	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221206196	
Start Date:	2022-12-28 11:25	End Date:	2022-12-28 11:26	Duration:	0.0 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		316	m ³	V0
Naphthalene	0.001	0.123	ng/m ³	V0
Acenaphthylene	0.001	0.085	ng/m ³	V0
Acenaphthene	0.001	0.100	ng/m ³	V0
Fluorene	0.001	0.095	ng/m ³	V0
Phenanthrene	0.001	0.086	ng/m ³	V0
Anthracene	0.001	0.044	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.023	ng/m ³	V0
Pyrene	0.001	0.037	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benz(a)anthracene	0.001	0.008	ng/m ³	V0
Chrysene	0.001	0.009	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.009	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.275	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.275	ng/m ³	V0
Benzo(a)pyrene	0.001	0.004	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.004	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.004	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.004	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PAH	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-12-31 00:00	Loc ID: BGFM	WBEA ID: 221206197
		End Date: 2023-01-01 00:00	Duration: 24.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Temperature		-9.6	°C	
Pressure		727.3	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	32.8	ng/m ³	V0
Acenaphthylene	0.001	8.66	ng/m ³	V0
Acenaphthene	0.001	1.67	ng/m ³	V0
Fluorene	0.001	2.34	ng/m ³	V0
Phenanthrene	0.001	4.78	ng/m ³	V0
Anthracene	0.001	0.924	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.911	ng/m ³	V0
Pyrene	0.001	0.933	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.506	ng/m ³	V0
Chrysene	0.001	0.426	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.432	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.432	ng/m ³	V0
Benzo(a)pyrene	0.001	0.089	ng/m ³	V0
3-Methylcholanthrene	0.001	0.010	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.035	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.156	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.015	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.006	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Patricia McInnes
Start Date: 2022-12-31 00:00

Samp Use: Exposure
Loc ID: PATM
End Date: 2023-01-01 00:00

Set Index: 1
WBEA ID: 221206136
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		712.9	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	22.1	ng/m ³	V0
Acenaphthylene	0.001	8.90	ng/m ³	V0
Acenaphthene	0.001	1.17	ng/m ³	V0
Fluorene	0.001	1.89	ng/m ³	V0
Phenanthrene	0.001	5.22	ng/m ³	V0
Anthracene	0.001	0.977	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	1.19	ng/m ³	V0
Pyrene	0.001	0.974	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.197	ng/m ³	V0
Chrysene	0.001	0.166	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.506	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.506	ng/m ³	V0
Benzo(a)pyrene	0.001	0.086	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.042	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.044	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.022	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Athabasca Valley
Start Date: 2022-12-31 00:00

Samp Use: Exposure
Loc ID: ATHV
End Date: 2023-01-01 00:00

Set Index: 1
WBEA ID: 221206142
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		729.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	29.1	ng/m ³	V0
Acenaphthylene	0.001	8.72	ng/m ³	V0
Acenaphthene	0.001	1.67	ng/m ³	V0
Fluorene	0.001	3.99	ng/m ³	V0
Phenanthrene	0.001	7.03	ng/m ³	V0
Anthracene	0.001	2.02	ng/m ³	V0
Acridine	0.001	0.007	ng/m ³	V0
Fluoranthene	0.001	2.23	ng/m ³	V0
Pyrene	0.001	1.67	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.575	ng/m ³	V0
Chrysene	0.001	0.931	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.005	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.139	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.139	ng/m ³	V0
Benzo(a)pyrene	0.001	0.064	ng/m ³	V0
3-Methylcholanthrene	0.001	0.007	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.024	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.110	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.014	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.010	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PAH
Location: Anzac
Start Date: 2022-12-31 00:00

Samp Use: Exposure
Loc ID: ANZC
End Date: 2023-01-01 00:00

Set Index: 1
WBEA ID: 221206148
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-10.0	°C	
Pressure		701.6	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	19.3	ng/m ³	V0
Acenaphthylene	0.001	2.52	ng/m ³	V0
Acenaphthene	0.001	0.980	ng/m ³	V0
Fluorene	0.001	1.29	ng/m ³	V0
Phenanthrene	0.001	0.911	ng/m ³	V0
Anthracene	0.001	0.109	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.625	ng/m ³	V0
Pyrene	0.001	0.640	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.008	ng/m ³	V0
Benzo(a)anthracene	0.001	0.164	ng/m ³	V0
Chrysene	0.001	0.215	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.284	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.284	ng/m ³	V0
Benzo(a)pyrene	0.001	0.032	ng/m ³	V0
3-Methylcholanthrene	0.001	0.009	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.018	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.025	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.024	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.007	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206155
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.8	°C	
Pressure		699.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	31.1	ng/m ³	V0
Acenaphthylene	0.001	4.86	ng/m ³	V0
Acenaphthene	0.001	1.47	ng/m ³	V0
Fluorene	0.001	2.16	ng/m ³	V0
Phenanthrene	0.001	7.34	ng/m ³	V0
Anthracene	0.001	1.12	ng/m ³	V0
Acridine	0.001	0.008	ng/m ³	V0
Fluoranthene	0.001	1.42	ng/m ³	V0
Pyrene	0.001	0.553	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.284	ng/m ³	V0
Chrysene	0.001	0.380	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.008	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.563	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.562	ng/m ³	V0
Benzo(a)pyrene	0.001	0.082	ng/m ³	V0
3-Methylcholanthrene	0.001	0.006	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.034	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.009	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.018	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.008	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	2
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221206156
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-7.8	°C	
Pressure		699.4	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	32.6	ng/m ³	V0
Acenaphthylene	0.001	5.13	ng/m ³	V0
Acenaphthene	0.001	1.55	ng/m ³	V0
Fluorene	0.001	2.32	ng/m ³	V0
Phenanthrene	0.001	8.01	ng/m ³	V0
Anthracene	0.001	1.20	ng/m ³	V0
Acridine	0.001	0.010	ng/m ³	V0
Fluoranthene	0.001	1.34	ng/m ³	V0
Pyrene	0.001	0.549	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.011	ng/m ³	V0
Benzo(a)anthracene	0.001	0.269	ng/m ³	V0
Chrysene	0.001	0.346	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.010	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.556	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.556	ng/m ³	V0
Benzo(a)pyrene	0.001	0.089	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.037	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.010	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.020	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.009	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PAH	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221206166
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Temperature		-8.4	°C	
Pressure		707.5	mmHg	
Sample Volume		316	m ³	V0
Naphthalene	0.001	20.7	ng/m ³	V0
Acenaphthylene	0.001	2.54	ng/m ³	V0
Acenaphthene	0.001	0.932	ng/m ³	V0
Fluorene	0.001	1.86	ng/m ³	V0
Phenanthrene	0.001	3.70	ng/m ³	V0
Anthracene	0.001	0.543	ng/m ³	V0
Acridine	0.001	0.009	ng/m ³	V0
Fluoranthene	0.001	0.530	ng/m ³	V0
Pyrene	0.001	0.426	ng/m ³	V0
Benzo(c)phenanthrene	0.001	0.010	ng/m ³	V0
Benzo(a)anthracene	0.001	0.490	ng/m ³	V0
Chrysene	0.001	0.413	ng/m ³	V0
7,12-Dimethylbenz(a)anthracene	0.001	0.006	ng/m ³	V0
Benzo(b)fluoranthene	0.001	0.415	ng/m ³	V0
Benzo(k)fluoranthene	0.001	0.415	ng/m ³	V0
Benzo(a)pyrene	0.001	0.064	ng/m ³	V0
3-Methylcholanthrene	0.001	0.008	ng/m ³	V0
Indeno(123-cd)pyrene	0.001	0.026	ng/m ³	V0
Dibenz(a,h)anthracene	0.001	0.015	ng/m ³	V0
Benzo(ghi)perylene	0.001	0.016	ng/m ³	V0
Dibenzo(a,l)pyrene	0.001	0.003	ng/m ³	V0
Dibenzo(a,i)pyrene	0.001	-8888	ng/m ³	V1
Dibenzo(a,h)pyrene	0.001	-8888	ng/m ³	V1



WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

PRECIPITATION DATA RESULTS 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

Precipitation: Wisconsin State Laboratory of Hygiene
Madison, WI



SAMPLE DESCRIPTION	Summary of Precipitation Measurement of ions, pH and conductivity
SAMPLING PERIOD	One week
SAMPLING INTERVAL	One week
UNITS	mg/L (milligram per liter)
OBSERVATION TYPE	Wet Precipitation
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	moveable cover with precipitation sensors
MEDIUM	Polyethylene Collection bucket
ANALYTICALMETHODS	pH by pH meter Conductivity by Conductivity meter Ions by Ion Chromatography (IC) Anions by Ion Chromatography (IC) Cations by Inductively Coupled Plasma (ICP) Ammonium and phosphate by Flow Injection Analysis (FIA)
ANALYTICAL LABORATORY	NADP, Wisconsin State Laboratory of Hygiene
USER NOTE 1	Data are not blank corrected
USER NOTE 2	Values flagged V1 are displayed as -8888
SAMPLING INSTRUMENT TYPE	N-CON Precipitation Collector
QA REFERENCE	https://open.alberta.ca/publications/precipitation-chemistry-data-handling-and-preparation
FLAG DESC	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
V8	Dry Week
V9	Insufficient sample collected for analyzes
V10	Insufficient data to conduct all quality control checks
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220100041**
Start Date: **2022-01-04 12:16** End Date: **2022-01-12 13:20** Duration: **193.1 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		168.1	mL	
Pluvio Total		1.27	mm	
Potential Hydrogen		6.25		V0
Bicarbonate (calc)		9.1	µeq/L	
Conductivity	0.9	7.1	µS/cm	V0
Conductivity (calc)		6.1	µS/cm	
Conductivity Difference		-13.8	%	V0
Sum Anions		38.6	µeq/L	
Sum Cations		57.6	µeq/L	
Total Ions		96.2	µeq/L	
Ion Balance		19.8	%	
Ion Difference		19.1	µeq/L	V0
Calcium Ion	0.0100	0.7706	mg/L	V0
Potassium Ion	0.0060	0.0328	mg/L	V0
Sodium Ion	0.0080	0.0769	mg/L	V0
Ammonium Ion	0.0140	0.0503	mg/L	V0
Nitrate Ion	0.0200	1.188	mg/L	V0
Chloride Ion	0.0200	0.1498	mg/L	V0
Sulphate Ion	0.0200	0.2930	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-01-04 12:35**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-01-12 11:20**

Set Index: **1**
WBEA ID: **220100071**
Duration: **190.8 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		252.3	mL	
Pluvio Total		4.67	mm	
Potential Hydrogen		5.51		V0
Bicarbonate (calc)		1.7	µeq/L	
Conductivity	0.9	3.9	µS/cm	V0
Conductivity (calc)		3.5	µS/cm	
Conductivity Difference		-10.5	%	V0
Sum Anions		18.5	µeq/L	
Sum Cations		22.0	µeq/L	
Total Ions		40.5	µeq/L	
Ion Balance		8.6	%	
Ion Difference		3.5	µeq/L	V0
Calcium Ion	0.0100	0.2307	mg/L	V0
Potassium Ion	0.0060	0.0185	mg/L	V0
Sodium Ion	0.0080	0.0574	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.6318	mg/L	V0
Chloride Ion	0.0200	0.0963	mg/L	V0
Sulphate Ion	0.0200	0.1863	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-01-04 14:15**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-01-12 12:25**

Set Index: **1**
WBEA ID: **220100056**
Duration: **190.2 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		354.7	mL	
Pluvio Total		4.85	mm	
Potential Hydrogen		4.81		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	8	µS/cm	V0
Conductivity (calc)		7.2	µS/cm	
Conductivity Difference		-10.3	%	V0
Sum Anions		20.5	µeq/L	
Sum Cations		19.8	µeq/L	
Total Ions		40.3	µeq/L	
Ion Balance		-1.8	%	
Ion Difference		-0.7	µeq/L	V0
Calcium Ion	0.0100	0.0275	mg/L	V0
Potassium Ion	0.0060	0.0079	mg/L	V0
Sodium Ion	0.0080	0.0183	mg/L	V0
Ammonium Ion	0.0140	0.0280	mg/L	V0
Nitrate Ion	0.0200	0.9189	mg/L	V0
Chloride Ion	0.0200	0.0682	mg/L	V0
Sulphate Ion	0.0200	0.1648	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-01-12 11:20**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-01-19 12:40**

Set Index: **1**
WBEA ID: **220100160**
Duration: **169.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		337.9	mL	
Pluvio Total		6.53	mm	
Potential Hydrogen		5.57		V0
Bicarbonate (calc)		1.9	µeq/L	
Conductivity	0.9	3.3	µS/cm	V0
Conductivity (calc)		2.7	µS/cm	
Conductivity Difference		-17.2	%	V0
Sum Anions		14.5	µeq/L	
Sum Cations		15.5	µeq/L	
Total Ions		30.0	µeq/L	
Ion Balance		3.3	%	
Ion Difference		1.0	µeq/L	V0
Calcium Ion	0.0100	0.1452	mg/L	V0
Potassium Ion	0.0060	0.0136	mg/L	V0
Sodium Ion	0.0080	0.0414	mg/L	V0
Ammonium Ion	0.0140	0.0265	mg/L	V0
Nitrate Ion	0.0200	0.3817	mg/L	V0
Chloride Ion	0.0200	0.0666	mg/L	V0
Sulphate Ion	0.0200	0.2195	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-01-12 12:25**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-01-18 13:06**

Set Index: **1**
WBEA ID: **220100133**
Duration: **144.7 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		631.2	mL	
Pluvio Total		8.75	mm	
Potential Hydrogen		4.88		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	6.4	µS/cm	V0
Conductivity (calc)		6.1	µS/cm	
Conductivity Difference		-5.1	%	V0
Sum Anions		16.6	µeq/L	
Sum Cations		17.2	µeq/L	
Total Ions		33.8	µeq/L	
Ion Balance		1.7	%	
Ion Difference		0.6	µeq/L	V0
Calcium Ion	0.0100	0.0286	mg/L	V0
Potassium Ion	0.0060	0.0091	mg/L	V0
Sodium Ion	0.0080	0.0140	mg/L	V0
Ammonium Ion	0.0140	0.0265	mg/L	V0
Nitrate Ion	0.0200	0.7469	mg/L	V0
Chloride Ion	0.0200	0.0256	mg/L	V0
Sulphate Ion	0.0200	0.1628	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220100141**
Start Date: **2022-01-12 13:22** End Date: **2022-01-19 15:30** Duration: **170.1 hr**

Notes

Strong winds of 30G50 km/h resulted in poor collection by NCON bucket on Monday January 17th.

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		345.2	mL	
Pluvio Total		2.01	mm	
Potential Hydrogen		6.29		V0
Bicarbonate (calc)		9.9	µeq/L	
Conductivity	0.9	5.3	µS/cm	V0
Conductivity (calc)		4.4	µS/cm	
Conductivity Difference		-17.6	%	V0
Sum Anions		26.9	µeq/L	
Sum Cations		43.1	µeq/L	
Total Ions		70.0	µeq/L	
Ion Balance		23.1	%	
Ion Difference		16.1	µeq/L	V0
Calcium Ion	0.0100	0.5840	mg/L	V0
Potassium Ion	0.0060	0.0210	mg/L	V0
Sodium Ion	0.0080	0.0526	mg/L	V0
Ammonium Ion	0.0140	0.0287	mg/L	V0
Nitrate Ion	0.0200	0.6384	mg/L	V0
Chloride Ion	0.0200	0.0565	mg/L	V0
Sulphate Ion	0.0200	0.2432	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220100202
Start Date:	2022-01-18 13:06	End Date:	2022-01-25 10:30	Duration:	165.4 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		589.3	mL	
Pluvio Total		7.39	mm	
Potential Hydrogen		4.95		V0
Bicarbonate (calc)		0.5	µeq/L	
Conductivity	0.9	5.5	µS/cm	V0
Conductivity (calc)		5.3	µS/cm	
Conductivity Difference		-4.5	%	V0
Sum Anions		14.3	µeq/L	
Sum Cations		15.9	µeq/L	
Total Ions		30.2	µeq/L	
Ion Balance		5.2	%	
Ion Difference		1.6	µeq/L	V0
Calcium Ion	0.0100	0.0396	mg/L	V0
Potassium Ion	0.0060	0.0172	mg/L	V0
Sodium Ion	0.0080	0.0317	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.4926	mg/L	V0
Chloride Ion	0.0200	0.0528	mg/L	V0
Sulphate Ion	0.0200	0.2122	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP	Samp Use: Exposure	Set Index: 1
Location: Wapasu	Loc ID: WAPS	WBEA ID: 220100208
Start Date: 2022-01-19 12:40	End Date: 2022-01-25 14:30	Duration: 145.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		304	mL	
Pluvio Total		5.94	mm	
Potential Hydrogen		5.3		V0
Bicarbonate (calc)		1.0	µeq/L	
Conductivity	0.9	3.2	µS/cm	V0
Conductivity (calc)		3.1	µS/cm	
Conductivity Difference		-2.6	%	V0
Sum Anions		11.8	µeq/L	
Sum Cations		13.8	µeq/L	
Total Ions		25.6	µeq/L	
Ion Balance		7.9	%	
Ion Difference		2.0	µeq/L	V0
Calcium Ion	0.0100	0.1140	mg/L	V0
Potassium Ion	0.0060	0.0063	mg/L	V0
Sodium Ion	0.0080	0.0145	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.4015	mg/L	V0
Chloride Ion	0.0200	0.0252	mg/L	V0
Sulphate Ion	0.0200	0.1699	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220100216
Start Date: 2022-01-19 15:30 End Date: 2022-01-25 16:00 Duration: 144.5 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		427	mL	
Pluvio Total		2.85	mm	
Potential Hydrogen		5.76		V0
Bicarbonate (calc)		2.9	µeq/L	
Conductivity	0.9	3.7	µS/cm	V0
Conductivity (calc)		3.4	µS/cm	
Conductivity Difference		-9.1	%	V0
Sum Anions		19.9	µeq/L	
Sum Cations		24.0	µeq/L	
Total Ions		43.9	µeq/L	
Ion Balance		9.4	%	
Ion Difference		4.1	µeq/L	V0
Calcium Ion	0.0100	0.2955	mg/L	V0
Potassium Ion	0.0060	0.0062	mg/L	V0
Sodium Ion	0.0080	0.0174	mg/L	V0
Ammonium Ion	0.0140	0.0632	mg/L	V0
Nitrate Ion	0.0200	0.5505	mg/L	V0
Chloride Ion	0.0200	0.0288	mg/L	V0
Sulphate Ion	0.0200	0.3473	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-01-25 10:31**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-02-01 11:30**

Set Index: **1**
WBEA ID: **220100267**
Duration: **169.0 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		567.4	mL	
Pluvio Total		8.51	mm	
Potential Hydrogen		5.06		V0
Bicarbonate (calc)		0.6	µeq/L	
Conductivity	0.9	4.9	µS/cm	V0
Conductivity (calc)		4.5	µS/cm	
Conductivity Difference		-8.8	%	V0
Sum Anions		13.9	µeq/L	
Sum Cations		15.5	µeq/L	
Total Ions		29.4	µeq/L	
Ion Balance		5.4	%	
Ion Difference		1.6	µeq/L	V0
Calcium Ion	0.0100	0.0795	mg/L	V0
Potassium Ion	0.0060	0.0342	mg/L	V0
Sodium Ion	0.0080	0.0124	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.5826	mg/L	V0
Chloride Ion	0.0200	0.0252	mg/L	V0
Sulphate Ion	0.0200	0.1520	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-01-25 14:30**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-02-02 11:55**

Set Index: **1**
WBEA ID: **220100286**
Duration: **189.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		696.3	mL	
Pluvio Total		24.50	mm	
Potential Hydrogen		5.74		V0
Bicarbonate (calc)		2.8	µeq/L	
Conductivity	0.9	3.1	µS/cm	V0
Conductivity (calc)		2.8	µS/cm	
Conductivity Difference		-9.2	%	V0
Sum Anions		16.4	µeq/L	
Sum Cations		19.8	µeq/L	
Total Ions		36.1	µeq/L	
Ion Balance		9.4	%	
Ion Difference		3.4	µeq/L	V0
Calcium Ion	0.0100	0.2415	mg/L	V0
Potassium Ion	0.0060	0.0109	mg/L	V0
Sodium Ion	0.0080	0.0244	mg/L	V0
Ammonium Ion	0.0140	0.0155	mg/L	V0
Nitrate Ion	0.0200	0.5380	mg/L	V0
Chloride Ion	0.0200	0.0488	mg/L	V0
Sulphate Ion	0.0200	0.1676	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220100287	
Start Date:	2022-01-25 16:00	End Date:	2022-02-02 16:20	Duration:	192.3 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		267.9	mL	
Pluvio Total		4.18	mm	
Potential Hydrogen		6.45		V0
Bicarbonate (calc)		14.4	µeq/L	
Conductivity	0.9	7	µS/cm	V0
Conductivity (calc)		6.0	µS/cm	
Conductivity Difference		-14.7	%	V0
Sum Anions		38.8	µeq/L	
Sum Cations		58.5	µeq/L	
Total Ions		97.3	µeq/L	
Ion Balance		20.2	%	
Ion Difference		19.6	µeq/L	V0
Calcium Ion	0.0100	0.8131	mg/L	V0
Potassium Ion	0.0060	0.0345	mg/L	V0
Sodium Ion	0.0080	0.0548	mg/L	V0
Ammonium Ion	0.0140	0.0324	mg/L	V0
Nitrate Ion	0.0200	0.9471	mg/L	V0
Chloride Ion	0.0200	0.0709	mg/L	V0
Sulphate Ion	0.0200	0.3395	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220200386
Start Date:	2022-02-01 11:30	End Date:	2022-02-07 11:56	Duration:	144.4 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		321	mL	
Pluvio Total		4.50	mm	
Potential Hydrogen		4.96		V0
Bicarbonate (calc)		0.5	µeq/L	
Conductivity	0.9	5.7	µS/cm	V0
Conductivity (calc)		5.3	µS/cm	
Conductivity Difference		-7.6	%	V0
Sum Anions		15.4	µeq/L	
Sum Cations		16.3	µeq/L	
Total Ions		31.7	µeq/L	
Ion Balance		2.8	%	
Ion Difference		0.9	µeq/L	V0
Calcium Ion	0.0100	0.0515	mg/L	V0
Potassium Ion	0.0060	0.0239	mg/L	V0
Sodium Ion	0.0080	0.0320	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.6389	mg/L	V0
Chloride Ion	0.0200	0.0582	mg/L	V0
Sulphate Ion	0.0200	0.1401	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-02-02 11:55**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-02-08 15:25**

Set Index: **1**
WBEA ID: **220200424**
Duration: **147.5 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		370.2	mL	
Pluvio Total		6.48	mm	
Potential Hydrogen		5.25		V0
Bicarbonate (calc)		0.9	µeq/L	
Conductivity	0.9	4.7	µS/cm	V0
Conductivity (calc)		4.4	µS/cm	
Conductivity Difference		-5.9	%	V0
Sum Anions		19.6	µeq/L	
Sum Cations		22.4	µeq/L	
Total Ions		42.0	µeq/L	
Ion Balance		6.7	%	
Ion Difference		2.8	µeq/L	V0
Calcium Ion	0.0100	0.2402	mg/L	V0
Potassium Ion	0.0060	0.0101	mg/L	V0
Sodium Ion	0.0080	0.0340	mg/L	V0
Ammonium Ion	0.0140	0.0148	mg/L	V0
Nitrate Ion	0.0200	0.3823	mg/L	V0
Chloride Ion	0.0200	0.0707	mg/L	V0
Sulphate Ion	0.0200	0.5061	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220200443**
Start Date: **2022-02-02 16:20** End Date: **2022-02-09 16:35** Duration: **168.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		369.8	mL	
Pluvio Total		6.08	mm	
Potential Hydrogen		6.55		V0
Bicarbonate (calc)		18.1	µeq/L	
Conductivity	0.9	7	µS/cm	V0
Conductivity (calc)		6.1	µS/cm	
Conductivity Difference		-12.3	%	V0
Sum Anions		38.9	µeq/L	
Sum Cations		63.3	µeq/L	
Total Ions		102.2	µeq/L	
Ion Balance		23.9	%	V4
Ion Difference		24.4	µeq/L	
Calcium Ion	0.0100	0.9489	mg/L	V0
Potassium Ion	0.0060	0.0292	mg/L	V0
Sodium Ion	0.0080	0.0639	mg/L	V0
Ammonium Ion	0.0140	0.0324	mg/L	V0
Nitrate Ion	0.0200	0.7443	mg/L	V0
Chloride Ion	0.0200	0.1060	mg/L	V0
Sulphate Ion	0.0200	0.2748	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-02-07 11:56**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-02-15 11:43**

Set Index: **1**
WBEA ID: **220200580**
Duration: **191.8 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1004.4	mL	
Pluvio Total		16.25	mm	
Potential Hydrogen		5.22		V0
Bicarbonate (calc)		0.8	µeq/L	
Conductivity	0.9	3.4	µS/cm	V0
Conductivity (calc)		3.1	µS/cm	
Conductivity Difference		-9.4	%	V0
Sum Anions		9.3	µeq/L	
Sum Cations		11.0	µeq/L	
Total Ions		20.3	µeq/L	
Ion Balance		8.3	%	
Ion Difference		1.7	µeq/L	V0
Calcium Ion	0.0100	0.0441	mg/L	V0
Potassium Ion	0.0060	0.0160	mg/L	V0
Sodium Ion	0.0080	0.0122	mg/L	V0
Ammonium Ion	0.0140	0.0237	mg/L	V0
Nitrate Ion	0.0200	0.3327	mg/L	V0
Chloride Ion	0.0200	0.0281	mg/L	V0
Sulphate Ion	0.0200	0.1078	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220200494
Start Date:	2022-02-08 15:25	End Date:	2022-02-15 09:50	Duration:	162.4 hr

Notes

Strong winds of 20G40 km/h resulted in poor snow collection by NCON bucket on Tuesday February 15th 2022.

Parameter	Data			
	MDL	Value	Unit	Flag
Precipitation Volume		171.9	mL	
Pluvio Total		6.32	mm	
Potential Hydrogen		6.48		V0
Bicarbonate (calc)		15.4	µeq/L	
Conductivity	0.9	8.2	µS/cm	V0
Conductivity (calc)		7.2	µS/cm	
Conductivity Difference		-12.7	%	V0
Sum Anions		45.7	µeq/L	
Sum Cations		69.8	µeq/L	
Total Ions		115.5	µeq/L	
Ion Balance		20.9	%	V4
Ion Difference		24.1	µeq/L	
Calcium Ion	0.0100	0.9616	mg/L	V0
Potassium Ion	0.0060	0.0257	mg/L	V0
Sodium Ion	0.0080	0.0553	mg/L	V0
Ammonium Ion	0.0140	0.0858	mg/L	V0
Nitrate Ion	0.0200	1.085	mg/L	V0
Chloride Ion	0.0200	0.0819	mg/L	V0
Sulphate Ion	0.0200	0.4994	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220200508
Start Date: 2022-02-09 16:35 End Date: 2022-02-15 12:35 Duration: 140.0 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		401.2	mL	
Pluvio Total		6.66	mm	
Potential Hydrogen		6.82		V0
Bicarbonate (calc)		33.7	µeq/L	
Conductivity	0.9	10.6	µS/cm	V0
Conductivity (calc)		8.6	µS/cm	
Conductivity Difference		-18.5	%	V0
Sum Anions		54.3	µeq/L	
Sum Cations		95.1	µeq/L	
Total Ions		149.3	µeq/L	
Ion Balance		27.3	%	V4
Ion Difference		40.8	µeq/L	
Calcium Ion	0.0100	1.455	mg/L	V0
Potassium Ion	0.0060	0.0322	mg/L	V0
Sodium Ion	0.0080	0.0700	mg/L	V0
Ammonium Ion	0.0140	0.0311	mg/L	V0
Nitrate Ion	0.0200	0.7128	mg/L	V0
Chloride Ion	0.0200	0.0818	mg/L	V0
Sulphate Ion	0.0200	0.3221	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-02-15 09:50**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-02-23 11:45**

Set Index: **1**
WBEA ID: **220200574**
Duration: **193.9 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		169	mL	
Pluvio Total		4.49	mm	
Potential Hydrogen		6.12		V0
Bicarbonate (calc)		6.7	µeq/L	
Conductivity	0.9	3.8	µS/cm	V0
Conductivity (calc)		3.5	µS/cm	
Conductivity Difference		-8.3	%	V0
Sum Anions		24.1	µeq/L	
Sum Cations		28.7	µeq/L	
Total Ions		52.8	µeq/L	
Ion Balance		8.7	%	
Ion Difference		4.6	µeq/L	V0
Calcium Ion	0.0100	0.4089	mg/L	V0
Potassium Ion	0.0060	0.0071	mg/L	V0
Sodium Ion	0.0080	0.0264	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.5953	mg/L	V0
Chloride Ion	0.0200	0.0491	mg/L	V0
Sulphate Ion	0.0200	0.3019	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220200581
Start Date:	2022-02-15 11:43	End Date:	2022-02-23 10:33	Duration:	190.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		165.4	mL	
Pluvio Total		5.22	mm	
Potential Hydrogen		4.95		V0
Bicarbonate (calc)		0.5	µeq/L	
Conductivity	0.9	5.9	µS/cm	V0
Conductivity (calc)		5.8	µS/cm	
Conductivity Difference		-1.6	%	V0
Sum Anions		18.6	µeq/L	
Sum Cations		20.0	µeq/L	
Total Ions		38.6	µeq/L	
Ion Balance		3.6	%	
Ion Difference		1.4	µeq/L	V0
Calcium Ion	0.0100	0.0910	mg/L	V0
Potassium Ion	0.0060	0.0278	mg/L	V0
Sodium Ion	0.0080	0.0291	mg/L	V0
Ammonium Ion	0.0140	0.0187	mg/L	V0
Nitrate Ion	0.0200	0.7928	mg/L	V0
Chloride Ion	0.0200	0.0669	mg/L	V0
Sulphate Ion	0.0200	0.1665	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220200579**
Start Date: **2022-02-15 12:35** End Date: **2022-02-23 09:04** Duration: **188.5 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		334.6	mL	
Pluvio Total		5.01	mm	
Potential Hydrogen		6.29		V0
Bicarbonate (calc)		9.9	µeq/L	
Conductivity	0.9	6.4	µS/cm	V0
Conductivity (calc)		5.7	µS/cm	
Conductivity Difference		-10.5	%	V0
Sum Anions		37.4	µeq/L	
Sum Cations		53.2	µeq/L	
Total Ions		90.6	µeq/L	
Ion Balance		17.5	%	
Ion Difference		15.8	µeq/L	V0
Calcium Ion	0.0100	0.8254	mg/L	V0
Potassium Ion	0.0060	0.0276	mg/L	V0
Sodium Ion	0.0080	0.0617	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	1.070	mg/L	V0
Chloride Ion	0.0200	0.0821	mg/L	V0
Sulphate Ion	0.0200	0.3767	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220200636
Start Date:	2022-02-23 09:05	End Date:	2022-03-01 09:30	Duration:	144.4 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		139.8	mL	
Pluvio Total		2.14	mm	
Potential Hydrogen		7.07		V0
Bicarbonate (calc)		59.9	µeq/L	
Conductivity	0.9	32.3	µS/cm	V0
Conductivity (calc)		24.1	µS/cm	
Conductivity Difference		-25.3	%	V4
Sum Anions		111.3	µeq/L	
Sum Cations		303.2	µeq/L	
Total Ions		414.5	µeq/L	
Ion Balance		46.3	%	V4
Ion Difference		191.9	µeq/L	
Calcium Ion	0.0100	4.531	mg/L	V0
Potassium Ion	0.0060	0.1205	mg/L	V0
Sodium Ion	0.0080	0.2328	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	1.630	mg/L	V0
Chloride Ion	0.0200	0.1525	mg/L	V0
Sulphate Ion	0.0200	0.9988	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Stony Mountain** Loc ID: **STMT** WBEA ID: **220200659**
Start Date: **2022-02-23 10:33** End Date: **2022-03-02 13:10** Duration: **170.6 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		583.2	mL	
Pluvio Total		8.10	mm	
Potential Hydrogen		5.03		V0
Bicarbonate (calc)		0.5	µeq/L	
Conductivity	0.9	5.4	µS/cm	V0
Conductivity (calc)		5.0	µS/cm	
Conductivity Difference		-7.9	%	V0
Sum Anions		16.9	µeq/L	
Sum Cations		17.3	µeq/L	
Total Ions		34.2	µeq/L	
Ion Balance		1.3	%	
Ion Difference		0.4	µeq/L	V0
Calcium Ion	0.0100	0.0947	mg/L	V0
Potassium Ion	0.0060	0.0128	mg/L	V0
Sodium Ion	0.0080	0.0303	mg/L	V0
Ammonium Ion	0.0140	0.0184	mg/L	V0
Nitrate Ion	0.0200	0.6856	mg/L	V0
Chloride Ion	0.0200	0.0600	mg/L	V0
Sulphate Ion	0.0200	0.1691	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220200680
Start Date:	2022-02-23 11:45	End Date:	2022-03-01 14:05	Duration:	146.3 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		99.2	mL	
Pluvio Total		1.41	mm	
Potential Hydrogen		5.8		V0
Bicarbonate (calc)		3.2	µeq/L	
Conductivity	0.9	4.7	µS/cm	V0
Conductivity (calc)		4.0	µS/cm	
Conductivity Difference		-15.0	%	V0
Sum Anions		25.0	µeq/L	
Sum Cations		30.5	µeq/L	
Total Ions		55.5	µeq/L	
Ion Balance		10.1	%	
Ion Difference		5.6	µeq/L	V0
Calcium Ion	0.0100	0.4350	mg/L	V0
Potassium Ion	0.0060	0.0116	mg/L	V0
Sodium Ion	0.0080	0.0301	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.8829	mg/L	V0
Chloride Ion	0.0200	0.0498	mg/L	V0
Sulphate Ion	0.0200	0.2920	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220300778
Start Date:	2022-03-01 09:31	End Date:	2022-03-07 14:00	Duration:	148.5 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		0.1	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-03-01 14:05**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-03-07 10:25**

Set Index: **1**
WBEA ID: **220300783**
Duration: **140.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		170.9	mL	
Pluvio Total		3.02	mm	
Potential Hydrogen		6.77		V0
Bicarbonate (calc)		30.0	µeq/L	
Conductivity	0.9	9.4	µS/cm	V0
Conductivity (calc)		7.8	µS/cm	
Conductivity Difference		-16.8	%	V0
Sum Anions		51.5	µeq/L	
Sum Cations		82.3	µeq/L	
Total Ions		133.8	µeq/L	
Ion Balance		23.1	%	V4
Ion Difference		30.9	µeq/L	
Calcium Ion	0.0100	1.324	mg/L	V0
Potassium Ion	0.0060	0.0246	mg/L	V0
Sodium Ion	0.0080	0.0396	mg/L	V0
Ammonium Ion	0.0140	0.0279	mg/L	V0
Nitrate Ion	0.0200	0.7717	mg/L	V0
Chloride Ion	0.0200	0.0590	mg/L	V0
Sulphate Ion	0.0200	0.3526	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220300794
Start Date:	2022-03-02 13:10	End Date:	2022-03-08 11:22	Duration:	142.2 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		202.3	mL	
Pluvio Total		3.57	mm	
Potential Hydrogen		5.16		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	4.7	µS/cm	V0
Conductivity (calc)		4.3	µS/cm	
Conductivity Difference		-8.9	%	V0
Sum Anions		15.9	µeq/L	
Sum Cations		18.4	µeq/L	
Total Ions		34.3	µeq/L	
Ion Balance		7.2	%	
Ion Difference		2.5	µeq/L	V0
Calcium Ion	0.0100	0.1221	mg/L	V0
Potassium Ion	0.0060	0.0299	mg/L	V0
Sodium Ion	0.0080	0.0433	mg/L	V0
Ammonium Ion	0.0140	0.0237	mg/L	V0
Nitrate Ion	0.0200	0.4551	mg/L	V0
Chloride Ion	0.0200	0.0676	mg/L	V0
Sulphate Ion	0.0200	0.2843	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-03-07 10:25**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-03-15 12:20**

Set Index: **1**
WBEA ID: **220300836**
Duration: **193.9 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		276.5	mL	
Pluvio Total		8.25	mm	
Potential Hydrogen		7.26		V0
Bicarbonate (calc)		92.8	µeq/L	
Conductivity	0.9	20.6	µS/cm	V0
Conductivity (calc)		17.0	µS/cm	
Conductivity Difference		-17.3	%	V0
Sum Anions		117.3	µeq/L	
Sum Cations		190.0	µeq/L	
Total Ions		307.3	µeq/L	
Ion Balance		23.6	%	V4
Ion Difference		72.6	µeq/L	
Calcium Ion	0.0100	2.983	mg/L	V0
Potassium Ion	0.0060	0.0273	mg/L	V0
Sodium Ion	0.0080	0.0423	mg/L	V0
Ammonium Ion	0.0140	0.0230	mg/L	V0
Nitrate Ion	0.0200	0.9529	mg/L	V0
Chloride Ion	0.0200	0.0548	mg/L	V0
Sulphate Ion	0.0200	0.3698	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220300846
Start Date: 2022-03-07 14:00 End Date: 2022-03-15 11:30 Duration: 189.5 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		464.5	mL	
Pluvio Total		8.21	mm	
Potential Hydrogen		6.95		V0
Bicarbonate (calc)		45.5	µeq/L	
Conductivity	0.9	14.8	µS/cm	V0
Conductivity (calc)		12.1	µS/cm	
Conductivity Difference		-18.0	%	V0
Sum Anions		74.6	µeq/L	
Sum Cations		134.5	µeq/L	
Total Ions		209.2	µeq/L	
Ion Balance		28.6	%	V4
Ion Difference		59.9	µeq/L	
Calcium Ion	0.0100	2.162	mg/L	V0
Potassium Ion	0.0060	0.0418	mg/L	V0
Sodium Ion	0.0080	0.0963	mg/L	V0
Ammonium Ion	0.0140	0.0558	mg/L	V0
Nitrate Ion	0.0200	1.029	mg/L	V0
Chloride Ion	0.0200	0.0984	mg/L	V0
Sulphate Ion	0.0200	0.4703	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220300864
Start Date:	2022-03-08 11:22	End Date:	2022-03-14 14:10	Duration:	146.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		234.8	mL	
Pluvio Total		3.47	mm	
Potential Hydrogen		4.82		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	8.6	µS/cm	V0
Conductivity (calc)		8.2	µS/cm	
Conductivity Difference		-4.7	%	V0
Sum Anions		28.8	µeq/L	
Sum Cations		28.9	µeq/L	
Total Ions		57.7	µeq/L	
Ion Balance		0.3	%	
Ion Difference		0.2	µeq/L	V0
Calcium Ion	0.0100	0.1547	mg/L	V0
Potassium Ion	0.0060	0.0159	mg/L	V0
Sodium Ion	0.0080	0.0589	mg/L	V0
Ammonium Ion	0.0140	0.0247	mg/L	V0
Nitrate Ion	0.0200	1.286	mg/L	V0
Chloride Ion	0.0200	0.1200	mg/L	V0
Sulphate Ion	0.0200	0.2054	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-03-14 14:10**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-03-22 10:15**

Set Index: **1**
WBEA ID: **220300914**
Duration: **188.1 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		233.4	mL	
Pluvio Total		3.36	mm	
Potential Hydrogen		5.43		V0
Bicarbonate (calc)		1.4	µeq/L	
Conductivity	0.9	4.3	µS/cm	V0
Conductivity (calc)		3.8	µS/cm	
Conductivity Difference		-10.8	%	V0
Sum Anions		15.7	µeq/L	
Sum Cations		24.8	µeq/L	
Total Ions		40.5	µeq/L	
Ion Balance		22.6	%	
Ion Difference		9.2	µeq/L	V0
Calcium Ion	0.0100	0.1348	mg/L	V0
Potassium Ion	0.0060	0.0085	mg/L	V0
Sodium Ion	0.0080	0.0247	mg/L	V0
Ammonium Ion	0.0140	0.2114	mg/L	V0
Nitrate Ion	0.0200	0.4868	mg/L	V0
Chloride Ion	0.0200	0.0485	mg/L	V0
Sulphate Ion	0.0200	0.2429	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220300928**
Start Date: **2022-03-15 11:30** End Date: **2022-03-22 12:55** Duration: **169.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		298.6	mL	
Pluvio Total		4.23	mm	
Potential Hydrogen		4.63		V0
Bicarbonate (calc)		0.2	µeq/L	
Conductivity	0.9	13	µS/cm	V0
Conductivity (calc)		12.9	µS/cm	
Conductivity Difference		-0.6	%	V0
Sum Anions		43.4	µeq/L	
Sum Cations		46.8	µeq/L	
Total Ions		90.2	µeq/L	
Ion Balance		3.8	%	
Ion Difference		3.4	µeq/L	V0
Calcium Ion	0.0100	0.2049	mg/L	V0
Potassium Ion	0.0060	0.0220	mg/L	V0
Sodium Ion	0.0080	0.0625	mg/L	V0
Ammonium Ion	0.0140	0.1419	mg/L	V0
Nitrate Ion	0.0200	1.452	mg/L	V0
Chloride Ion	0.0200	0.1076	mg/L	V0
Sulphate Ion	0.0200	0.7985	mg/L	V0
Phosphate Ion	0.0100	0.0108	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-03-15 12:20**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-03-22 10:32**

Set Index: **1**
WBEA ID: **220300930**
Duration: **166.2 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		269	mL	
Pluvio Total		4.03	mm	
Potential Hydrogen		4.54		V0
Bicarbonate (calc)		0.2	µeq/L	
Conductivity	0.9	15.5	µS/cm	V0
Conductivity (calc)		15.5	µS/cm	
Conductivity Difference		0.3	%	V0
Sum Anions		49.4	µeq/L	
Sum Cations		54.2	µeq/L	
Total Ions		103.6	µeq/L	
Ion Balance		4.6	%	V0
Ion Difference		4.7	µeq/L	
Calcium Ion	0.0100	0.1370	mg/L	V0
Potassium Ion	0.0060	0.0149	mg/L	V0
Sodium Ion	0.0080	0.0448	mg/L	V0
Ammonium Ion	0.0140	0.2682	mg/L	V0
Nitrate Ion	0.0200	1.216	mg/L	V0
Chloride Ion	0.0200	0.0712	mg/L	V0
Sulphate Ion	0.0200	1.322	mg/L	V0
Phosphate Ion	0.0100	0.0104	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220301005
Start Date:	2022-03-22 10:15	End Date:	2022-03-29 11:10	Duration:	168.9 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		119.1	mL	
Pluvio Total		1.75	mm	
Potential Hydrogen		5.89		V0
Bicarbonate (calc)		4.0	µeq/L	
Conductivity	0.9	5.6	µS/cm	V0
Conductivity (calc)		4.8	µS/cm	
Conductivity Difference		-13.8	%	V0
Sum Anions		30.3	µeq/L	
Sum Cations		36.4	µeq/L	
Total Ions		66.7	µeq/L	
Ion Balance		9.2	%	
Ion Difference		6.1	µeq/L	V0
Calcium Ion	0.0100	0.3275	mg/L	V0
Potassium Ion	0.0060	0.0326	mg/L	V0
Sodium Ion	0.0080	0.0546	mg/L	V0
Ammonium Ion	0.0140	0.2091	mg/L	V0
Nitrate Ion	0.0200	0.8255	mg/L	V0
Chloride Ion	0.0200	0.0785	mg/L	V0
Sulphate Ion	0.0200	0.5187	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-03-22 10:34**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-03-29 10:50**

Set Index: **1**
WBEA ID: **220301007**
Duration: **168.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		201.2	mL	
Pluvio Total		3.35	mm	
Potential Hydrogen		6.44		V0
Bicarbonate (calc)		14.0	µeq/L	
Conductivity	0.9	7.3	µS/cm	V0
Conductivity (calc)		6.5	µS/cm	
Conductivity Difference		-11.4	%	V0
Sum Anions		41.8	µeq/L	
Sum Cations		60.9	µeq/L	
Total Ions		102.8	µeq/L	
Ion Balance		18.6	%	V0
Ion Difference		19.1	µeq/L	
Calcium Ion	0.0100	0.9122	mg/L	V0
Potassium Ion	0.0060	0.0259	mg/L	V0
Sodium Ion	0.0080	0.0599	mg/L	V0
Ammonium Ion	0.0140	0.0535	mg/L	V0
Nitrate Ion	0.0200	0.5270	mg/L	V0
Chloride Ion	0.0200	0.0996	mg/L	V0
Sulphate Ion	0.0200	0.7914	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220301028	
Start Date:	2022-03-22 12:55	End Date:	2022-03-29 12:15	Duration:	167.3 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		190.8	mL	
Pluvio Total		2.84	mm	
Potential Hydrogen		6.09		V0
Bicarbonate (calc)		6.3	µeq/L	
Conductivity	0.9	5.3	µS/cm	V0
Conductivity (calc)		4.7	µS/cm	
Conductivity Difference		-10.9	%	V0
Sum Anions		28.9	µeq/L	
Sum Cations		41.9	µeq/L	
Total Ions		70.7	µeq/L	
Ion Balance		18.4	%	
Ion Difference		13.0	µeq/L	V0
Calcium Ion	0.0100	0.5570	mg/L	V0
Potassium Ion	0.0060	0.0266	mg/L	V0
Sodium Ion	0.0080	0.0630	mg/L	V0
Ammonium Ion	0.0140	0.0725	mg/L	V0
Nitrate Ion	0.0200	0.5978	mg/L	V0
Chloride Ion	0.0200	0.0860	mg/L	V0
Sulphate Ion	0.0200	0.5046	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220301141
Start Date:	2022-03-29 10:50	End Date:	2022-04-04 12:35	Duration:	145.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		208.6	mL	
Pluvio Total		4.57	mm	
Potential Hydrogen		6.91		V0
Bicarbonate (calc)		41.5	µeq/L	
Conductivity	0.9	19.7	µS/cm	V0
Conductivity (calc)		17.6	µS/cm	
Conductivity Difference		-10.6	%	V0
Sum Anions		112.6	µeq/L	
Sum Cations		174.8	µeq/L	
Total Ions		287.4	µeq/L	
Ion Balance		21.6	%	V4
Ion Difference		62.2	µeq/L	
Calcium Ion	0.0100	2.702	mg/L	V0
Potassium Ion	0.0060	0.0298	mg/L	V0
Sodium Ion	0.0080	0.0853	mg/L	V0
Ammonium Ion	0.0140	0.1491	mg/L	V0
Nitrate Ion	0.0200	2.000	mg/L	V0
Chloride Ion	0.0200	0.0968	mg/L	V0
Sulphate Ion	0.0200	1.735	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-03-29 11:10**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-04-04 10:10**

Set Index: **1**
WBEA ID: **220301144**
Duration: **143.0 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		36.8	mL	
Pluvio Total		0.45	mm	
Potential Hydrogen		4.71		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	30.8	µS/cm	V0
Conductivity (calc)		28.7	µS/cm	
Conductivity Difference		-6.9	%	V0
Sum Anions		173.1	µeq/L	
Sum Cations		169.1	µeq/L	
Total Ions		342.1	µeq/L	
Ion Balance		-1.2	%	V0
Ion Difference		-4.0	µeq/L	
Calcium Ion	0.0100	2	mg/L	V0
Potassium Ion	0.0060	0.0499	mg/L	V0
Sodium Ion	0.0080	0.2800	mg/L	V0
Ammonium Ion	0.0140	0.3026	mg/L	V0
Nitrate Ion	0.0200	5.914	mg/L	V0
Chloride Ion	0.0200	0.5464	mg/L	V0
Sulphate Ion	0.0200	2.978	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 220301145
Start Date:	2022-03-29 12:15	Loc ID: BGFM	Duration: 145.8 hr
		End Date: 2022-04-04 14:00	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		249.8	mL	
Pluvio Total		3.78	mm	
Potential Hydrogen		6.92		V0
Bicarbonate (calc)		42.4	µeq/L	
Conductivity	0.9	17.5	µS/cm	V0
Conductivity (calc)		15.1	µS/cm	
Conductivity Difference		-13.7	%	V0
Sum Anions		94.5	µeq/L	
Sum Cations		157.2	µeq/L	
Total Ions		251.7	µeq/L	
Ion Balance		24.9	%	V4
Ion Difference		62.7	µeq/L	
Calcium Ion	0.0100	2.426	mg/L	V0
Potassium Ion	0.0060	0.0415	mg/L	V0
Sodium Ion	0.0080	0.1175	mg/L	V0
Ammonium Ion	0.0140	0.1079	mg/L	V0
Nitrate Ion	0.0200	1.670	mg/L	V0
Chloride Ion	0.0200	0.0999	mg/L	V0
Sulphate Ion	0.0200	1.075	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220401241
Start Date:	2022-04-04 10:10	End Date:	2022-04-12 10:00	Duration:	191.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1555.4	mL	
Pluvio Total		25.46	mm	
Potential Hydrogen		5.9		V0
Bicarbonate (calc)		4.1	µeq/L	
Conductivity	0.9	4.1	µS/cm	V0
Conductivity (calc)		3.6	µS/cm	
Conductivity Difference		-12.0	%	V0
Sum Anions		20.7	µeq/L	
Sum Cations		27.4	µeq/L	
Total Ions		48.1	µeq/L	
Ion Balance		14.0	%	
Ion Difference		6.7	µeq/L	V0
Calcium Ion	0.0100	0.1132	mg/L	V0
Potassium Ion	0.0060	0.0198	mg/L	V0
Sodium Ion	0.0080	0.1074	mg/L	V0
Ammonium Ion	0.0140	0.2464	mg/L	V0
Nitrate Ion	0.0200	0.2754	mg/L	V0
Chloride Ion	0.0200	0.0239	mg/L	V0
Sulphate Ion	0.0200	0.5557	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220401258
Start Date:	2022-04-04 12:35	End Date:	2022-04-12 10:50	Duration:	190.3 hr

Notes

Lid was stuck about 1 inch above bucket upon sample collection.
Strong winds of 30G50 km/h during April 9th 2022 to April 11th 2022 precipitation event resulted in poor collection by NCON sampler.

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		406.4	mL	
Pluvio Total		20.67	mm	
Potential Hydrogen		7.14		V0
Bicarbonate (calc)		70.4	µeq/L	
Conductivity	0.9	20	µS/cm	V0
Conductivity (calc)		16.8	µS/cm	
Conductivity Difference		-16.2	%	V0
Sum Anions		103.7	µeq/L	
Sum Cations		186.6	µeq/L	
Total Ions		290.3	µeq/L	
Ion Balance		28.6	%	V4
Ion Difference		82.9	µeq/L	
Calcium Ion	0.0100	2.777	mg/L	V0
Potassium Ion	0.0060	0.0285	mg/L	V0
Sodium Ion	0.0080	0.0485	mg/L	V0
Ammonium Ion	0.0140	0.2039	mg/L	V0
Nitrate Ion	0.0200	0.6344	mg/L	V0
Chloride Ion	0.0200	0.0311	mg/L	V0
Sulphate Ion	0.0200	1.064	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220401262
Start Date: 2022-04-04 14:00 End Date: 2022-04-12 15:15 Duration: 193.3 hr

Notes

Strong winds of 30G50 km/h during precipitation event of April 9th 2022 to April 11th 2022 resulted in poor collection by NCON sampler.

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		468.5	mL	
Pluvio Total		9.41	mm	
Potential Hydrogen		6.75		V0
Bicarbonate (calc)		28.7	µeq/L	
Conductivity	0.9	12.5	µS/cm	V0
Conductivity (calc)		10.8	µS/cm	
Conductivity Difference		-13.3	%	V0
Sum Anions		69.0	µeq/L	
Sum Cations		106.7	µeq/L	
Total Ions		175.7	µeq/L	
Ion Balance		21.4	%	V4
Ion Difference		37.6	µeq/L	
Calcium Ion	0.0100	1.306	mg/L	V0
Potassium Ion	0.0060	0.0475	mg/L	V0
Sodium Ion	0.0080	0.1383	mg/L	V0
Ammonium Ion	0.0140	0.3073	mg/L	V0
Nitrate Ion	0.0200	1.009	mg/L	V0
Chloride Ion	0.0200	0.0782	mg/L	V0
Sulphate Ion	0.0200	1.050	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220401348
Start Date:	2022-04-12 10:00	End Date:	2022-04-20 11:45	Duration:	193.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		54.7	mL	
Pluvio Total		0.78	mm	
Potential Hydrogen		6.72		V0
Bicarbonate (calc)		26.8	µeq/L	
Conductivity	0.9	12.7	µS/cm	V0
Conductivity (calc)		9.8	µS/cm	
Conductivity Difference		-23.0	%	V0
Sum Anions		62.5	µeq/L	
Sum Cations		100.0	µeq/L	
Total Ions		162.5	µeq/L	
Ion Balance		23.1	%	V4
Ion Difference		37.5	µeq/L	
Calcium Ion	0.0100	1.422	mg/L	V0
Potassium Ion	0.0060	0.0176	mg/L	V0
Sodium Ion	0.0080	0.0413	mg/L	V0
Ammonium Ion	0.0140	0.0923	mg/L	V0
Nitrate Ion	0.0200	1.328	mg/L	V0
Chloride Ion	0.0200	0.0761	mg/L	V0
Sulphate Ion	0.0200	0.5843	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-04-12 10:50**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-04-19 10:55**

Set Index: **1**
WBEA ID: **220401351**
Duration: **168.1 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		77.2	mL	
Pluvio Total		2.10	mm	
Potential Hydrogen		7.16		V0
Bicarbonate (calc)		73.7	µeq/L	
Conductivity	0.9	28.1	µS/cm	V0
Conductivity (calc)		21.6	µS/cm	
Conductivity Difference		-23.0	%	V0
Sum Anions		118.1	µeq/L	
Sum Cations		257.0	µeq/L	
Total Ions		375.1	µeq/L	
Ion Balance		37.0	%	V4
Ion Difference		138.9	µeq/L	
Calcium Ion	0.0100	4.271	mg/L	V0
Potassium Ion	0.0060	0.0258	mg/L	V0
Sodium Ion	0.0080	0.1154	mg/L	V0
Ammonium Ion	0.0140	0.0143	mg/L	V0
Nitrate Ion	0.0200	1.541	mg/L	V0
Chloride Ion	0.0200	0.0944	mg/L	V0
Sulphate Ion	0.0200	0.8079	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401382	
Start Date:	2022-04-12 15:15	End Date:	2022-04-19 12:30	Duration:	165.3 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		54.2	mL	
Pluvio Total		1.10	mm	
Potential Hydrogen		7.48		V0
Bicarbonate (calc)		154.0	µeq/L	
Conductivity	0.9	45.3	µS/cm	V0
Conductivity (calc)		34.3	µS/cm	
Conductivity Difference		-24.3	%	V4
Sum Anions		209.8	µeq/L	
Sum Cations		398.2	µeq/L	
Total Ions		608.1	µeq/L	
Ion Balance		31.0	%	V4
Ion Difference		188.4	µeq/L	
Calcium Ion	0.0100	6.154	mg/L	V0
Potassium Ion	0.0060	0.1424	mg/L	V0
Sodium Ion	0.0080	0.5261	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	1.035	mg/L	V0
Chloride Ion	0.0200	0.1630	mg/L	V0
Sulphate Ion	0.0200	1.655	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220401429
Start Date:	2022-04-19 10:55	End Date:	2022-04-25 12:00	Duration:	145.1 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		0	mL	
Pluvio Total		3.52	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401436
Start Date:	2022-04-19 12:30	End Date:	2022-04-25 15:15	Duration:	146.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Data Flag
Precipitation Volume		0.2	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220401671
Start Date:	2022-04-20 11:45	End Date:	2022-04-26 11:40	Duration:	143.9 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		0	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220401965
Start Date:	2022-04-25 12:10	End Date:	2022-05-02 08:15	Duration:	164.1 hr

Notes

Bucket lid accidentally dropped on ground during sample deployment.

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		20.1	mL	
Pluvio Total		1.15	mm	
Potential Hydrogen	0.01	7.35		V0
Bicarbonate (calc)		114.2	µeq/L	
Conductivity	0.9	41.6	µS/cm	V0
Conductivity (calc)		32.4	µS/cm	
Conductivity Difference		-22.1	%	V4
Sum Anions		167.9	µeq/L	
Sum Cations		392.2	µeq/L	
Total Ions		560.1	µeq/L	
Ion Balance		40.1	%	V4
Ion Difference		224.4	µeq/L	
Calcium Ion	0.0100	6.851	mg/L	V0
Magnesium Ion	0.0040	0.3537	mg/L	V0
Potassium Ion	0.0060	0.0458	mg/L	V0
Sodium Ion	0.0080	0.1912	mg/L	V0
Ammonium Ion	0.0140	0.2119	mg/L	V0
Nitrate Ion	0.0200	1.547	mg/L	V0
Chloride Ion	0.0200	0.1327	mg/L	V0
Sulphate Ion	0.0200	1.192	mg/L	V0
Phosphate Ion	0.0100	0.0186	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220401961
Start Date:	2022-04-25 15:15	End Date:	2022-05-03 15:20	Duration:	192.1 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		16.9	mL	
Pluvio Total		0.18	mm	
Calcium Ion	0.0100	14.45	mg/L	V0
Magnesium Ion	0.0040	1.021	mg/L	V0
Potassium Ion	0.0060	0.4038	mg/L	V0
Sodium Ion	0.0080	1.374	mg/L	V0
Ammonium Ion	0.0140	0.3730	mg/L	V0
Nitrate Ion	0.0200	3.601	mg/L	V0
Chloride Ion	0.0200	0.5139	mg/L	V0
Sulphate Ion	0.0200	4.921	mg/L	V0
Phosphate Ion	0.0100	0.0126	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220401964
Start Date:	2022-04-26 11:40	End Date:	2022-05-04 10:55	Duration:	191.3 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1504.5	mL	
Pluvio Total		25.61	mm	
Potential Hydrogen	0.01	6.14		V0
Bicarbonate (calc)		7.0	µeq/L	
Conductivity	0.9	4.3	µS/cm	V0
Conductivity (calc)		3.9	µS/cm	
Conductivity Difference		-10.3	%	V0
Sum Anions		22.0	µeq/L	
Sum Cations		31.6	µeq/L	
Total Ions		53.6	µeq/L	
Ion Balance		17.9	%	
Ion Difference		9.6	µeq/L	V0
Calcium Ion	0.0100	0.0955	mg/L	V0
Magnesium Ion	0.0040	0.0239	mg/L	V0
Potassium Ion	0.0060	0.0113	mg/L	V0
Sodium Ion	0.0080	0.0132	mg/L	V0
Ammonium Ion	0.0140	0.4196	mg/L	V0
Nitrate Ion	0.0200	0.3538	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.4141	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-05-02 08:15**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-05-09 13:25**

Set Index: **1**
WBEA ID: **220502057**
Duration: **173.2 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1564.3	mL	
Pluvio Total		23.36	mm	
Potential Hydrogen	0.01	5.68		V0
Bicarbonate (calc)		2.4	µeq/L	
Conductivity	0.9	4.9	µS/cm	V0
Conductivity (calc)		4.6	µS/cm	
Conductivity Difference		-6.9	%	V0
Sum Anions		26.8	µeq/L	
Sum Cations		30.7	µeq/L	
Total Ions		57.6	µeq/L	
Ion Balance		6.8	%	
Ion Difference		3.9	µeq/L	V0
Calcium Ion	0.0100	0.2715	mg/L	V0
Magnesium Ion	0.0040	0.0359	mg/L	V0
Potassium Ion	0.0060	0.0100	mg/L	V0
Sodium Ion	0.0080	0.0301	mg/L	V0
Ammonium Ion	0.0140	0.1909	mg/L	V0
Nitrate Ion	0.0200	0.3440	mg/L	V0
Chloride Ion	0.0200	0.0290	mg/L	V0
Sulphate Ion	0.0200	0.8640	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220502100
Start Date: 2022-05-03 15:20 End Date: 2022-05-09 14:45 Duration: 143.4 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1378.9	mL	
Pluvio Total		19.65	mm	
Potential Hydrogen	0.01	6.29		V0
Bicarbonate (calc)		9.9	µeq/L	
Conductivity	0.9	5.9	µS/cm	V0
Conductivity (calc)		5.4	µS/cm	
Conductivity Difference		-9.0	%	V0
Sum Anions		34.5	µeq/L	
Sum Cations		45.7	µeq/L	
Total Ions		80.2	µeq/L	
Ion Balance		13.9	%	
Ion Difference		11.1	µeq/L	V0
Calcium Ion	0.0100	0.4544	mg/L	V0
Magnesium Ion	0.0040	0.0585	mg/L	V0
Potassium Ion	0.0060	0.0210	mg/L	V0
Sodium Ion	0.0080	0.0428	mg/L	V0
Ammonium Ion	0.0140	0.2751	mg/L	V0
Nitrate Ion	0.0200	0.5474	mg/L	V0
Chloride Ion	0.0200	0.0374	mg/L	V0
Sulphate Ion	0.0200	0.7050	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-05-04 10:55**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-05-10 10:40**

Set Index: **1**
WBEA ID: **220502128**
Duration: **143.8 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		705	mL	
Pluvio Total		9.63	mm	
Potential Hydrogen	0.01	6.48		V0
Bicarbonate (calc)		15.4	µeq/L	
Conductivity	0.9	10.4	µS/cm	V0
Conductivity (calc)		9.5	µS/cm	
Conductivity Difference		-8.5	%	V0
Sum Anions		64.4	µeq/L	
Sum Cations		80.5	µeq/L	
Total Ions		144.9	µeq/L	
Ion Balance		11.1	%	V0
Ion Difference		16.1	µeq/L	
Calcium Ion	0.0100	0.3305	mg/L	V0
Magnesium Ion	0.0040	0.0763	mg/L	V0
Potassium Ion	0.0060	0.0705	mg/L	V0
Sodium Ion	0.0080	0.6092	mg/L	V0
Ammonium Ion	0.0140	0.5245	mg/L	V0
Nitrate Ion	0.0200	0.8052	mg/L	V0
Chloride Ion	0.0200	0.0557	mg/L	V0
Sulphate Ion	0.0200	1.650	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220502196
Start Date:	2022-05-09 13:25	End Date:	2022-05-16 12:40	Duration:	167.3 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		204.7	mL	
Pluvio Total		3.19	mm	
Potential Hydrogen	0.01	6.19		V0
Bicarbonate (calc)		7.9	µeq/L	
Conductivity	0.9	7.4	µS/cm	V0
Conductivity (calc)		6.3	µS/cm	
Conductivity Difference		-15.1	%	V0
Sum Anions		38.4	µeq/L	
Sum Cations		54.8	µeq/L	
Total Ions		93.1	µeq/L	
Ion Balance		17.6	%	
Ion Difference		16.4	µeq/L	V0
Calcium Ion	0.0100	0.4512	mg/L	V0
Magnesium Ion	0.0040	0.0502	mg/L	V0
Potassium Ion	0.0060	0.1312	mg/L	V0
Sodium Ion	0.0080	0.2017	mg/L	V0
Ammonium Ion	0.0140	0.2768	mg/L	V0
Nitrate Ion	0.0200	0.5408	mg/L	V0
Chloride Ion	0.0200	0.2837	mg/L	V0
Sulphate Ion	0.0200	0.6591	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220502197
Start Date: 2022-05-09 14:45 End Date: 2022-05-16 14:10 Duration: 167.4 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		338	mL	
Pluvio Total		4.92	mm	
Potential Hydrogen	0.01	7.15		V0
Bicarbonate (calc)		72.0	µeq/L	
Conductivity	0.9	44.3	µS/cm	V0
Conductivity (calc)		37.2	µS/cm	
Conductivity Difference		-16.1	%	V0
Sum Anions		199.3	µeq/L	
Sum Cations		395.6	µeq/L	
Total Ions		594.9	µeq/L	
Ion Balance		33.0	%	V4
Ion Difference		196.4	µeq/L	
Calcium Ion	0.0100	4.763	mg/L	V0
Magnesium Ion	0.0040	0.5608	mg/L	V0
Potassium Ion	0.0060	0.1637	mg/L	V0
Sodium Ion	0.0080	0.8060	mg/L	V0
Ammonium Ion	0.0140	1.308	mg/L	V0
Nitrate Ion	0.0200	1.506	mg/L	V0
Chloride Ion	0.0200	0.2206	mg/L	V0
Sulphate Ion	0.0200	4.641	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220502199
Start Date:	2022-05-10 10:40	End Date:	2022-05-16 13:20	Duration:	146.7 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-05-16 12:40**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-05-24 09:55**

Set Index: **1**
WBEA ID: **220502277**
Duration: **189.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		274.7	mL	
Pluvio Total		3.50	mm	
Potential Hydrogen	0.01	6.01		V0
Bicarbonate (calc)		5.2	µeq/L	
Conductivity	0.9	8.7	µS/cm	V0
Conductivity (calc)		8.4	µS/cm	
Conductivity Difference		-3.8	%	V0
Sum Anions		52.8	µeq/L	
Sum Cations		64.4	µeq/L	
Total Ions		117.2	µeq/L	
Ion Balance		9.9	%	V0
Ion Difference		11.6	µeq/L	
Calcium Ion	0.0100	0.5830	mg/L	V0
Magnesium Ion	0.0040	0.0741	mg/L	V0
Potassium Ion	0.0060	0.0256	mg/L	V0
Sodium Ion	0.0080	0.0505	mg/L	V0
Ammonium Ion	0.0140	0.4579	mg/L	V0
Nitrate Ion	0.0200	0.5966	mg/L	V0
Chloride Ion	0.0200	0.0426	mg/L	V0
Sulphate Ion	0.0200	1.764	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-05-16 13:20**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-05-24 10:42**

Set Index: **1**
WBEA ID: **220502275**
Duration: **189.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		850.8	mL	
Pluvio Total		12.15	mm	
Potential Hydrogen	0.01	5.99		V0
Bicarbonate (calc)		5.0	µeq/L	
Conductivity	0.9	4.6	µS/cm	V0
Conductivity (calc)		4.1	µS/cm	
Conductivity Difference		-10.0	%	V0
Sum Anions		24.1	µeq/L	
Sum Cations		33.1	µeq/L	
Total Ions		57.2	µeq/L	
Ion Balance		15.7	%	
Ion Difference		9.0	µeq/L	V0
Calcium Ion	0.0100	0.1928	mg/L	V0
Magnesium Ion	0.0040	0.0446	mg/L	V0
Potassium Ion	0.0060	0.0187	mg/L	V0
Sodium Ion	0.0080	0.0467	mg/L	V0
Ammonium Ion	0.0140	0.2933	mg/L	V0
Nitrate Ion	0.0200	0.4484	mg/L	V0
Chloride Ion	0.0200	0.0441	mg/L	V0
Sulphate Ion	0.0200	0.5085	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220502286**
Start Date: **2022-05-16 14:10** End Date: **2022-05-24 11:25** Duration: **189.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		204.4	mL	
Pluvio Total		3.08	mm	
Potential Hydrogen	0.01	6.67		V0
Bicarbonate (calc)		23.9	µeq/L	
Conductivity	0.9	25.5	µS/cm	V0
Conductivity (calc)		23.7	µS/cm	
Conductivity Difference		-7.2	%	V0
Sum Anions		142.0	µeq/L	
Sum Cations		211.0	µeq/L	
Total Ions		353.0	µeq/L	
Ion Balance		19.6	%	V0
Ion Difference		69.0	µeq/L	
Calcium Ion	0.0100	2.576	mg/L	V0
Magnesium Ion	0.0040	0.2022	mg/L	V0
Potassium Ion	0.0060	0.0350	mg/L	V0
Sodium Ion	0.0080	0.1180	mg/L	V0
Ammonium Ion	0.0140	1.075	mg/L	V0
Nitrate Ion	0.0200	0.9800	mg/L	V0
Chloride Ion	0.0200	0.0868	mg/L	V0
Sulphate Ion	0.0200	4.795	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220502381
Start Date:	2022-05-24 09:55	End Date:	2022-05-31 11:10	Duration:	169.3 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		774.2	mL	
Pluvio Total		10.56	mm	
Potential Hydrogen	0.01	6.11		V0
Bicarbonate (calc)		6.6	µeq/L	
Conductivity	0.9	5.4	µS/cm	V0
Conductivity (calc)		4.8	µS/cm	
Conductivity Difference		-10.8	%	V0
Sum Anions		28.5	µeq/L	
Sum Cations		38.5	µeq/L	
Total Ions		67.0	µeq/L	
Ion Balance		15.0	%	
Ion Difference		10.1	µeq/L	V0
Calcium Ion	0.0100	0.2111	mg/L	V0
Magnesium Ion	0.0040	0.0247	mg/L	V0
Potassium Ion	0.0060	0.0144	mg/L	V0
Sodium Ion	0.0080	0.0123	mg/L	V0
Ammonium Ion	0.0140	0.4384	mg/L	V0
Nitrate Ion	0.0200	0.4886	mg/L	V0
Chloride Ion	0.0200	0.0277	mg/L	V0
Sulphate Ion	0.0200	0.6321	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220502384
Start Date:	2022-05-24 10:44	End Date:	2022-05-31 13:15	Duration:	170.5 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1337.8	mL	
Pluvio Total		18.85	mm	
Potential Hydrogen	0.01	6.33		V0
Bicarbonate (calc)		10.9	µeq/L	
Conductivity	0.9	8.6	µS/cm	V0
Conductivity (calc)		7.8	µS/cm	
Conductivity Difference		-9.6	%	V0
Sum Anions		46.4	µeq/L	
Sum Cations		66.5	µeq/L	
Total Ions		112.9	µeq/L	
Ion Balance		17.8	%	V0
Ion Difference		20.1	µeq/L	
Calcium Ion	0.0100	0.3014	mg/L	V0
Magnesium Ion	0.0040	0.0649	mg/L	V0
Potassium Ion	0.0060	0.0662	mg/L	V0
Sodium Ion	0.0080	0.0944	mg/L	V0
Ammonium Ion	0.0140	0.7187	mg/L	V0
Nitrate Ion	0.0200	1.049	mg/L	V0
Chloride Ion	0.0200	0.0474	mg/L	V0
Sulphate Ion	0.0200	0.8229	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220502387
Start Date: 2022-05-24 11:25 End Date: 2022-06-01 13:10 Duration: 193.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		576.5	mL	
Pluvio Total		8.18	mm	
Potential Hydrogen	0.01	6.48		V0
Bicarbonate (calc)		15.4	µeq/L	
Conductivity	0.9	11	µS/cm	V0
Conductivity (calc)		10.0	µS/cm	
Conductivity Difference		-8.7	%	V0
Sum Anions		61.5	µeq/L	
Sum Cations		90.1	µeq/L	
Total Ions		151.6	µeq/L	
Ion Balance		18.8	%	V0
Ion Difference		28.5	µeq/L	
Calcium Ion	0.0100	1.076	mg/L	V0
Magnesium Ion	0.0040	0.0844	mg/L	V0
Potassium Ion	0.0060	0.0328	mg/L	V0
Sodium Ion	0.0080	0.0372	mg/L	V0
Ammonium Ion	0.0140	0.4809	mg/L	V0
Nitrate Ion	0.0200	0.8064	mg/L	V0
Chloride Ion	0.0200	0.0435	mg/L	V0
Sulphate Ion	0.0200	1.530	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220502506
Start Date:	2022-05-31 11:10	End Date:	2022-06-07 11:55	Duration:	168.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		0	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220602518
Start Date:	2022-05-31 13:15	End Date:	2022-06-06 11:10	Duration:	141.9 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		0	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602544
Start Date:	2022-06-01 13:10	End Date:	2022-06-07 13:20	Duration:	144.2 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		0	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-06-06 11:10**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-06-14 11:45**

Set Index: **1**
WBEA ID: **220602587**
Duration: **192.6 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1230.4	mL	
Pluvio Total		16.95	mm	
Potential Hydrogen	0.01	5.33		V0
Bicarbonate (calc)		1.1	µeq/L	
Conductivity	0.9	4.7	µS/cm	V0
Conductivity (calc)		4.1	µS/cm	
Conductivity Difference		-12.1	%	V0
Sum Anions		17.0	µeq/L	
Sum Cations		23.0	µeq/L	
Total Ions		40.1	µeq/L	
Ion Balance		15.0	%	
Ion Difference		6.0	µeq/L	V0
Calcium Ion	0.0100	0.0759	mg/L	V0
Magnesium Ion	0.0040	0.0179	mg/L	V0
Potassium Ion	0.0060	0.0789	mg/L	V0
Sodium Ion	0.0080	0.0184	mg/L	V0
Ammonium Ion	0.0140	0.1855	mg/L	V0
Nitrate Ion	0.0200	0.4960	mg/L	V0
Chloride Ion	0.0200	0.0458	mg/L	V0
Sulphate Ion	0.0200	0.3129	mg/L	V0
Phosphate Ion	0.0100	0.0139	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-06-07 11:55**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-06-15 11:05**

Set Index: **1**
WBEA ID: **220602613**
Duration: **191.2 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2244.3	mL	
Pluvio Total		33.12	mm	
Potential Hydrogen	0.01	5.43		V0
Bicarbonate (calc)		1.4	µeq/L	
Conductivity	0.9	7.7	µS/cm	V0
Conductivity (calc)		6.6	µS/cm	
Conductivity Difference		-14.2	%	V0
Sum Anions		31.9	µeq/L	
Sum Cations		49.3	µeq/L	
Total Ions		81.2	µeq/L	
Ion Balance		21.5	%	
Ion Difference		17.4	µeq/L	V4
Calcium Ion	0.0100	0.4197	mg/L	V0
Magnesium Ion	0.0040	0.0721	mg/L	V0
Potassium Ion	0.0060	0.2427	mg/L	V0
Sodium Ion	0.0080	0.0250	mg/L	V0
Ammonium Ion	0.0140	0.2062	mg/L	V0
Nitrate Ion	0.0200	0.7042	mg/L	V0
Chloride Ion	0.0200	0.0407	mg/L	V0
Sulphate Ion	0.0200	0.8365	mg/L	V0
Phosphate Ion	0.0100	0.0552	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220602617
Start Date: 2022-06-07 13:20 End Date: 2022-06-15 09:00 Duration: 187.7 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		732.8	mL	
Pluvio Total		10.22	mm	
Potential Hydrogen	0.01	6.01		V0
Bicarbonate (calc)		5.2	µeq/L	
Conductivity	0.9	13.3	µS/cm	V0
Conductivity (calc)		11.2	µS/cm	
Conductivity Difference		-16.0	%	V0
Sum Anions		55.9	µeq/L	
Sum Cations		110.4	µeq/L	
Total Ions		166.3	µeq/L	
Ion Balance		32.7	%	V4
Ion Difference		54.4	µeq/L	
Calcium Ion	0.0100	1.324	mg/L	V0
Magnesium Ion	0.0040	0.1766	mg/L	V0
Potassium Ion	0.0060	0.3351	mg/L	V0
Sodium Ion	0.0080	0.0708	mg/L	V0
Ammonium Ion	0.0140	0.3091	mg/L	V0
Nitrate Ion	0.0200	1.386	mg/L	V0
Chloride Ion	0.0200	0.1020	mg/L	V0
Sulphate Ion	0.0200	1.197	mg/L	V0
Phosphate Ion	0.0100	0.0531	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-06-14 11:45**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-06-21 10:55**

Set Index: **1**
WBEA ID: **220602718**
Duration: **167.2 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2229.6	mL	
Pluvio Total		32.43	mm	
Potential Hydrogen	0.01	5.89		V0
Bicarbonate (calc)		4.0	µeq/L	
Conductivity	0.9	5	µS/cm	V0
Conductivity (calc)		4.5	µS/cm	
Conductivity Difference		-10.2	%	V0
Sum Anions		24.9	µeq/L	
Sum Cations		36.8	µeq/L	
Total Ions		61.7	µeq/L	
Ion Balance		19.3	%	
Ion Difference		11.9	µeq/L	V0
Calcium Ion	0.0100	0.3066	mg/L	V0
Magnesium Ion	0.0040	0.0501	mg/L	V0
Potassium Ion	0.0060	0.0811	mg/L	V0
Sodium Ion	0.0080	0.0408	mg/L	V0
Ammonium Ion	0.0140	0.2207	mg/L	V0
Nitrate Ion	0.0200	0.5575	mg/L	V0
Chloride Ion	0.0200	0.0504	mg/L	V0
Sulphate Ion	0.0200	0.5048	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602737	
Start Date:	2022-06-15 09:05	End Date:	2022-06-21 14:00	Duration:	148.9 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		483.2	mL	
Pluvio Total		6.81	mm	
Potential Hydrogen	0.01	6.24		V0
Bicarbonate (calc)		8.9	µeq/L	
Conductivity	0.9	8.7	µS/cm	V0
Conductivity (calc)		7.9	µS/cm	
Conductivity Difference		-9.2	%	V0
Sum Anions		47.3	µeq/L	
Sum Cations		69.3	µeq/L	
Total Ions		116.7	µeq/L	
Ion Balance		18.8	%	V0
Ion Difference		22.0	µeq/L	
Calcium Ion	0.0100	0.6159	mg/L	V0
Magnesium Ion	0.0040	0.0665	mg/L	V0
Potassium Ion	0.0060	0.0452	mg/L	V0
Sodium Ion	0.0080	0.1234	mg/L	V0
Ammonium Ion	0.0140	0.4694	mg/L	V0
Nitrate Ion	0.0200	1.061	mg/L	V0
Chloride Ion	0.0200	0.1341	mg/L	V0
Sulphate Ion	0.0200	0.8418	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-06-15 11:05**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-06-21 11:05**

Set Index: **1**
WBEA ID: **220602742**
Duration: **144.0 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		529	mL	
Pluvio Total		7.05	mm	
Potential Hydrogen	0.01	6.49		V0
Bicarbonate (calc)		15.8	µeq/L	
Conductivity	0.9	9.8	µS/cm	V0
Conductivity (calc)		8.3	µS/cm	
Conductivity Difference		-14.8	%	V0
Sum Anions		47.4	µeq/L	
Sum Cations		83.7	µeq/L	
Total Ions		131.2	µeq/L	
Ion Balance		27.7	%	V4
Ion Difference		36.3	µeq/L	
Calcium Ion	0.0100	0.8829	mg/L	V0
Magnesium Ion	0.0040	0.1105	mg/L	V0
Potassium Ion	0.0060	0.0556	mg/L	V0
Sodium Ion	0.0080	0.1730	mg/L	V0
Ammonium Ion	0.0140	0.3843	mg/L	V0
Nitrate Ion	0.0200	0.9460	mg/L	V0
Chloride Ion	0.0200	0.1902	mg/L	V0
Sulphate Ion	0.0200	0.5284	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-06-21 11:00**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-06-27 09:15**

Set Index: **1**
WBEA ID: **220602799**
Duration: **142.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2078.8	mL	
Pluvio Total		27.05	mm	
Potential Hydrogen	0.01	5.05		V0
Bicarbonate (calc)		0.6	µeq/L	
Conductivity	0.9	4.2	µS/cm	V0
Conductivity (calc)		3.9	µS/cm	
Conductivity Difference		-7.2	%	V0
Sum Anions		7.6	µeq/L	
Sum Cations		12.6	µeq/L	
Total Ions		20.2	µeq/L	
Ion Balance		24.8	%	
Ion Difference		5.0	µeq/L	V0
Calcium Ion	0.0100	0.0437	mg/L	V0
Magnesium Ion	0.0040	0.0060	mg/L	V0
Potassium Ion	0.0060	0.0215	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.1636	mg/L	V0
Chloride Ion	0.0200	0.0209	mg/L	V0
Sulphate Ion	0.0200	0.1778	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-06-21 11:05**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-06-29 09:40**

Set Index: **1**
WBEA ID: **220602801**
Duration: **190.6 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		825	mL	
Pluvio Total		11.85	mm	
Potential Hydrogen	0.01	4.68		V0
Bicarbonate (calc)		0.2	µeq/L	
Conductivity	0.9	11.8	µS/cm	V0
Conductivity (calc)		11.7	µS/cm	
Conductivity Difference		-1.1	%	V0
Sum Anions		38.5	µeq/L	
Sum Cations		44.5	µeq/L	
Total Ions		82.9	µeq/L	
Ion Balance		7.3	%	
Ion Difference		6.0	µeq/L	V0
Calcium Ion	0.0100	0.3671	mg/L	V0
Magnesium Ion	0.0040	0.0258	mg/L	V0
Potassium Ion	0.0060	0.0303	mg/L	V0
Sodium Ion	0.0080	0.0139	mg/L	V0
Ammonium Ion	0.0140	0.0319	mg/L	V0
Nitrate Ion	0.0200	0.8604	mg/L	V0
Chloride Ion	0.0200	0.0283	mg/L	V0
Sulphate Ion	0.0200	1.129	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

		Deployment Information			
Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220602819
Start Date:	2022-06-21 14:00	End Date:	2022-06-29 11:40	Duration:	189.7 hr

Notes

Power outage from 22:00 MST to 00:00 MST on June 28th.

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		971.4	mL	
Pluvio Total		13.61	mm	
Potential Hydrogen	0.01	6.57		V0
Bicarbonate (calc)		18.9	µeq/L	
Conductivity	0.9	7.3	µS/cm	V0
Conductivity (calc)		5.9	µS/cm	
Conductivity Difference		-19.3	%	V0
Sum Anions		36.4	µeq/L	
Sum Cations		62.1	µeq/L	
Total Ions		98.6	µeq/L	
Ion Balance		26.1	%	
Ion Difference		25.7	µeq/L	V4
Calcium Ion	0.0100	0.9274	mg/L	V0
Magnesium Ion	0.0040	0.1475	mg/L	V0
Potassium Ion	0.0060	0.0360	mg/L	V0
Sodium Ion	0.0080	0.0576	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.2388	mg/L	V0
Chloride Ion	0.0200	0.0327	mg/L	V0
Sulphate Ion	0.0200	0.6094	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-06-27 09:20**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-07-05 11:15**

Set Index: **1**
WBEA ID: **220602900**
Duration: **193.9 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		866.9	mL	
Pluvio Total		11.72	mm	
Potential Hydrogen	0.01	4.76		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	8.6	µS/cm	V0
Conductivity (calc)		8.7	µS/cm	
Conductivity Difference		1.7	%	V0
Sum Anions		21.0	µeq/L	
Sum Cations		34.8	µeq/L	
Total Ions		55.8	µeq/L	
Ion Balance		24.7	%	
Ion Difference		13.8	µeq/L	V4
Calcium Ion	0.0100	0.1425	mg/L	V0
Magnesium Ion	0.0040	0.0204	mg/L	V0
Potassium Ion	0.0060	0.0295	mg/L	V0
Sodium Ion	0.0080	0.0878	mg/L	V0
Ammonium Ion	0.0140	0.0733	mg/L	V0
Nitrate Ion	0.0200	0.3422	mg/L	V0
Chloride Ion	0.0200	0.1036	mg/L	V0
Sulphate Ion	0.0200	0.5894	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220602938
Start Date:	2022-06-29 09:45	End Date:	2022-07-06 08:00	Duration:	166.3 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		5.6	mL	
Pluvio Total		0.08	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220602958**
Start Date: **2022-06-29 11:40** End Date: **2022-07-06 11:55** Duration: **168.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		88.8	mL	
Pluvio Total		1.17	mm	
Potential Hydrogen	0.01	6.58		V0
Bicarbonate (calc)		19.4	µeq/L	
Conductivity	0.9	11	µS/cm	V0
Conductivity (calc)		8.5	µS/cm	
Conductivity Difference		-22.5	%	V0
Sum Anions		48.7	µeq/L	
Sum Cations		91.2	µeq/L	
Total Ions		139.9	µeq/L	
Ion Balance		30.4	%	V4
Ion Difference		42.5	µeq/L	
Calcium Ion	0.0100	1.36	mg/L	V0
Magnesium Ion	0.0040	0.1788	mg/L	V0
Potassium Ion	0.0060	0.0564	mg/L	V0
Sodium Ion	0.0080	0.0756	mg/L	V0
Ammonium Ion	0.0140	0.0660	mg/L	V0
Nitrate Ion	0.0200	0.8876	mg/L	V0
Chloride Ion	0.0200	0.0682	mg/L	V0
Sulphate Ion	0.0200	0.6269	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220703034
Start Date:	2022-07-05 11:15	End Date:	2022-07-11 11:00	Duration:	143.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1425.1	mL	
Pluvio Total		20.00	mm	
Potential Hydrogen	0.01	5.46		V0
Bicarbonate (calc)		1.5	µeq/L	
Conductivity	0.9	2.9	µS/cm	V0
Conductivity (calc)		2.3	µS/cm	
Conductivity Difference		-19.3	%	V0
Sum Anions		9.1	µeq/L	
Sum Cations		10.8	µeq/L	
Total Ions		19.9	µeq/L	
Ion Balance		8.3	%	
Ion Difference		1.6	µeq/L	V0
Calcium Ion	0.0100	0.0457	mg/L	V0
Magnesium Ion	0.0040	0.0081	mg/L	V0
Potassium Ion	0.0060	0.0076	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	0.0723	mg/L	V0
Nitrate Ion	0.0200	0.2309	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.1597	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-07-06 08:00**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-07-12 09:25**

Set Index: **1**
WBEA ID: **220703036**
Duration: **145.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		657.7	mL	
Pluvio Total		9.06	mm	
Potential Hydrogen	0.01	5.96		V0
Bicarbonate (calc)		4.7	µeq/L	
Conductivity	0.9	5.5	µS/cm	V0
Conductivity (calc)		4.9	µS/cm	
Conductivity Difference		-11.1	%	V0
Sum Anions		29.4	µeq/L	
Sum Cations		40.7	µeq/L	
Total Ions		70.1	µeq/L	
Ion Balance		16.1	%	
Ion Difference		11.3	µeq/L	V0
Calcium Ion	0.0100	0.5395	mg/L	V0
Magnesium Ion	0.0040	0.0721	mg/L	V0
Potassium Ion	0.0060	0.0140	mg/L	V0
Sodium Ion	0.0080	0.0331	mg/L	V0
Ammonium Ion	0.0140	0.0893	mg/L	V0
Nitrate Ion	0.0200	0.3898	mg/L	V0
Chloride Ion	0.0200	0.0330	mg/L	V0
Sulphate Ion	0.0200	0.8408	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220703050
Start Date:	2022-07-06 11:55	End Date:	2022-07-12 12:00	Duration:	144.1 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		1658	mL	
Pluvio Total		23.87	mm	
Potential Hydrogen	0.01	5.97		V0
Bicarbonate (calc)		4.8	µeq/L	
Conductivity	0.9	5.1	µS/cm	V0
Conductivity (calc)		4.5	µS/cm	
Conductivity Difference		-10.9	%	V0
Sum Anions		26.8	µeq/L	
Sum Cations		39.8	µeq/L	
Total Ions		66.5	µeq/L	
Ion Balance		19.5	%	
Ion Difference		13.0	µeq/L	V0
Calcium Ion	0.0100	0.5149	mg/L	V0
Magnesium Ion	0.0040	0.1061	mg/L	V0
Potassium Ion	0.0060	0.0339	mg/L	V0
Sodium Ion	0.0080	0.0652	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.2591	mg/L	V0
Chloride Ion	0.0200	0.0547	mg/L	V0
Sulphate Ion	0.0200	0.7785	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220703100
Start Date:	2022-07-11 11:00	End Date:	2022-07-19 09:50	Duration:	190.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2.7	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-07-12 09:25**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-07-19 09:45**

Set Index: **1**
WBEA ID: **220703119**
Duration: **168.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2266	mL	
Pluvio Total		33.47	mm	
Potential Hydrogen	0.01	5.73		V0
Bicarbonate (calc)		2.7	µeq/L	
Conductivity	0.9	4.5	µS/cm	V0
Conductivity (calc)		4.0	µS/cm	
Conductivity Difference		-11.5	%	V0
Sum Anions		21.5	µeq/L	
Sum Cations		31.4	µeq/L	
Total Ions		52.9	µeq/L	
Ion Balance		18.6	%	
Ion Difference		9.9	µeq/L	V0
Calcium Ion	0.0100	0.4106	mg/L	V0
Magnesium Ion	0.0040	0.0492	mg/L	V0
Potassium Ion	0.0060	0.0208	mg/L	V0
Sodium Ion	0.0080	0.0180	mg/L	V0
Ammonium Ion	0.0140	0.0660	mg/L	V0
Nitrate Ion	0.0200	0.5002	mg/L	V0
Chloride Ion	0.0200	0.0327	mg/L	V0
Sulphate Ion	0.0200	0.4693	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220703139**
Start Date: **2022-07-12 12:00** End Date: **2022-07-19 12:25** Duration: **168.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1172.3	mL	
Pluvio Total		17.09	mm	
Potential Hydrogen	0.01	4.63		V0
Bicarbonate (calc)		0.2	µeq/L	
Conductivity	0.9	13.7	µS/cm	V0
Conductivity (calc)		13.3	µS/cm	
Conductivity Difference		-3.2	%	V0
Sum Anions		45.4	µeq/L	
Sum Cations		47.7	µeq/L	
Total Ions		93.2	µeq/L	
Ion Balance		2.5	%	
Ion Difference		2.3	µeq/L	V0
Calcium Ion	0.0100	0.2547	mg/L	V0
Magnesium Ion	0.0040	0.0423	mg/L	V0
Potassium Ion	0.0060	0.0175	mg/L	V0
Sodium Ion	0.0080	0.0222	mg/L	V0
Ammonium Ion	0.0140	0.1205	mg/L	V0
Nitrate Ion	0.0200	0.5440	mg/L	V0
Chloride Ion	0.0200	0.0492	mg/L	V0
Sulphate Ion	0.0200	1.682	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-07-19 09:50**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-07-26 12:10**

Set Index: **1**
WBEA ID: **220703183**
Duration: **170.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		442.4	mL	
Pluvio Total		5.47	mm	
Potential Hydrogen	0.01	5		V0
Bicarbonate (calc)		0.5	µeq/L	
Conductivity	0.9	6.7	µS/cm	V0
Conductivity (calc)		6.3	µS/cm	
Conductivity Difference		-6.1	%	V0
Sum Anions		22.2	µeq/L	
Sum Cations		27.9	µeq/L	
Total Ions		50.1	µeq/L	
Ion Balance		11.4	%	
Ion Difference		5.7	µeq/L	V0
Calcium Ion	0.0100	0.2164	mg/L	V0
Magnesium Ion	0.0040	0.0343	mg/L	V0
Potassium Ion	0.0060	0.0387	mg/L	V0
Sodium Ion	0.0080	0.0174	mg/L	V0
Ammonium Ion	0.0140	0.0462	mg/L	V0
Nitrate Ion	0.0200	0.3049	mg/L	V0
Chloride Ion	0.0200	0.0970	mg/L	V0
Sulphate Ion	0.0200	0.6705	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220703181
Start Date:	2022-07-19 09:55	End Date:	2022-07-27 10:25	Duration:	192.5 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1626.8	mL	
Pluvio Total		23.90	mm	
Potential Hydrogen	0.01	5.2		V0
Bicarbonate (calc)		0.8	µeq/L	
Conductivity	0.9	4.5	µS/cm	V0
Conductivity (calc)		4.1	µS/cm	
Conductivity Difference		-9.5	%	V0
Sum Anions		14.5	µeq/L	
Sum Cations		19.1	µeq/L	
Total Ions		33.6	µeq/L	
Ion Balance		13.6	%	
Ion Difference		4.6	µeq/L	V0
Calcium Ion	0.0100	0.1730	mg/L	V0
Magnesium Ion	0.0040	0.0206	mg/L	V0
Potassium Ion	0.0060	0.0062	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	0.0362	mg/L	V0
Nitrate Ion	0.0200	0.3060	mg/L	V0
Chloride Ion	0.0200	0.0315	mg/L	V0
Sulphate Ion	0.0200	0.3783	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220703225
Start Date: 2022-07-19 12:25 End Date: 2022-07-26 08:00 Duration: 163.6 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1295.7	mL	
Pluvio Total		17.80	mm	
Potential Hydrogen	0.01	5.18		V0
Bicarbonate (calc)		0.8	µeq/L	
Conductivity	0.9	5.1	µS/cm	V0
Conductivity (calc)		4.6	µS/cm	
Conductivity Difference		-10.5	%	V0
Sum Anions		17.5	µeq/L	
Sum Cations		21.7	µeq/L	
Total Ions		39.2	µeq/L	
Ion Balance		10.8	%	
Ion Difference		4.2	µeq/L	V0
Calcium Ion	0.0100	0.1576	mg/L	V0
Magnesium Ion	0.0040	0.0236	mg/L	V0
Potassium Ion	0.0060	0.0108	mg/L	V0
Sodium Ion	0.0080	0.0177	mg/L	V0
Ammonium Ion	0.0140	0.0764	mg/L	V0
Nitrate Ion	0.0200	0.3802	mg/L	V0
Chloride Ion	0.0200	0.0481	mg/L	V0
Sulphate Ion	0.0200	0.4406	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220703314**
Start Date: **2022-07-26 08:00** End Date: **2022-08-02 11:15** Duration: **171.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		946.9	mL	
Pluvio Total		13.38	mm	
Potential Hydrogen	0.01	6.07		V0
Bicarbonate (calc)		6.0	µeq/L	
Conductivity	0.9	5.9	µS/cm	V0
Conductivity (calc)		4.7	µS/cm	
Conductivity Difference		-20.5	%	V0
Sum Anions		23.4	µeq/L	
Sum Cations		49.2	µeq/L	
Total Ions		72.6	µeq/L	
Ion Balance		35.6	%	
Ion Difference		25.8	µeq/L	V4
Calcium Ion	0.0100	0.6983	mg/L	V0
Magnesium Ion	0.0040	0.0994	mg/L	V0
Potassium Ion	0.0060	0.0234	mg/L	V0
Sodium Ion	0.0080	0.1035	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.3802	mg/L	V0
Chloride Ion	0.0200	0.0623	mg/L	V0
Sulphate Ion	0.0200	0.4554	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-07-26 12:10**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-08-02 12:15**

Set Index: **1**
WBEA ID: **220703339**
Duration: **168.1 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		882.5	mL	
Pluvio Total		6.61	mm	
Potential Hydrogen	0.01	4.87		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	6.8	µS/cm	V0
Conductivity (calc)		6.4	µS/cm	
Conductivity Difference		-6.3	%	V0
Sum Anions		14.2	µeq/L	
Sum Cations		22.3	µeq/L	
Total Ions		36.5	µeq/L	
Ion Balance		22.0	%	
Ion Difference		8.0	µeq/L	V0
Calcium Ion	0.0100	0.0558	mg/L	V0
Magnesium Ion	0.0040	0.0068	mg/L	V0
Potassium Ion	0.0060	0.0167	mg/L	V0
Sodium Ion	0.0080	0.0157	mg/L	V0
Ammonium Ion	0.0140	0.0777	mg/L	V0
Nitrate Ion	0.0200	0.3042	mg/L	V0
Chloride Ion	0.0200	0.0369	mg/L	V0
Sulphate Ion	0.0200	0.3786	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-07-27 10:25**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-08-02 12:05**

Set Index: **1**
WBEA ID: **220703354**
Duration: **145.7 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		842.4	mL	
Pluvio Total		12.01	mm	
Potential Hydrogen	0.01	5.34		V0
Bicarbonate (calc)		1.1	µeq/L	
Conductivity	0.9	5	µS/cm	V0
Conductivity (calc)		4.1	µS/cm	
Conductivity Difference		-18.0	%	V0
Sum Anions		14.4	µeq/L	
Sum Cations		29.4	µeq/L	
Total Ions		43.8	µeq/L	
Ion Balance		34.3	%	
Ion Difference		15.0	µeq/L	V4
Calcium Ion	0.0100	0.3709	mg/L	V0
Magnesium Ion	0.0040	0.0479	mg/L	V0
Potassium Ion	0.0060	0.0165	mg/L	V0
Sodium Ion	0.0080	0.0438	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.3576	mg/L	V0
Chloride Ion	0.0200	0.0389	mg/L	V0
Sulphate Ion	0.0200	0.3074	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220803429
Start Date: 2022-08-02 11:15 End Date: 2022-08-09 12:05 Duration: 168.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1841.6	mL	
Pluvio Total		25.73	mm	
Potential Hydrogen	0.01	5.92		V0
Bicarbonate (calc)		4.2	µeq/L	
Conductivity	0.9	3	µS/cm	V0
Conductivity (calc)		2.2	µS/cm	
Conductivity Difference		-26.7	%	V0
Sum Anions		10.0	µeq/L	
Sum Cations		20.9	µeq/L	
Total Ions		30.8	µeq/L	
Ion Balance		35.4	%	
Ion Difference		10.9	µeq/L	V0
Calcium Ion	0.0100	0.3076	mg/L	V0
Magnesium Ion	0.0040	0.0397	mg/L	V0
Potassium Ion	0.0060	0.0097	mg/L	V0
Sodium Ion	0.0080	0.0123	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.1114	mg/L	V0
Chloride Ion	0.0200	0.0217	mg/L	V0
Sulphate Ion	0.0200	0.1559	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-08-02 12:05**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-08-09 09:30**

Set Index: **1**
WBEA ID: **220803430**
Duration: **165.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1604.7	mL	
Pluvio Total		23.00	mm	
Potential Hydrogen	0.01	5.29		V0
Bicarbonate (calc)		1.0	µeq/L	
Conductivity	0.9	3.2	µS/cm	V0
Conductivity (calc)		2.6	µS/cm	
Conductivity Difference		-20.1	%	V0
Sum Anions		6.7	µeq/L	
Sum Cations		9.9	µeq/L	
Total Ions		16.6	µeq/L	
Ion Balance		19.0	%	
Ion Difference		3.2	µeq/L	V0
Calcium Ion	0.0100	0.0751	mg/L	V0
Magnesium Ion	0.0040	0.0062	mg/L	V0
Potassium Ion	0.0060	0.0076	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.1235	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.1577	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-08-02 12:20**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-08-08 09:55**

Set Index: **1**
WBEA ID: **220803436**
Duration: **141.6 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		4771.6	mL	
Pluvio Total		57.29	mm	
Potential Hydrogen	0.01	5.41		V0
Bicarbonate (calc)		1.3	µeq/L	
Conductivity	0.9	2.5	µS/cm	V0
Conductivity (calc)		1.9	µS/cm	
Conductivity Difference		-22.8	%	V0
Sum Anions		5.1	µeq/L	
Sum Cations		7.3	µeq/L	
Total Ions		12.3	µeq/L	
Ion Balance		17.7	%	
Ion Difference		2.2	µeq/L	V0
Calcium Ion	0.0100	0.0223	mg/L	V0
Magnesium Ion	0.0040	-8888	mg/L	V1
Potassium Ion	0.0060	-8888	mg/L	V1
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	0.0321	mg/L	V0
Nitrate Ion	0.0200	0.0939	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.0832	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-08-08 09:55**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-08-16 08:30**

Set Index: **1**
WBEA ID: **220803502**
Duration: **190.6 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		69.5	mL	
Pluvio Total		0.75	mm	
Potential Hydrogen	0.01	5.07		V0
Bicarbonate (calc)		0.6	µeq/L	
Conductivity	0.9	4.9	µS/cm	V0
Conductivity (calc)		4.4	µS/cm	
Conductivity Difference		-9.3	%	V0
Sum Anions		11.1	µeq/L	
Sum Cations		19.5	µeq/L	
Total Ions		30.6	µeq/L	
Ion Balance		27.7	%	
Ion Difference		8.5	µeq/L	V0
Calcium Ion	0.0100	0.1292	mg/L	V0
Magnesium Ion	0.0040	0.0148	mg/L	V0
Potassium Ion	0.0060	0.0334	mg/L	V0
Sodium Ion	0.0080	0.0571	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.1535	mg/L	V0
Chloride Ion	0.0200	0.1203	mg/L	V0
Sulphate Ion	0.0200	0.2193	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220803536
Start Date:	2022-08-09 09:45	End Date:	2022-08-17 11:40	Duration:	193.9 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		126.2	mL	
Pluvio Total		1.67	mm	
Potential Hydrogen	0.01	5.13		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	6.1	µS/cm	V0
Conductivity (calc)		5.7	µS/cm	
Conductivity Difference		-5.8	%	V0
Sum Anions		23.0	µeq/L	
Sum Cations		30.9	µeq/L	
Total Ions		54.0	µeq/L	
Ion Balance		14.7	%	
Ion Difference		7.9	µeq/L	V0
Calcium Ion	0.0100	0.3783	mg/L	V0
Magnesium Ion	0.0040	0.0349	mg/L	V0
Potassium Ion	0.0060	0.0068	mg/L	V0
Sodium Ion	0.0080	0.0141	mg/L	V0
Ammonium Ion	0.0140	0.0179	mg/L	V0
Nitrate Ion	0.0200	0.3776	mg/L	V0
Chloride Ion	0.0200	0.0302	mg/L	V0
Sulphate Ion	0.0200	0.7388	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803537
Start Date:	2022-08-09 12:05	End Date:	2022-08-17 14:00	Duration:	193.9 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		125.7	mL	
Pluvio Total		1.73	mm	
Potential Hydrogen	0.01	5.16		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	5.2	µS/cm	V0
Conductivity (calc)		4.8	µS/cm	
Conductivity Difference		-8.3	%	V0
Sum Anions		16.8	µeq/L	
Sum Cations		26.0	µeq/L	
Total Ions		42.8	µeq/L	
Ion Balance		21.4	%	
Ion Difference		9.2	µeq/L	V0
Calcium Ion	0.0100	0.2653	mg/L	V0
Magnesium Ion	0.0040	0.0530	mg/L	V0
Potassium Ion	0.0060	0.0096	mg/L	V0
Sodium Ion	0.0080	0.0256	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.4834	mg/L	V0
Chloride Ion	0.0200	0.0398	mg/L	V0
Sulphate Ion	0.0200	0.3416	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-08-16 08:35**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-08-23 10:55**

Set Index: **1**
WBEA ID: **220803620**
Duration: **170.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		148.8	mL	
Pluvio Total		1.87	mm	
Potential Hydrogen	0.01	5.6		V0
Bicarbonate (calc)		2.0	µeq/L	
Conductivity	0.9	8.1	µS/cm	V0
Conductivity (calc)		7.4	µS/cm	
Conductivity Difference		-8.4	%	V0
Sum Anions		43.0	µeq/L	
Sum Cations		56.6	µeq/L	
Total Ions		99.6	µeq/L	
Ion Balance		13.7	%	
Ion Difference		13.6	µeq/L	V0
Calcium Ion	0.0100	0.5928	mg/L	V0
Magnesium Ion	0.0040	0.0854	mg/L	V0
Potassium Ion	0.0060	0.0243	mg/L	V0
Sodium Ion	0.0080	0.0223	mg/L	V0
Ammonium Ion	0.0140	0.2866	mg/L	V0
Nitrate Ion	0.0200	1.496	mg/L	V0
Chloride Ion	0.0200	0.0729	mg/L	V0
Sulphate Ion	0.0200	0.7076	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-08-17 11:40**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-08-24 10:35**

Set Index: **1**
WBEA ID: **220803651**
Duration: **166.9 hr**

Notes

Incomplete lab analysis. No conductivity or pH analysis done.

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		14.4	mL	
Pluvio Total		0.17	mm	
Calcium Ion	0.0100	2.018	mg/L	V10
Magnesium Ion	0.0040	0.2003	mg/L	V10
Potassium Ion	0.0060	0.0077	mg/L	V10
Sodium Ion	0.0080	0.0623	mg/L	V10
Ammonium Ion	0.0140	-0.0006	mg/L	V10
Nitrate Ion	0.0200	0.1238	mg/L	V10
Chloride Ion	0.0200	0.0769	mg/L	V10
Sulphate Ion	0.0200	0.6779	mg/L	V10
Phosphate Ion	0.0100	0.0102	mg/L	V10



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220803652
Start Date:	2022-08-17 14:00	End Date:	2022-08-24 13:55	Duration:	167.9 hr

Notes

Dry Week

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		0.3	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-08-23 10:55**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-08-30 10:35**

Set Index: **1**
WBEA ID: **220804147**
Duration: **167.7 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		1662.1	mL	
Pluvio Total		24.17	mm	
Potential Hydrogen	0.01	4.43		V0
Bicarbonate (calc)		0.1	µeq/L	
Conductivity	0.9	18.6	µS/cm	V0
Conductivity (calc)		18.3	µS/cm	
Conductivity Difference		-1.6	%	V0
Sum Anions		44.1	µeq/L	
Sum Cations		65.4	µeq/L	
Total Ions		109.4	µeq/L	
Ion Balance		19.5	%	V4
Ion Difference		21.3	µeq/L	
Calcium Ion	0.0100	0.1711	mg/L	V0
Magnesium Ion	0.0040	0.0250	mg/L	V0
Potassium Ion	0.0060	0.0428	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	0.2927	mg/L	V0
Nitrate Ion	0.0200	0.7515	mg/L	V0
Chloride Ion	0.0200	0.0280	mg/L	V0
Sulphate Ion	0.0200	1.489	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-08-24 10:35**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-08-31 11:35**

Set Index: **1**
WBEA ID: **220804200**
Duration: **169.0 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2610.1	mL	
Pluvio Total		38.42	mm	
Potential Hydrogen	0.01	4.88		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	6.7	µS/cm	V0
Conductivity (calc)		6.3	µS/cm	
Conductivity Difference		-6.0	%	V0
Sum Anions		12.1	µeq/L	
Sum Cations		24.6	µeq/L	
Total Ions		36.8	µeq/L	
Ion Balance		34.0	%	
Ion Difference		12.5	µeq/L	V4
Calcium Ion	0.0100	0.0769	mg/L	V0
Magnesium Ion	0.0040	0.0093	mg/L	V0
Potassium Ion	0.0060	0.0120	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	0.1157	mg/L	V0
Nitrate Ion	0.0200	0.2418	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.3522	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220804212**
Start Date: **2022-08-24 13:55** End Date: **2022-08-31 14:45** Duration: **168.8 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		2106.4	mL	
Pluvio Total		30.35	mm	
Potential Hydrogen	0.01	4.97		V0
Bicarbonate (calc)		0.5	µeq/L	
Conductivity	0.9	6.2	µS/cm	V0
Conductivity (calc)		5.8	µS/cm	
Conductivity Difference		-6.2	%	V0
Sum Anions		15.5	µeq/L	
Sum Cations		25.2	µeq/L	
Total Ions		40.6	µeq/L	
Ion Balance		23.9	%	
Ion Difference		9.7	µeq/L	V0
Calcium Ion	0.0100	0.1641	mg/L	V0
Magnesium Ion	0.0040	0.0281	mg/L	V0
Potassium Ion	0.0060	0.0165	mg/L	V0
Sodium Ion	0.0080	0.0096	mg/L	V0
Ammonium Ion	0.0140	0.0562	mg/L	V0
Nitrate Ion	0.0200	0.2920	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.4690	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-08-30 10:35**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-09-06 09:20**

Set Index: **1**
WBEA ID: **220804253**
Duration: **166.8 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		31.6	mL	
Pluvio Total		0.47	mm	
Potential Hydrogen	0.01	4.77		V0
Bicarbonate (calc)		0.3	µeq/L	
Conductivity	0.9	12.9	µS/cm	V0
Conductivity (calc)		11.4	µS/cm	
Conductivity Difference		-11.9	%	V0
Sum Anions		41.1	µeq/L	
Sum Cations		55.6	µeq/L	
Total Ions		96.6	µeq/L	
Ion Balance		15.0	%	
Ion Difference		14.5	µeq/L	V4
Calcium Ion	0.0100	0.4084	mg/L	V0
Magnesium Ion	0.0040	0.0532	mg/L	V0
Potassium Ion	0.0060	0.1026	mg/L	V0
Sodium Ion	0.0080	0.1092	mg/L	V0
Ammonium Ion	0.0140	0.1168	mg/L	V0
Nitrate Ion	0.0200	1.246	mg/L	V0
Chloride Ion	0.0200	0.2114	mg/L	V0
Sulphate Ion	0.0200	0.7023	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-08-31 11:35**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-09-06 10:15**

Set Index: **1**
WBEA ID: **220804288**
Duration: **142.7 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		41.9	mL	
Pluvio Total		0.48	mm	
Potential Hydrogen	0.01	6.54		V0
Bicarbonate (calc)		17.7	µeq/L	
Conductivity	0.9	10.5	µS/cm	V0
Conductivity (calc)		7.8	µS/cm	
Conductivity Difference		-25.3	%	V0
Sum Anions		50.8	µeq/L	
Sum Cations		76.0	µeq/L	
Total Ions		126.9	µeq/L	
Ion Balance		19.9	%	V0
Ion Difference		25.2	µeq/L	
Calcium Ion	0.0100	1.148	mg/L	V0
Magnesium Ion	0.0040	0.0956	mg/L	V0
Potassium Ion	0.0060	0.2242	mg/L	V0
Sodium Ion	0.0080	0.1086	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	1.297	mg/L	V0
Chloride Ion	0.0200	0.0872	mg/L	V0
Sulphate Ion	0.0200	0.4686	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220804293
Start Date:	2022-08-31 14:45	End Date:	2022-09-06 12:25	Duration:	141.7 hr

Notes

Low precipitation value in sample

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		5.9	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-09-06 09:20**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-09-13 07:55**

Set Index: **1**
WBEA ID: **220904346**
Duration: **166.6 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		736.2	mL	
Pluvio Total		10.48	mm	
Potential Hydrogen	0.01	6		V0
Bicarbonate (calc)		5.1	µeq/L	
Conductivity	0.9	4.8	µS/cm	V0
Conductivity (calc)		4.1	µS/cm	
Conductivity Difference		-15.5	%	V0
Sum Anions		20.6	µeq/L	
Sum Cations		35.9	µeq/L	
Total Ions		56.5	µeq/L	
Ion Balance		27.0	%	
Ion Difference		15.2	µeq/L	V0
Calcium Ion	0.0100	0.2242	mg/L	V0
Magnesium Ion	0.0040	0.0347	mg/L	V0
Potassium Ion	0.0060	0.0343	mg/L	V0
Sodium Ion	0.0080	0.0535	mg/L	V0
Ammonium Ion	0.0140	0.3180	mg/L	V0
Nitrate Ion	0.0200	0.3929	mg/L	V0
Chloride Ion	0.0200	0.0430	mg/L	V0
Sulphate Ion	0.0200	0.3830	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-09-06 10:15**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-09-13 09:40**

Set Index: **1**
WBEA ID: **220904349**
Duration: **167.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		202.1	mL	
Pluvio Total		2.91	mm	
Potential Hydrogen	0.01	5.85		V0
Bicarbonate (calc)		3.6	µeq/L	
Conductivity	0.9	3.6	µS/cm	V0
Conductivity (calc)		2.9	µS/cm	
Conductivity Difference		-18.1	%	V0
Sum Anions		13.6	µeq/L	
Sum Cations		25.8	µeq/L	
Total Ions		39.5	µeq/L	
Ion Balance		30.9	%	
Ion Difference		12.2	µeq/L	V0
Calcium Ion	0.0100	0.2638	mg/L	V0
Magnesium Ion	0.0040	0.0306	mg/L	V0
Potassium Ion	0.0060	0.0218	mg/L	V0
Sodium Ion	0.0080	0.0253	mg/L	V0
Ammonium Ion	0.0140	0.1277	mg/L	V0
Nitrate Ion	0.0200	0.2742	mg/L	V0
Chloride Ion	0.0200	0.0333	mg/L	V0
Sulphate Ion	0.0200	0.2223	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220904376**
Start Date: **2022-09-06 12:25** End Date: **2022-09-13 12:10** Duration: **167.8 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		79.6	mL	
Pluvio Total		0.92	mm	
Potential Hydrogen	0.01	6.31		V0
Bicarbonate (calc)		10.4	µeq/L	
Conductivity	0.9	9.4	µS/cm	V0
Conductivity (calc)		7.3	µS/cm	
Conductivity Difference		-22.1	%	V0
Sum Anions		38.7	µeq/L	
Sum Cations		74.9	µeq/L	
Total Ions		113.7	µeq/L	
Ion Balance		31.8	%	V4
Ion Difference		36.2	µeq/L	
Calcium Ion	0.0100	0.8676	mg/L	V0
Magnesium Ion	0.0040	0.1294	mg/L	V0
Potassium Ion	0.0060	0.0647	mg/L	V0
Sodium Ion	0.0080	0.1166	mg/L	V0
Ammonium Ion	0.0140	0.2486	mg/L	V0
Nitrate Ion	0.0200	0.6868	mg/L	V0
Chloride Ion	0.0200	0.0744	mg/L	V0
Sulphate Ion	0.0200	0.7251	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-09-13 07:55**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-09-19 09:15**

Set Index: **1**
WBEA ID: **220904473**
Duration: **145.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		23.4	mL	
Pluvio Total		0.24	mm	
Potential Hydrogen	0.01	6.12		V0
Bicarbonate (calc)		6.7	µeq/L	
Conductivity	0.9	20	µS/cm	V0
Conductivity (calc)		18.7	µS/cm	
Conductivity Difference		-6.6	%	V0
Sum Anions		114.9	µeq/L	
Sum Cations		155.9	µeq/L	
Total Ions		270.8	µeq/L	
Ion Balance		15.1	%	V0
Ion Difference		41.0	µeq/L	
Calcium Ion	0.0100	1.172	mg/L	V0
Magnesium Ion	0.0040	0.1644	mg/L	V0
Potassium Ion	0.0060	0.1388	mg/L	V0
Sodium Ion	0.0080	0.3799	mg/L	V0
Ammonium Ion	0.0140	1.136	mg/L	V0
Nitrate Ion	0.0200	2.856	mg/L	V0
Chloride Ion	0.0200	0.5817	mg/L	V0
Sulphate Ion	0.0200	2.190	mg/L	V0
Phosphate Ion	0.0100	0.0107	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-09-13 09:40**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-09-21 11:45**

Set Index: **1**
WBEA ID: **220904495**
Duration: **194.1 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		654.2	mL	
Pluvio Total		8.95	mm	
Potential Hydrogen	0.01	5.37		V0
Bicarbonate (calc)		1.2	µeq/L	
Conductivity	0.9	6.4	µS/cm	V0
Conductivity (calc)		5.8	µS/cm	
Conductivity Difference		-9.4	%	V0
Sum Anions		28.3	µeq/L	
Sum Cations		38.5	µeq/L	
Total Ions		66.8	µeq/L	
Ion Balance		15.4	%	
Ion Difference		10.3	µeq/L	V4
Calcium Ion	0.0100	0.3437	mg/L	V0
Magnesium Ion	0.0040	0.0435	mg/L	V0
Potassium Ion	0.0060	0.0199	mg/L	V0
Sodium Ion	0.0080	0.0248	mg/L	V0
Ammonium Ion	0.0140	0.2154	mg/L	V0
Nitrate Ion	0.0200	0.6236	mg/L	V0
Chloride Ion	0.0200	0.0348	mg/L	V0
Sulphate Ion	0.0200	0.7689	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **220904499**
Start Date: **2022-09-13 12:10** End Date: **2022-09-21 07:45** Duration: **187.6 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		688.3	mL	
Pluvio Total		9.54	mm	
Potential Hydrogen	0.01	5.89		V0
Bicarbonate (calc)		4.0	µeq/L	
Conductivity	0.9	7.7	µS/cm	V0
Conductivity (calc)		6.8	µS/cm	
Conductivity Difference		-11.7	%	V0
Sum Anions		40.5	µeq/L	
Sum Cations		55.8	µeq/L	
Total Ions		96.3	µeq/L	
Ion Balance		15.9	%	
Ion Difference		15.3	µeq/L	V0
Calcium Ion	0.0100	0.6491	mg/L	V0
Magnesium Ion	0.0040	0.0963	mg/L	V0
Potassium Ion	0.0060	0.0279	mg/L	V0
Sodium Ion	0.0080	0.0518	mg/L	V0
Ammonium Ion	0.0140	0.2020	mg/L	V0
Nitrate Ion	0.0200	0.5980	mg/L	V0
Chloride Ion	0.0200	0.0363	mg/L	V0
Sulphate Ion	0.0200	1.242	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	220904549
Start Date:	2022-09-19 09:15	End Date:	2022-09-27 10:50	Duration:	193.6 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		412.8	mL	
Pluvio Total		5.65	mm	
Potential Hydrogen	0.01	4.91		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	6.3	µS/cm	V0
Conductivity (calc)		5.7	µS/cm	
Conductivity Difference		-10.3	%	V0
Sum Anions		13.7	µeq/L	
Sum Cations		17.0	µeq/L	
Total Ions		30.7	µeq/L	
Ion Balance		10.6	%	
Ion Difference		3.3	µeq/L	V0
Calcium Ion	0.0100	0.0319	mg/L	V0
Magnesium Ion	0.0040	0.0047	mg/L	V0
Potassium Ion	0.0060	0.0083	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	0.0390	mg/L	V0
Nitrate Ion	0.0200	0.2633	mg/L	V0
Chloride Ion	0.0200	0.0256	mg/L	V0
Sulphate Ion	0.0200	0.3984	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 220904580
Start Date: 2022-09-21 07:45 End Date: 2022-09-28 12:30 Duration: 172.8 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		507.4	mL	
Pluvio Total		0.00	mm	
Potential Hydrogen	0.01	5.96		V0
Bicarbonate (calc)		4.7	µeq/L	
Conductivity	0.9	8.6	µS/cm	V0
Conductivity (calc)		7.9	µS/cm	
Conductivity Difference		-8.6	%	V0
Sum Anions		52.9	µeq/L	
Sum Cations		64.6	µeq/L	
Total Ions		117.4	µeq/L	
Ion Balance		10.0	%	V0
Ion Difference		11.7	µeq/L	
Calcium Ion	0.0100	0.5047	mg/L	V0
Magnesium Ion	0.0040	0.0783	mg/L	V0
Potassium Ion	0.0060	0.0699	mg/L	V0
Sodium Ion	0.0080	0.5957	mg/L	V0
Ammonium Ion	0.0140	0.0747	mg/L	V0
Nitrate Ion	0.0200	0.9318	mg/L	V0
Chloride Ion	0.0200	0.2877	mg/L	V0
Sulphate Ion	0.0200	1.203	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	220904616
Start Date:	2022-09-21 11:45	End Date:	2022-09-28 09:20	Duration:	165.6 hr

Notes

Insufficient sample for analysis

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		79.3	mL	
Pluvio Total		0.00	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-09-27 10:50**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-10-04 11:15**

Set Index: **1**
WBEA ID: **220904696**
Duration: **168.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		156	mL	
Pluvio Total		2.09	mm	
Potential Hydrogen	0.01	5.22		V0
Bicarbonate (calc)		0.8	µeq/L	
Conductivity	0.9	11.7	µS/cm	V0
Conductivity (calc)		11.2	µS/cm	
Conductivity Difference		-4.1	%	V0
Sum Anions		58.6	µeq/L	
Sum Cations		73.4	µeq/L	
Total Ions		132.1	µeq/L	
Ion Balance		11.2	%	V4
Ion Difference		14.8	µeq/L	
Calcium Ion	0.0100	0.2830	mg/L	V0
Magnesium Ion	0.0040	0.0376	mg/L	V0
Potassium Ion	0.0060	0.0190	mg/L	V0
Sodium Ion	0.0080	0.0208	mg/L	V0
Ammonium Ion	0.0140	0.8806	mg/L	V0
Nitrate Ion	0.0200	1.541	mg/L	V0
Chloride Ion	0.0200	0.0793	mg/L	V0
Sulphate Ion	0.0200	1.472	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-09-28 09:20**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-10-05 11:45**

Set Index: **1**
WBEA ID: **220904717**
Duration: **170.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		174.9	mL	
Pluvio Total		2.29	mm	
Potential Hydrogen	0.01	5.61		V0
Bicarbonate (calc)		2.1	µeq/L	
Conductivity	0.9	7.7	µS/cm	V0
Conductivity (calc)		6.4	µS/cm	
Conductivity Difference		-16.9	%	V0
Sum Anions		29.7	µeq/L	
Sum Cations		51.4	µeq/L	
Total Ions		81.0	µeq/L	
Ion Balance		26.8	%	
Ion Difference		21.7	µeq/L	V4
Calcium Ion	0.0100	0.2425	mg/L	V0
Magnesium Ion	0.0040	0.0279	mg/L	V0
Potassium Ion	0.0060	0.0203	mg/L	V0
Sodium Ion	0.0080	0.0157	mg/L	V0
Ammonium Ion	0.0140	0.6007	mg/L	V0
Nitrate Ion	0.0200	0.8093	mg/L	V0
Chloride Ion	0.0200	0.0492	mg/L	V0
Sulphate Ion	0.0200	0.6287	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	220904748	
Start Date:	2022-09-28 12:30	End Date:	2022-10-05 13:45	Duration:	169.3 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		305.9	mL	
Pluvio Total		4.23	mm	
Potential Hydrogen	0.01	6.17		V0
Bicarbonate (calc)		7.5	µeq/L	
Conductivity	0.9	13.8	µS/cm	V0
Conductivity (calc)		12.3	µS/cm	
Conductivity Difference		-11.0	%	V0
Sum Anions		69.3	µeq/L	
Sum Cations		106.3	µeq/L	
Total Ions		175.6	µeq/L	
Ion Balance		21.1	%	V4
Ion Difference		37.1	µeq/L	
Calcium Ion	0.0100	0.8994	mg/L	V0
Magnesium Ion	0.0040	0.0948	mg/L	V0
Potassium Ion	0.0060	0.0311	mg/L	V0
Sodium Ion	0.0080	0.0399	mg/L	V0
Ammonium Ion	0.0140	0.9099	mg/L	V0
Nitrate Ion	0.0200	1.114	mg/L	V0
Chloride Ion	0.0200	0.0592	mg/L	V0
Sulphate Ion	0.0200	2.020	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-10-04 11:15**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-10-11 12:00**

Set Index: **1**
WBEA ID: **221004800**
Duration: **168.8 hr**

Notes

Leaf found in bucket upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		82	mL	
Pluvio Total		1.11	mm	
Potential Hydrogen	0.01	6.76		V0
Bicarbonate (calc)		29.3	µeq/L	
Conductivity	0.9	96.4	µS/cm	V0
Conductivity (calc)		59.7	µS/cm	
Conductivity Difference		-38.1	%	V4
Sum Anions		189.9	µeq/L	
Sum Cations		759.1	µeq/L	
Total Ions		949.1	µeq/L	
Ion Balance		60.0	%	V4
Ion Difference		569.2	µeq/L	
Calcium Ion	0.0100	8.064	mg/L	V0
Magnesium Ion	0.0040	2.461	mg/L	V0
Potassium Ion	0.0060	5.849	mg/L	V0
Sodium Ion	0.0080	0.0605	mg/L	V0
Ammonium Ion	0.0140	0.0323	mg/L	V0
Nitrate Ion	0.0200	0.0841	mg/L	V0
Chloride Ion	0.0200	4.361	mg/L	V0
Sulphate Ion	0.0200	1.734	mg/L	V0
Phosphate Ion	0.0100	0.0103	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	221004834
Start Date:	2022-10-05 11:45	End Date:	2022-10-12 12:00	Duration:	168.3 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		536.9	mL	
Pluvio Total		7.82	mm	
Potential Hydrogen	0.01	6.11		V0
Bicarbonate (calc)		6.6	µeq/L	
Conductivity	0.9	4.3	µS/cm	V0
Conductivity (calc)		3.2	µS/cm	
Conductivity Difference		-25.9	%	V0
Sum Anions		13.9	µeq/L	
Sum Cations		32.0	µeq/L	
Total Ions		45.9	µeq/L	
Ion Balance		39.5	%	
Ion Difference		18.1	µeq/L	V0
Calcium Ion	0.0100	0.2398	mg/L	V0
Magnesium Ion	0.0040	0.0260	mg/L	V0
Potassium Ion	0.0060	0.0346	mg/L	V0
Sodium Ion	0.0080	0.0125	mg/L	V0
Ammonium Ion	0.0140	0.2828	mg/L	V0
Nitrate Ion	0.0200	0.2132	mg/L	V0
Chloride Ion	0.0200	0.0215	mg/L	V0
Sulphate Ion	0.0200	0.1554	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **221004835**
Start Date: **2022-10-05 13:45** End Date: **2022-10-12 13:15** Duration: **167.5 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		239.5	mL	
Pluvio Total		3.29	mm	
Potential Hydrogen	0.01	6.13		V0
Bicarbonate (calc)		6.9	µeq/L	
Conductivity	0.9	5.8	µS/cm	V0
Conductivity (calc)		4.5	µS/cm	
Conductivity Difference		-22.6	%	V0
Sum Anions		18.8	µeq/L	
Sum Cations		48.1	µeq/L	
Total Ions		66.9	µeq/L	
Ion Balance		43.9	%	
Ion Difference		29.4	µeq/L	V4
Calcium Ion	0.0100	0.4572	mg/L	V0
Magnesium Ion	0.0040	0.0755	mg/L	V0
Potassium Ion	0.0060	0.1038	mg/L	V0
Sodium Ion	0.0080	0.0118	mg/L	V0
Ammonium Ion	0.0140	0.2743	mg/L	V0
Nitrate Ion	0.0200	0.3271	mg/L	V0
Chloride Ion	0.0200	0.0262	mg/L	V0
Sulphate Ion	0.0200	0.2593	mg/L	V0
Phosphate Ion	0.0100	0.0466	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221004872
Start Date:	2022-10-11 12:00	End Date:	2022-10-18 10:40	Duration:	166.7 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		31.8	mL	
Pluvio Total		0.28	mm	
Potential Hydrogen	0.01	6.25		V0
Bicarbonate (calc)		9.1	µeq/L	
Conductivity	0.9	12.3	µS/cm	V0
Conductivity (calc)		11.2	µS/cm	
Conductivity Difference		-8.7	%	V0
Sum Anions		66.6	µeq/L	
Sum Cations		94.1	µeq/L	
Total Ions		160.7	µeq/L	
Ion Balance		17.1	%	V0
Ion Difference		27.5	µeq/L	
Calcium Ion	0.0100	0.6419	mg/L	V0
Magnesium Ion	0.0040	0.0824	mg/L	V0
Potassium Ion	0.0060	0.0622	mg/L	V0
Sodium Ion	0.0080	0.0376	mg/L	V0
Ammonium Ion	0.0140	0.9293	mg/L	V0
Nitrate Ion	0.0200	1.514	mg/L	V0
Chloride Ion	0.0200	0.1501	mg/L	V0
Sulphate Ion	0.0200	1.384	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-10-12 12:00**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-10-19 11:25**

Set Index: **1**
WBEA ID: **221004911**
Duration: **167.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		278.6	mL	
Pluvio Total		4.27	mm	
Potential Hydrogen	0.01	6.26		V0
Bicarbonate (calc)		9.3	µeq/L	
Conductivity	0.9	4.3	µS/cm	V0
Conductivity (calc)		3.2	µS/cm	
Conductivity Difference		-26.1	%	V0
Sum Anions		16.7	µeq/L	
Sum Cations		31.9	µeq/L	
Total Ions		48.5	µeq/L	
Ion Balance		31.4	%	
Ion Difference		15.2	µeq/L	V0
Calcium Ion	0.0100	0.3195	mg/L	V0
Magnesium Ion	0.0040	0.0329	mg/L	V0
Potassium Ion	0.0060	0.0121	mg/L	V0
Sodium Ion	0.0080	0.0182	mg/L	V0
Ammonium Ion	0.0140	0.2089	mg/L	V0
Nitrate Ion	0.0200	0.1507	mg/L	V0
Chloride Ion	0.0200	0.0289	mg/L	V0
Sulphate Ion	0.0200	0.1966	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **221004903**
Start Date: **2022-10-12 13:15** End Date: **2022-10-19 15:05** Duration: **169.8 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		85.9	mL	
Pluvio Total		1.23	mm	
Potential Hydrogen	0.01	6.97		V0
Bicarbonate (calc)		47.6	µeq/L	
Conductivity	0.9	23.4	µS/cm	V0
Conductivity (calc)		18.0	µS/cm	
Conductivity Difference		-23.1	%	V0
Sum Anions		83.0	µeq/L	
Sum Cations		218.9	µeq/L	
Total Ions		301.9	µeq/L	
Ion Balance		45.0	%	V4
Ion Difference		136.0	µeq/L	
Calcium Ion	0.0100	3.012	mg/L	V0
Magnesium Ion	0.0040	0.3761	mg/L	V0
Potassium Ion	0.0060	0.1062	mg/L	V0
Sodium Ion	0.0080	0.2277	mg/L	V0
Ammonium Ion	0.0140	0.4498	mg/L	V0
Nitrate Ion	0.0200	0.6548	mg/L	V0
Chloride Ion	0.0200	0.0899	mg/L	V0
Sulphate Ion	0.0200	1.068	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221004997
Start Date:	2022-10-18 10:40	End Date:	2022-10-25 09:00	Duration:	166.3 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		198.8	mL	
Pluvio Total		2.80	mm	
Potential Hydrogen	0.01	5.91		V0
Bicarbonate (calc)		4.1	µeq/L	
Conductivity	0.9	2.4	µS/cm	V0
Conductivity (calc)		1.9	µS/cm	
Conductivity Difference		-19.0	%	V0
Sum Anions		8.7	µeq/L	
Sum Cations		16.2	µeq/L	
Total Ions		24.9	µeq/L	
Ion Balance		29.9	%	
Ion Difference		7.4	µeq/L	V0
Calcium Ion	0.0100	0.1116	mg/L	V0
Magnesium Ion	0.0040	0.0133	mg/L	V0
Potassium Ion	0.0060	0.0174	mg/L	V0
Sodium Ion	0.0080	0.0126	mg/L	V0
Ammonium Ion	0.0140	0.1311	mg/L	V0
Nitrate Ion	0.0200	0.1295	mg/L	V0
Chloride Ion	0.0200	0.0220	mg/L	V0
Sulphate Ion	0.0200	0.0879	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-10-19 11:25**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-10-25 10:35**

Set Index: **1**
WBEA ID: **221005026**
Duration: **143.2 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		173.9	mL	
Pluvio Total		2.33	mm	
Potential Hydrogen	0.01	5.56		V0
Bicarbonate (calc)		1.9	µeq/L	
Conductivity	0.9	5.7	µS/cm	V0
Conductivity (calc)		5.4	µS/cm	
Conductivity Difference		-5.5	%	V0
Sum Anions		31.8	µeq/L	
Sum Cations		36.2	µeq/L	
Total Ions		68.0	µeq/L	
Ion Balance		6.4	%	
Ion Difference		4.4	µeq/L	V0
Calcium Ion	0.0100	0.4227	mg/L	V0
Magnesium Ion	0.0040	0.0518	mg/L	V0
Potassium Ion	0.0060	0.0139	mg/L	V0
Sodium Ion	0.0080	0.0177	mg/L	V0
Ammonium Ion	0.0140	0.1254	mg/L	V0
Nitrate Ion	0.0200	0.7918	mg/L	V0
Chloride Ion	0.0200	0.0369	mg/L	V0
Sulphate Ion	0.0200	0.7757	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **221005031**
Start Date: **2022-10-19 15:05** End Date: **2022-10-25 13:30** Duration: **142.4 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		237.6	mL	
Pluvio Total		3.41	mm	
Potential Hydrogen	0.01	6.64		V0
Bicarbonate (calc)		22.3	µeq/L	
Conductivity	0.9	12.4	µS/cm	V0
Conductivity (calc)		11.1	µS/cm	
Conductivity Difference		-10.3	%	V0
Sum Anions		70.9	µeq/L	
Sum Cations		103.5	µeq/L	
Total Ions		174.4	µeq/L	
Ion Balance		18.7	%	V0
Ion Difference		32.5	µeq/L	
Calcium Ion	0.0100	1.261	mg/L	V0
Magnesium Ion	0.0040	0.1625	mg/L	V0
Potassium Ion	0.0060	0.0232	mg/L	V0
Sodium Ion	0.0080	0.0720	mg/L	V0
Ammonium Ion	0.0140	0.4188	mg/L	V0
Nitrate Ion	0.0200	1.445	mg/L	V0
Chloride Ion	0.0200	0.0456	mg/L	V0
Sulphate Ion	0.0200	1.154	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221005210
Start Date:	2022-10-25 09:05	End Date:	2022-11-02 09:00	Duration:	191.9 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		301.1	mL	
Pluvio Total		4.41	mm	
Potential Hydrogen	0.01	5.5		V0
Bicarbonate (calc)		1.6	µeq/L	
Conductivity	0.9	5.3	µS/cm	V0
Conductivity (calc)		5.1	µS/cm	
Conductivity Difference		-4.5	%	V0
Sum Anions		29.1	µeq/L	
Sum Cations		31.5	µeq/L	
Total Ions		60.6	µeq/L	
Ion Balance		4.1	%	
Ion Difference		2.5	µeq/L	V0
Calcium Ion	0.0100	0.2332	mg/L	V0
Magnesium Ion	0.0040	0.0482	mg/L	V0
Potassium Ion	0.0060	0.0264	mg/L	V0
Sodium Ion	0.0080	0.0226	mg/L	V0
Ammonium Ion	0.0140	0.2005	mg/L	V0
Nitrate Ion	0.0200	0.9105	mg/L	V0
Chloride Ion	0.0200	0.0386	mg/L	V0
Sulphate Ion	0.0200	0.5589	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-10-25 10:35**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-11-02 12:30**

Set Index: **1**
WBEA ID: **221005220**
Duration: **193.9 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		387.2	mL	
Pluvio Total		7.43	mm	
Potential Hydrogen	0.01	6.74		V0
Bicarbonate (calc)		28.0	µeq/L	
Conductivity	0.9	12.9	µS/cm	V0
Conductivity (calc)		11.5	µS/cm	
Conductivity Difference		-11.2	%	V0
Sum Anions		74.8	µeq/L	
Sum Cations		109.8	µeq/L	
Total Ions		184.6	µeq/L	
Ion Balance		18.9	%	V0
Ion Difference		34.9	µeq/L	
Calcium Ion	0.0100	1.624	mg/L	V0
Magnesium Ion	0.0040	0.1737	mg/L	V0
Potassium Ion	0.0060	0.0253	mg/L	V0
Sodium Ion	0.0080	0.0743	mg/L	V0
Ammonium Ion	0.0140	0.1872	mg/L	V0
Nitrate Ion	0.0200	1.060	mg/L	V0
Chloride Ion	0.0200	0.0897	mg/L	V0
Sulphate Ion	0.0200	1.304	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221005238	
Start Date:	2022-10-25 13:30	End Date:	2022-11-02 14:45	Duration:	193.3 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		279.1	mL	
Pluvio Total		4.48	mm	
Potential Hydrogen	0.01	6.98		V0
Bicarbonate (calc)		48.7	µeq/L	
Conductivity	0.9	22.5	µS/cm	V0
Conductivity (calc)		18.0	µS/cm	
Conductivity Difference		-19.8	%	V0
Sum Anions		100.5	µeq/L	
Sum Cations		197.7	µeq/L	
Total Ions		298.2	µeq/L	
Ion Balance		32.6	%	V4
Ion Difference		97.1	µeq/L	
Calcium Ion	0.0100	3.064	mg/L	V0
Magnesium Ion	0.0040	0.2501	mg/L	V0
Potassium Ion	0.0060	0.0707	mg/L	V0
Sodium Ion	0.0080	0.0997	mg/L	V0
Ammonium Ion	0.0140	0.3235	mg/L	V0
Nitrate Ion	0.0200	1.051	mg/L	V0
Chloride Ion	0.0200	0.1105	mg/L	V0
Sulphate Ion	0.0200	1.524	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-11-02 09:05**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-11-09 10:10**

Set Index: **1**
WBEA ID: **221105320**
Duration: **169.1 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		168.2	mL	
Pluvio Total		0.79	mm	
Potential Hydrogen	0.01	6.46		V0
Bicarbonate (calc)		14.7	µeq/L	
Conductivity	0.9	5.3	µS/cm	V0
Conductivity (calc)		4.5	µS/cm	
Conductivity Difference		-15.6	%	V0
Sum Anions		30.2	µeq/L	
Sum Cations		43.7	µeq/L	
Total Ions		73.9	µeq/L	
Ion Balance		18.4	%	
Ion Difference		13.6	µeq/L	V0
Calcium Ion	0.0100	0.6596	mg/L	V0
Magnesium Ion	0.0040	0.0831	mg/L	V0
Potassium Ion	0.0060	0.0487	mg/L	V0
Sodium Ion	0.0080	0.0408	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.5718	mg/L	V0
Chloride Ion	0.0200	0.0579	mg/L	V0
Sulphate Ion	0.0200	0.2200	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-11-02 12:30**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-11-08 09:50**

Set Index: **1**
WBEA ID: **221105405**
Duration: **141.3 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		133.6	mL	
Pluvio Total		3.15	mm	
Potential Hydrogen	0.01	7.58		V0
Bicarbonate (calc)		193.9	µeq/L	
Conductivity	0.9	52.1	µS/cm	V0
Conductivity (calc)		39.0	µS/cm	
Conductivity Difference		-25.1	%	V4
Sum Anions		225.9	µeq/L	
Sum Cations		476.3	µeq/L	
Total Ions		702.2	µeq/L	
Ion Balance		35.7	%	V4
Ion Difference		250.5	µeq/L	
Calcium Ion	0.0100	8.02	mg/L	V0
Magnesium Ion	0.0040	0.8199	mg/L	V0
Potassium Ion	0.0060	0.0746	mg/L	V0
Sodium Ion	0.0080	0.0979	mg/L	V0
Ammonium Ion	0.0140	0.0446	mg/L	V0
Nitrate Ion	0.0200	0.7793	mg/L	V0
Chloride Ion	0.0200	0.0663	mg/L	V0
Sulphate Ion	0.0200	0.8421	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105384	
Start Date:	2022-11-02 14:45	End Date:	2022-11-08 14:35	Duration:	143.8 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		73.5	mL	
Pluvio Total		0.95	mm	
Potential Hydrogen	0.01	8.04		V0
Bicarbonate (calc)		559.2	µeq/L	
Conductivity	0.9	131.1	µS/cm	V0
Conductivity (calc)		106.3	µS/cm	
Conductivity Difference		-18.9	%	V0
Sum Anions		679.6	µeq/L	
Sum Cations		1223.8	µeq/L	
Total Ions		1903.4	µeq/L	
Ion Balance		28.6	%	V4
Ion Difference		544.3	µeq/L	
Calcium Ion	0.0100	21.65	mg/L	V0
Magnesium Ion	0.0040	0.8654	mg/L	V0
Potassium Ion	0.0060	0.6257	mg/L	V0
Sodium Ion	0.0080	1.295	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	1.671	mg/L	V0
Chloride Ion	0.0200	0.4973	mg/L	V0
Sulphate Ion	0.0200	3.812	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-11-08 09:55**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-11-15 10:15**

Set Index: **1**
WBEA ID: **221105425**
Duration: **168.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		105.2	mL	
Pluvio Total		2.03	mm	
Potential Hydrogen	0.01	7.12		V0
Bicarbonate (calc)		67.2	µeq/L	
Conductivity	0.9	21.7	µS/cm	V0
Conductivity (calc)		15.9	µS/cm	
Conductivity Difference		-26.7	%	V0
Sum Anions		92.4	µeq/L	
Sum Cations		188.6	µeq/L	
Total Ions		281.0	µeq/L	
Ion Balance		34.2	%	V4
Ion Difference		96.1	µeq/L	
Calcium Ion	0.0100	3.041	mg/L	V0
Magnesium Ion	0.0040	0.4111	mg/L	V0
Potassium Ion	0.0060	0.0348	mg/L	V0
Sodium Ion	0.0080	0.0259	mg/L	V0
Ammonium Ion	0.0140	0.0166	mg/L	V0
Nitrate Ion	0.0200	1.015	mg/L	V0
Chloride Ion	0.0200	0.0305	mg/L	V0
Sulphate Ion	0.0200	0.3823	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **221105459**
Start Date: **2022-11-08 14:35** End Date: **2022-11-15 15:25** Duration: **168.8 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		170.1	mL	
Pluvio Total		2.97	mm	
Potential Hydrogen	0.01	7.39		V0
Bicarbonate (calc)		125.2	µeq/L	
Conductivity	0.9	34.5	µS/cm	V0
Conductivity (calc)		26.7	µS/cm	
Conductivity Difference		-22.6	%	V4
Sum Anions		163.1	µeq/L	
Sum Cations		311.0	µeq/L	
Total Ions		474.1	µeq/L	
Ion Balance		31.2	%	V4
Ion Difference		147.9	µeq/L	
Calcium Ion	0.0100	5.24	mg/L	V0
Magnesium Ion	0.0040	0.4224	mg/L	V0
Potassium Ion	0.0060	0.0771	mg/L	V0
Sodium Ion	0.0080	0.2449	mg/L	V0
Ammonium Ion	0.0140	0.0377	mg/L	V0
Nitrate Ion	0.0200	0.9346	mg/L	V0
Chloride Ion	0.0200	0.1281	mg/L	V0
Sulphate Ion	0.0200	0.9216	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-11-09 10:10**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-11-16 15:00**

Set Index: **1**
WBEA ID: **221105475**
Duration: **172.8 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		237.4	mL	
Pluvio Total		4.34	mm	
Potential Hydrogen	0.01	5.04		V0
Bicarbonate (calc)		0.6	µeq/L	
Conductivity	0.9	5.1	µS/cm	V0
Conductivity (calc)		4.9	µS/cm	
Conductivity Difference		-3.2	%	V0
Sum Anions		16.5	µeq/L	
Sum Cations		18.5	µeq/L	
Total Ions		35.0	µeq/L	
Ion Balance		5.8	%	
Ion Difference		2.0	µeq/L	V0
Calcium Ion	0.0100	0.1086	mg/L	V0
Magnesium Ion	0.0040	0.0214	mg/L	V0
Potassium Ion	0.0060	0.0532	mg/L	V0
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.8395	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.0833	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-11-15 10:15**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-11-22 12:45**

Set Index: **1**
WBEA ID: **221105506**
Duration: **170.5 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		40.1	mL	
Pluvio Total		2.07	mm	
Potential Hydrogen	0.01	7.69		V0
Bicarbonate (calc)		249.8	µeq/L	
Conductivity	0.9	62.4	µS/cm	V0
Conductivity (calc)		45.1	µS/cm	
Conductivity Difference		-27.8	%	V4
Sum Anions		294.6	µeq/L	
Sum Cations		519.4	µeq/L	
Total Ions		814.0	µeq/L	
Ion Balance		27.6	%	V4
Ion Difference		224.8	µeq/L	
Calcium Ion	0.0100	8.829	mg/L	V0
Magnesium Ion	0.0040	0.8116	mg/L	V0
Potassium Ion	0.0060	0.1126	mg/L	V0
Sodium Ion	0.0080	0.2084	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.1988	mg/L	V0
Chloride Ion	0.0200	0.2126	mg/L	V0
Sulphate Ion	0.0200	1.708	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	Set Index: 1
Start Date:	2022-11-15 15:25	Loc ID: BGFM	WBEA ID: 221105537
		End Date: 2022-11-22 16:40	Duration: 169.3 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		26.3	mL	
Pluvio Total		0.60	mm	
Potential Hydrogen	0.01	7.53		V0
Bicarbonate (calc)		172.8	µeq/L	
Conductivity	0.9	46.3	µS/cm	V0
Conductivity (calc)		43.9	µS/cm	
Conductivity Difference		-5.1	%	V0
Sum Anions		237.4	µeq/L	
Sum Cations		533.2	µeq/L	
Total Ions		770.6	µeq/L	
Ion Balance		38.4	%	V4
Ion Difference		295.8	µeq/L	
Calcium Ion	0.0100	8.545	mg/L	V0
Magnesium Ion	0.0040	0.9237	mg/L	V0
Potassium Ion	0.0060	0.3247	mg/L	V0
Sodium Ion	0.0080	0.5152	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.1505	mg/L	V0
Chloride Ion	0.0200	0.5702	mg/L	V0
Sulphate Ion	0.0200	2.200	mg/L	V0
Phosphate Ion	0.0100	0.0238	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-11-16 15:00**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-11-22 13:10**

Set Index: **1**
WBEA ID: **221105577**
Duration: **142.2 hr**

Notes

Insufficient sample for analysis

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		3.9	mL	
Pluvio Total		0.06	mm	



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Wapasu** Loc ID: **WAPS** WBEA ID: **221105605**
Start Date: **2022-11-22 12:45** End Date: **2022-11-28 13:45** Duration: **145.0 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		675.6	mL	
Pluvio Total		16.31	mm	
Potential Hydrogen	0.01	6.18		V0
Bicarbonate (calc)		7.7	µeq/L	
Conductivity	0.9	4.1	µS/cm	V0
Conductivity (calc)		3.1	µS/cm	
Conductivity Difference		-23.9	%	V0
Sum Anions		15.4	µeq/L	
Sum Cations		34.5	µeq/L	
Total Ions		49.9	µeq/L	
Ion Balance		38.4	%	
Ion Difference		19.2	µeq/L	V0
Calcium Ion	0.0100	0.5073	mg/L	V0
Magnesium Ion	0.0040	0.0907	mg/L	V0
Potassium Ion	0.0060	0.0070	mg/L	V0
Sodium Ion	0.0080	0.0132	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.2133	mg/L	V0
Chloride Ion	0.0200	-8888	mg/L	V1
Sulphate Ion	0.0200	0.1739	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-11-22 13:10**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-11-29 15:05**

Set Index: **1**
WBEA ID: **221105607**
Duration: **169.9 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		522.7	mL	
Pluvio Total		8.99	mm	
Potential Hydrogen	0.01	5.34		V0
Bicarbonate (calc)		1.1	µeq/L	
Conductivity	0.9	3.8	µS/cm	V0
Conductivity (calc)		3.6	µS/cm	
Conductivity Difference		-6.3	%	V0
Sum Anions		15.9	µeq/L	
Sum Cations		18.0	µeq/L	
Total Ions		33.9	µeq/L	
Ion Balance		6.1	%	
Ion Difference		2.1	µeq/L	V0
Calcium Ion	0.0100	0.1533	mg/L	V0
Magnesium Ion	0.0040	0.0297	mg/L	V0
Potassium Ion	0.0060	0.0244	mg/L	V0
Sodium Ion	0.0080	0.0258	mg/L	V0
Ammonium Ion	0.0140	0.0284	mg/L	V0
Nitrate Ion	0.0200	0.4924	mg/L	V0
Chloride Ion	0.0200	0.0406	mg/L	V0
Sulphate Ion	0.0200	0.2691	mg/L	V0
Phosphate Ion	0.0100	0.0101	mg/L	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Set Index: 1
Location:	Bertha Ganter - Fort McKay	Samp Use: Exposure	WBEA ID: 221105613
Start Date:	2022-11-22 16:40	Loc ID: BGFM	Duration: 144.5 hr
		End Date: 2022-11-28 17:10	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		575.7	mL	
Pluvio Total		12.90	mm	
Potential Hydrogen	0.01	6.57		V0
Bicarbonate (calc)		18.9	µeq/L	
Conductivity	0.9	6.7	µS/cm	V0
Conductivity (calc)		5.3	µS/cm	
Conductivity Difference		-20.8	%	V0
Sum Anions		31.8	µeq/L	
Sum Cations		57.6	µeq/L	
Total Ions		89.4	µeq/L	
Ion Balance		28.9	%	
Ion Difference		25.9	µeq/L	V4
Calcium Ion	0.0100	0.9442	mg/L	V0
Magnesium Ion	0.0040	0.0783	mg/L	V0
Potassium Ion	0.0060	0.0164	mg/L	V0
Sodium Ion	0.0080	0.0314	mg/L	V0
Ammonium Ion	0.0140	0.0367	mg/L	V0
Nitrate Ion	0.0200	0.3501	mg/L	V0
Chloride Ion	0.0200	0.0308	mg/L	V0
Sulphate Ion	0.0200	0.3019	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-11-28 13:45**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-12-06 12:00**

Set Index: **1**
WBEA ID: **221105709**
Duration: **190.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		153.5	mL	
Pluvio Total		5.02	mm	
Potential Hydrogen	0.01	6.99		V0
Bicarbonate (calc)		49.8	µeq/L	
Conductivity	0.9	22.6	µS/cm	V0
Conductivity (calc)		16.9	µS/cm	
Conductivity Difference		-25.4	%	V0
Sum Anions		81.7	µeq/L	
Sum Cations		209.3	µeq/L	
Total Ions		291.0	µeq/L	
Ion Balance		43.9	%	V4
Ion Difference		127.6	µeq/L	
Calcium Ion	0.0100	3.166	mg/L	V0
Magnesium Ion	0.0040	0.4898	mg/L	V0
Potassium Ion	0.0060	0.0499	mg/L	V0
Sodium Ion	0.0080	0.1660	mg/L	V0
Ammonium Ion	0.0140	0.0431	mg/L	V0
Nitrate Ion	0.0200	0.5555	mg/L	V0
Chloride Ion	0.0200	0.2227	mg/L	V0
Sulphate Ion	0.0200	0.7960	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: PRECIP - NADP Samp Use: Exposure Set Index: 1
Location: Bertha Ganter - Fort McKay Loc ID: BGFM WBEA ID: 221105746
Start Date: 2022-11-28 17:10 End Date: 2022-12-06 16:20 Duration: 191.2 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		55.9	mL	
Pluvio Total		0.61	mm	
Potential Hydrogen	0.01	7.49		V0
Bicarbonate (calc)		157.6	µeq/L	
Conductivity	0.9	58.3	µS/cm	V0
Conductivity (calc)		41.4	µS/cm	
Conductivity Difference		-28.9	%	V4
Sum Anions		226.9	µeq/L	
Sum Cations		498.7	µeq/L	
Total Ions		725.6	µeq/L	
Ion Balance		37.5	%	V4
Ion Difference		271.8	µeq/L	
Calcium Ion	0.0100	7.666	mg/L	V0
Magnesium Ion	0.0040	0.8699	mg/L	V0
Potassium Ion	0.0060	0.3356	mg/L	V0
Sodium Ion	0.0080	0.7608	mg/L	V0
Ammonium Ion	0.0140	0.0520	mg/L	V0
Nitrate Ion	0.0200	1.115	mg/L	V0
Chloride Ion	0.0200	0.3387	mg/L	V0
Sulphate Ion	0.0200	2.003	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221105761
Start Date:	2022-11-29 15:05	End Date:	2022-12-05 13:10	Duration:	142.1 hr

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		297	mL	
Pluvio Total		4.63	mm	
Potential Hydrogen	0.01	5.85		V0
Bicarbonate (calc)		3.6	µeq/L	
Conductivity	0.9	2.6	µS/cm	V0
Conductivity (calc)		2.0	µS/cm	
Conductivity Difference		-22.8	%	V0
Sum Anions		11.9	µeq/L	
Sum Cations		13.6	µeq/L	
Total Ions		25.6	µeq/L	
Ion Balance		6.8	%	
Ion Difference		1.7	µeq/L	V0
Calcium Ion	0.0100	0.1507	mg/L	V0
Magnesium Ion	0.0040	0.0255	mg/L	V0
Potassium Ion	0.0060	0.0373	mg/L	V0
Sodium Ion	0.0080	0.0217	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.2435	mg/L	V0
Chloride Ion	0.0200	0.0440	mg/L	V0
Sulphate Ion	0.0200	0.1490	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-12-05 13:10**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-12-12 12:30**

Set Index: **1**
WBEA ID: **221205847**
Duration: **167.3 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		299.4	mL	
Pluvio Total		4.15	mm	
Potential Hydrogen	0.01	4.93		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	5.6	µS/cm	V0
Conductivity (calc)		5.6	µS/cm	
Conductivity Difference		-0.9	%	V0
Sum Anions		15.2	µeq/L	
Sum Cations		17.2	µeq/L	
Total Ions		32.4	µeq/L	
Ion Balance		6.0	%	
Ion Difference		1.9	µeq/L	V0
Calcium Ion	0.0100	0.0440	mg/L	V0
Magnesium Ion	0.0040	0.0069	mg/L	V0
Potassium Ion	0.0060	0.0128	mg/L	V0
Sodium Ion	0.0080	0.0091	mg/L	V0
Ammonium Ion	0.0140	0.0347	mg/L	V0
Nitrate Ion	0.0200	0.7270	mg/L	V0
Chloride Ion	0.0200	0.0294	mg/L	V0
Sulphate Ion	0.0200	0.1042	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-12-06 12:00**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-12-14 12:00**

Set Index: **1**
WBEA ID: **221205863**
Duration: **192.0 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		194.2	mL	
Pluvio Total		3.49	mm	
Potential Hydrogen	0.01	4.9		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	9.1	µS/cm	V0
Conductivity (calc)		8.8	µS/cm	
Conductivity Difference		-3.0	%	V0
Sum Anions		37.6	µeq/L	
Sum Cations		39.4	µeq/L	
Total Ions		77.0	µeq/L	
Ion Balance		2.3	%	
Ion Difference		1.8	µeq/L	V0
Calcium Ion	0.0100	0.3750	mg/L	V0
Magnesium Ion	0.0040	0.0581	mg/L	V0
Potassium Ion	0.0060	0.0137	mg/L	V0
Sodium Ion	0.0080	0.0259	mg/L	V0
Ammonium Ion	0.0140	0.0328	mg/L	V0
Nitrate Ion	0.0200	1.063	mg/L	V0
Chloride Ion	0.0200	0.0415	mg/L	V0
Sulphate Ion	0.0200	0.9031	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **221205885**
Start Date: **2022-12-06 16:20** End Date: **2022-12-14 15:20** Duration: **191.0 hr**

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		217.5	mL	
Pluvio Total		4.05	mm	
Potential Hydrogen	0.01	6.91		V0
Bicarbonate (calc)		41.5	µeq/L	
Conductivity	0.9	17.3	µS/cm	V0
Conductivity (calc)		14.1	µS/cm	
Conductivity Difference		-18.5	%	V0
Sum Anions		92.2	µeq/L	
Sum Cations		144.3	µeq/L	
Total Ions		236.5	µeq/L	
Ion Balance		22.0	%	V4
Ion Difference		52.1	µeq/L	
Calcium Ion	0.0100	2.072	mg/L	V0
Magnesium Ion	0.0040	0.3669	mg/L	V0
Potassium Ion	0.0060	0.0823	mg/L	V0
Sodium Ion	0.0080	0.1976	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	1.105	mg/L	V0
Chloride Ion	0.0200	0.1269	mg/L	V0
Sulphate Ion	0.0200	1.405	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Stony Mountain**
Start Date: **2022-12-12 12:30**

Samp Use: **Exposure**
Loc ID: **STMT**
End Date: **2022-12-20 14:20**

Set Index: **1**
WBEA ID: **221205943**
Duration: **193.8 hr**

Notes

Bucket completely full of snow upon collection of the sample.

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		792.4	mL	
Pluvio Total		12.75	mm	
Potential Hydrogen	0.01	4.84		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	6.4	µS/cm	V0
Conductivity (calc)		6.5	µS/cm	
Conductivity Difference		2.2	%	V0
Sum Anions		16.5	µeq/L	
Sum Cations		18.6	µeq/L	
Total Ions		35.1	µeq/L	
Ion Balance		5.8	%	
Ion Difference		2.0	µeq/L	V0
Calcium Ion	0.0100	0.0408	mg/L	V0
Magnesium Ion	0.0040	0.0057	mg/L	V0
Potassium Ion	0.0060	0.0126	mg/L	V0
Sodium Ion	0.0080	0.0195	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.4567	mg/L	V0
Chloride Ion	0.0200	0.0675	mg/L	V0
Sulphate Ion	0.0200	0.3307	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP**
Location: **Wapasu**
Start Date: **2022-12-14 12:00**

Samp Use: **Exposure**
Loc ID: **WAPS**
End Date: **2022-12-21 13:05**

Set Index: **1**
WBEA ID: **221205996**
Duration: **169.1 hr**

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		275.6	mL	
Pluvio Total		4.15	mm	
Potential Hydrogen	0.01	5.11		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	3.9	µS/cm	V0
Conductivity (calc)		3.8	µS/cm	
Conductivity Difference		-2.0	%	V0
Sum Anions		11.1	µeq/L	
Sum Cations		12.9	µeq/L	
Total Ions		24.0	µeq/L	
Ion Balance		7.7	%	
Ion Difference		1.8	µeq/L	V0
Calcium Ion	0.0100	0.0556	mg/L	V0
Magnesium Ion	0.0040	0.0109	mg/L	V0
Potassium Ion	0.0060	0.0067	mg/L	V0
Sodium Ion	0.0080	0.0265	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.2615	mg/L	V0
Chloride Ion	0.0200	0.1432	mg/L	V0
Sulphate Ion	0.0200	0.1023	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Sample Type:	PRECIP - NADP	Deployment Information	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221205977	
Start Date:	2022-12-14 15:20	End Date:	2022-12-21 15:00	Duration:	167.7 hr	

Notes

None

Parameter	MDL	Value	Unit	Data
				Flag
Precipitation Volume		291.9	mL	
Pluvio Total		6.20	mm	
Potential Hydrogen	0.01	7.06		V0
Bicarbonate (calc)		58.6	µeq/L	
Conductivity	0.9	14.8	µS/cm	V0
Conductivity (calc)		12.6	µS/cm	
Conductivity Difference		-14.8	%	V0
Sum Anions		82.7	µeq/L	
Sum Cations		140.0	µeq/L	
Total Ions		222.7	µeq/L	
Ion Balance		25.7	%	V4
Ion Difference		57.3	µeq/L	
Calcium Ion	0.0100	2.056	mg/L	V0
Magnesium Ion	0.0040	0.3450	mg/L	V0
Potassium Ion	0.0060	0.0851	mg/L	V0
Sodium Ion	0.0080	0.1573	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.2442	mg/L	V0
Chloride Ion	0.0200	0.2404	mg/L	V0
Sulphate Ion	0.0200	0.6428	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Stony Mountain	Loc ID:	STMT	WBEA ID:	221206073
Start Date:	2022-12-20 14:20	End Date:	2023-01-04 12:50	Duration:	358.5 hr

Notes

Sample left out for a longer duration than usual due to lack of supplies from NADP.
Sample was weighed at the WBEA centre and showed a similar precipitation amount to that of the pluvio over the two week sample period.

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		1183.5	mL	
Pluvio Total		18.55	mm	
Potential Hydrogen	0.01	5.16		V0
Bicarbonate (calc)		0.7	µeq/L	
Conductivity	0.9	3.4	µS/cm	V0
Conductivity (calc)		3.2	µS/cm	
Conductivity Difference		-5.9	%	V0
Sum Anions		8.5	µeq/L	
Sum Cations		9.6	µeq/L	
Total Ions		18.1	µeq/L	
Ion Balance		6.1	%	
Ion Difference		1.1	µeq/L	V0
Calcium Ion	0.0100	0.0160	mg/L	V0
Magnesium Ion	0.0040	-8888	mg/L	V1
Potassium Ion	0.0060	-8888	mg/L	V1
Sodium Ion	0.0080	-8888	mg/L	V1
Ammonium Ion	0.0140	0.0217	mg/L	V0
Nitrate Ion	0.0200	0.3256	mg/L	V0
Chloride Ion	0.0200	0.0253	mg/L	V0
Sulphate Ion	0.0200	0.0856	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	PRECIP - NADP	Samp Use:	Exposure	Set Index:	1
Location:	Wapasu	Loc ID:	WAPS	WBEA ID:	221206091
Start Date:	2022-12-21 13:05	End Date:	2023-01-04 10:00	Duration:	332.9 hr

Notes

Sample left out for a longer duration than usual due to lack of supplies from NADP.
Sample was weighed at the WBEA centre and showed a similar precipitation amount to that of the pluvio over the two week sample period.

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		229.5	mL	
Pluvio Total		3.66	mm	
Potential Hydrogen	0.01	4.9		V0
Bicarbonate (calc)		0.4	µeq/L	
Conductivity	0.9	5.9	µS/cm	V0
Conductivity (calc)		6.0	µS/cm	
Conductivity Difference		1.1	%	V0
Sum Anions		16.8	µeq/L	
Sum Cations		18.4	µeq/L	
Total Ions		35.2	µeq/L	
Ion Balance		4.6	%	
Ion Difference		1.6	µeq/L	V0
Calcium Ion	0.0100	0.0681	mg/L	V0
Magnesium Ion	0.0040	0.0126	mg/L	V0
Potassium Ion	0.0060	-8888	mg/L	V1
Sodium Ion	0.0080	0.0145	mg/L	V0
Ammonium Ion	0.0140	-8888	mg/L	V1
Nitrate Ion	0.0200	0.7263	mg/L	V0
Chloride Ion	0.0200	0.0383	mg/L	V0
Sulphate Ion	0.0200	0.1684	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: **PRECIP - NADP** Samp Use: **Exposure** Set Index: **1**
Location: **Bertha Ganter - Fort McKay** Loc ID: **BGFM** WBEA ID: **221206093**
Start Date: **2022-12-21 15:00** End Date: **2023-01-04 13:55** Duration: **334.9 hr**

Notes

Sample left out for a longer duration than usual due to lack of supplies from NADP.
Sample was weighed at the WBEA centre and showed a similar precipitation amount to that of the pluvio over the two week sample period.

Data

Parameter	MDL	Value	Unit	Flag
Precipitation Volume		324	mL	
Pluvio Total		4.78	mm	
Potential Hydrogen	0.01	6.18		V0
Bicarbonate (calc)		7.7	µeq/L	
Conductivity	0.9	6.3	µS/cm	V0
Conductivity (calc)		5.7	µS/cm	
Conductivity Difference		-10.1	%	V0
Sum Anions		39.2	µeq/L	
Sum Cations		48.0	µeq/L	
Total Ions		87.2	µeq/L	
Ion Balance		10.1	%	
Ion Difference		8.8	µeq/L	V0
Calcium Ion	0.0100	0.7235	mg/L	V0
Magnesium Ion	0.0040	0.0930	mg/L	V0
Potassium Ion	0.0060	0.0173	mg/L	V0
Sodium Ion	0.0080	0.0499	mg/L	V0
Ammonium Ion	0.0140	0.0179	mg/L	V0
Nitrate Ion	0.0200	1.335	mg/L	V0
Chloride Ion	0.0200	0.0735	mg/L	V0
Sulphate Ion	0.0200	0.3762	mg/L	V0
Phosphate Ion	0.0100	-8888	mg/L	V1



WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

DUSTFALL DATA RESULTS 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

Dustfall: Air Zone One Incorporated
Mississauga, Ontario



CONTENTS DESCRIPTION	Annual Results of Dustfall – Settleable Particulate Matter
SAMPLE PERIOD	1 Month
SAMPLING INTERVAL	Monthly
UNITS	mg/100 cm ² (milligram per 100 centimeters squared)
OBSERVATION TYPE	Settleable particulate matter
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Open jar on pedestal with wind shield
MEDIUM	High-density polyethylene jar
ANALYTICAL METHOD	Mass by microbalance
SAMPLE PREPARATION	Filter equilibration
ANALYTICAL LABORATORY	AIRZONE One Inc.
USER NOTE 1	Data are not lab blank nor field blank corrected.
USER NOTE 2	Summary statistics include data with flags beginning with V.
USER NOTE 3	Values flagged V1 are displayed as -8888
SAMPLING INSTRUMENT TYPE	Tisch TE-1000 High-Volume Sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: Dustfall
Location: Laboratory
Start Date: 2022-11-01 00:00

Samp Use: Lab Prep Blank
Loc ID: -1
End Date: 2022-12-01 00:00

Set Index: 1
WBEA ID: 0
Duration: 720.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	4.98	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Settleable Particulate Matter	4	4.98	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Conklin	Loc ID:	CONK	WBEA ID:	221105327
Start Date:	2022-11-02 10:15	End Date:	2022-11-29 16:30	Duration:	654.3 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Insoluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Settleable Particulate Matter	4	-8888	mg/100cm ²	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF1	Loc ID:	-1	WBEA ID:	221005310
Start Date:	2022-11-02 10:30	End Date:	2022-11-30 15:15	Duration:	676.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Insoluble Settleable Particulate Matter	4	16.810	mg/100cm ²	V0
Settleable Particulate Matter	4	16.8	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105338
Start Date:	2022-11-02 11:35	End Date:	2022-11-29 13:20	Duration:	649.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Insoluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Settleable Particulate Matter	4	-8888	mg/100cm ²	V1



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF3	Loc ID:	-1	WBEA ID:	221005312
Start Date:	2022-11-02 11:45	End Date:	2022-11-30 15:40	Duration:	675.9 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	5.5066	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	38.140	mg/100cm ²	V0
Settleable Particulate Matter	4	43.6	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF4	Loc ID:	-1	WBEA ID:	221005313
Start Date:	2022-11-02 11:55	End Date:	2022-11-30 15:50	Duration:	675.9 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	12.230	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	52.573	mg/100cm ²	V0
Settleable Particulate Matter	4	64.8	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF5	Loc ID:	-1	WBEA ID:	221005314
Start Date:	2022-11-02 11:55	End Date:	2022-11-30 16:05	Duration:	676.2 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	27.823	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	61.732	mg/100cm ²	V0
Settleable Particulate Matter	4	89.6	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF2	Loc ID:	-1	WBEA ID:	221005311
Start Date:	2022-11-02 12:10	End Date:	2022-11-30 14:55	Duration:	674.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	4.2314	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	52.631	mg/100cm ²	V0
Settleable Particulate Matter	4	56.9	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: Dustfall
Location: Anzac
Start Date: 2022-11-02 13:10

Samp Use: Exposure
Loc ID: ANZC
End Date: 2022-11-29 18:30

Set Index: 1
WBEA ID: 221105348
Duration: 653.3 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Insoluble Settleable Particulate Matter	4	8.7525	mg/100cm ²	V0
Settleable Particulate Matter	4	8.75	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105379
Start Date:	2022-11-02 14:10	End Date:	2022-11-28 17:00	Duration:	626.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	10.202	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	54.080	mg/100cm ²	V0
Settleable Particulate Matter	4	64.3	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: Dustfall
Location: Athabasca Valley
Start Date: 2022-11-02 15:20

Samp Use: Exposure
Loc ID: ATHV
End Date: 2022-11-29 09:30

Set Index: 1
WBEA ID: 221105389
Duration: 642.2 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	9.3902	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	14.259	mg/100cm ²	V0
Settleable Particulate Matter	4	23.6	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: Dustfall
Location: Patricia McInnes
Start Date: 2022-11-02 16:20

Samp Use: Exposure
Loc ID: PATM
End Date: 2022-11-29 09:05

Set Index: 1
WBEA ID: 221105398
Duration: 640.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	4.5791	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	7.4194	mg/100cm ²	V0
Settleable Particulate Matter	4	12.0	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105748
Start Date:	2022-11-28 17:00	End Date:	2023-01-03 11:50	Duration:	858.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	14.375	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	24.403	mg/100cm ²	V0
Settleable Particulate Matter	4	38.8	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	2
Location:	Bertha Ganter - Fort McKay	Loc ID:	BGFM	WBEA ID:	221105749
Start Date:	2022-11-28 17:00	End Date:	2023-01-03 11:50	Duration:	858.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	9.0424	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	87.989	mg/100cm ²	V0
Settleable Particulate Matter	4	97.0	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Patricia McInnes	Loc ID:	PATM	WBEA ID:	221105750
Start Date:	2022-11-29 09:05	End Date:	2023-01-04 08:45	Duration:	863.7 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Insoluble Settleable Particulate Matter	4	14.143	mg/100cm ²	V0
Settleable Particulate Matter	4	14.1	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: Dustfall
Location: Athabasca Valley
Start Date: 2022-11-29 09:30

Samp Use: Exposure
Loc ID: ATHV
End Date: 2023-01-05 15:40

Set Index: 1
WBEA ID: 221105751
Duration: 894.2 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	6.4920	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	13.100	mg/100cm ²	V0
Settleable Particulate Matter	4	19.6	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Janvier	Loc ID:	JANV	WBEA ID:	221105756
Start Date:	2022-11-29 13:20	End Date:	2023-01-04 11:15	Duration:	861.9 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	4.2603	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	17.650	mg/100cm ²	V0
Settleable Particulate Matter	4	21.9	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: Dustfall
Location: Conklin
Start Date: 2022-11-29 16:30

Samp Use: Exposure
Loc ID: CONK
End Date: 2023-01-04 14:45

Set Index: 1
WBEA ID: 221105773
Duration: 862.3 hr

Notes

Upon collection of the sample, jar was completely full of snow.

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	4.7472	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	22.380	mg/100cm ²	V0
Settleable Particulate Matter	4	27.1	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: Dustfall
Location: Anzac
Start Date: 2022-11-29 18:30

Samp Use: Exposure
Loc ID: ANZC
End Date: 2023-01-05 14:30

Set Index: 1
WBEA ID: 221105782
Duration: 884.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Insoluble Settleable Particulate Matter	4	16.073	mg/100cm ²	V0
Settleable Particulate Matter	4	16.1	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF2	Loc ID:	-1	WBEA ID:	221105813
Start Date:	2022-11-30 14:55	End Date:	2023-01-03 09:40	Duration:	810.8 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	4.6951	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	53.964	mg/100cm ²	V0
Settleable Particulate Matter	4	58.7	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF1	Loc ID:	-1	WBEA ID:	221105812
Start Date:	2022-11-30 15:15	End Date:	2023-01-03 09:10	Duration:	809.9 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	6.6079	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	44.168	mg/100cm ²	V0
Settleable Particulate Matter	4	50.8	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF3	Loc ID:	-1	WBEA ID:	221105814
Start Date:	2022-11-30 15:40	End Date:	2023-01-03 10:50	Duration:	811.2 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	4.2314	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	30.025	mg/100cm ²	V0
Settleable Particulate Matter	4	34.3	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF4	Loc ID:	-1	WBEA ID:	221105815
Start Date:	2022-11-30 15:50	End Date:	2023-01-03 11:00	Duration:	811.2 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	21.099	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	45.734	mg/100cm ²	V0
Settleable Particulate Matter	4	66.8	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	Dustfall	Samp Use:	Exposure	Set Index:	1
Location:	Canadian Natural DF5	Loc ID:	-1	WBEA ID:	221105816
Start Date:	2022-11-30 16:05	End Date:	2023-01-03 11:10	Duration:	811.1 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	21.621	mg/100cm ²	V0
Insoluble Settleable Particulate Matter	4	52.921	mg/100cm ²	V0
Settleable Particulate Matter	4	74.5	mg/100cm ²	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: Dustfall
Location: Laboratory
Start Date: 2022-12-01 00:00

Samp Use: Lab Prep Blank
Loc ID: -1
End Date: 2023-01-01 00:00

Set Index: 1
WBEA ID: 0
Duration: 744.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Soluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Insoluble Settleable Particulate Matter	4	-8888	mg/100cm ²	V1
Settleable Particulate Matter	4	-8888	mg/100cm ²	V1



WOOD BUFFALO ENVIRONMENTAL ASSOCIATION

INTEGRATED MONITORING PROGRAM ANNUAL REPORT

TOTAL SUSPENDED PARTICULATE DATA RESULTS 2022

Prepared
March 2023

SAMPLE COLLECTION AND DATA COMPILATION BY:

Wood Buffalo Environmental Association
Fort McMurray, Alberta

LABORATORY ANALYSIS BY:

Total Suspended Particulate: WBEA Analytical Services Group
Fort McMurray, Alberta



CONTENTS DESCRIPTION	Annual Results of TSP – Total Suspended Particulates
SAMPLE PERIOD	24 hours
SAMPLING INTERVAL	Once every 6 days
UNITS	µg/m ³ (micrograms per cubic meter)
OBSERVATION TYPE	Airborne particulate matter
FIELD SAMPLING OR MEASUREMENT PRINCIPLE	Filtration with high volume air sampler for total suspended particulates
MEDIUM	8" by 10" glass fiber filter
ANALYTICAL METHOD	Mass by microbalance
SAMPLE PREPARATION	Filter equilibration
ANALYTICAL LABORATORY	WBEA Analytical Services Group
USER NOTE 1	Data are not blank nor field corrected
USER NOTE 2	Volume is given at actual conditions of temperature and pressure during sampling as measured by the sampler
USER NOTE 3	Summary statistics include data with flags beginning with V.
USER NOTE 4	Values flagged V1 are displayed as -8888
VOLUME STANDARDIZATION	Expected actual volume of sampler
SAMPLING INSTRUMENT TYPE	TSP High Volume Air Sampler
FLAGS USED	
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination
V6	Valid value but qualified due to non-standard sampling conditions
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-09-02 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-09-03 00:00

Set Index: 1
WBEA ID: 220904330
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1682.7	m ³	V0
Temperature		16.8	°C	
Pressure		730.8	mmHg	
Particulate Matter		41.7	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904418
Start Date:	2022-09-08 00:00	End Date:	2022-09-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1672.8	m ³	V0
Temperature		12.4	°C	
Pressure		732.3	mmHg	
Particulate Matter		11.5	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-09-14 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-09-15 00:00

Set Index: 1
WBEA ID: 220904431
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1676.8	m ³	V0
Temperature		14.4	°C	
Pressure		731.6	mmHg	
Particulate Matter		45.2	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-09-20 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-09-21 00:00

Set Index: 1
WBEA ID: 220904520
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1664.9	m ³	V0
Temperature		8.9	°C	
Pressure		736.6	mmHg	
Particulate Matter		14.0	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	220904602
Start Date:	2022-09-26 00:00	End Date:	2022-09-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1671.5	m ³	V0
Temperature		12.0	°C	
Pressure		735.8	mmHg	
Particulate Matter		40.1	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-10-02 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-10-03 00:00

Set Index: 1
WBEA ID: 220904730
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1675.9	m ³	V0
Temperature		13.8	°C	
Pressure		732.2	mmHg	
Particulate Matter		34.2	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221004847
Start Date:	2022-10-08 00:00	End Date:	2022-10-09 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1667.2	m ³	V0
Temperature		11.2	°C	
Pressure		735.9	mmHg	
Particulate Matter		70.3	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-10-14 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-10-15 00:00

Set Index: 1
WBEA ID: 221004927
Duration: 24.0 hr

Notes

Lab Note: Received from dep, rip down the middle, noticeable circle pattern of flow.

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		1645.7	m ³	V0
Temperature		2.9	°C	
Pressure		731.9	mmHg	
Particulate Matter		92.6	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221004971
Start Date:	2022-10-20 00:00	End Date:	2022-10-21 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1669.7	m ³	V0
Temperature		12.1	°C	
Pressure		723.0	mmHg	
Particulate Matter		20.3	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221005082
Start Date:	2022-10-26 00:00	End Date:	2022-10-27 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1646.7	m ³	V0
Temperature		2.5	°C	
Pressure		722.5	mmHg	
Particulate Matter		9.9	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221005279
Start Date:	2022-10-27 13:01	End Date:	2022-10-27 13:02	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter		0.5	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-11-01 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-11-02 00:00

Set Index: 1
WBEA ID: 221005280
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1637.8	m ³	V0
Temperature		-0.2	°C	
Pressure		730.4	mmHg	
Particulate Matter		63.7	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105336
Start Date:	2022-11-07 00:00	End Date:	2022-11-08 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1599.9	m ³	V0
Temperature		-15.0	°C	
Pressure		751.2	mmHg	
Particulate Matter		87.0	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-11-13 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-11-14 00:00

Set Index: 1
WBEA ID: 221105436
Duration: 24.0 hr

Notes

Lab Note: Large tear through middle of filter

Parameter	MDL	Value	Unit	Data
				Flag
Sample Volume		1637.2	m ³	V0
Temperature		-2.0	°C	
Pressure		734.2	mmHg	
Particulate Matter		27.7	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-11-19 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-11-20 00:00

Set Index: 1
WBEA ID: 221105509
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1625.9	m ³	V0
Temperature		-6.2	°C	
Pressure		731.1	mmHg	
Particulate Matter		43.6	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-11-25 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-11-26 00:00

Set Index: 1
WBEA ID: 221105653
Duration: 24.0 hr

Notes

Lab Note: Filter was wet upon receipt from field measuring > 5 g, equilibrated for 24 hours and remeasured

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1650.1	m ³	V0
Temperature		3.7	°C	
Pressure		722.5	mmHg	
Particulate Matter		12.9	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105805
Start Date:	2022-11-30 14:10	End Date:	2022-11-30 14:11	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter		1.9	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221105807
Start Date:	2022-12-01 00:00	End Date:	2022-12-02 00:00	Duration:	24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1580.1	m ³	V0
Temperature		-26.0	°C	
Pressure		732.3	mmHg	
Particulate Matter		17.9	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type: TSP Filter
Location: Ells River
Start Date: 2022-12-07 00:00

Samp Use: Exposure
Loc ID: ELSR
End Date: 2022-12-08 00:00

Set Index: 1
WBEA ID: 221205889
Duration: 24.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1571.3	m ³	V0
Temperature		-27.0	°C	
Pressure		727.7	mmHg	
Particulate Matter		52.7	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Field Procedure Blank	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221205935
Start Date:	2022-12-09 09:20	End Date:	2022-12-09 09:21	Duration:	0.0 hr

Notes

None

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		0.0	m ³	V0
Particulate Matter		0.6	µg/m ³	V0



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221205936
Start Date:	2022-12-13 00:00	End Date:	2022-12-14 00:00	Duration:	24.0 hr

Notes

Sample identified by lab as having low mass. Investigation found it is likely the result of a dead/failing motor.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1663.0	m ³	V6
Temperature		-10.0	°C	
Pressure		728.4	mmHg	
Particulate Matter		5.9	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221205974
Start Date:	2022-12-19 00:00	End Date:	2022-12-20 00:00	Duration:	24.0 hr

Notes

Sample identified by lab as having low mass. Investigation found it is likely the result of a dead/failing motor. Snow found on filter upon collection of the sample.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1627.8	m ³	V6
Temperature		-24.0	°C	
Pressure		747.8	mmHg	
Particulate Matter		-1.6	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221206126
Start Date:	2022-12-25 00:00	End Date:	2022-12-26 00:00	Duration:	24.0 hr

Notes

Sample identified by lab as having low mass. Investigation found it is likely the result of a dead/failing motor.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1630.3	m ³	V6
Temperature		-23.0	°C	
Pressure		735.8	mmHg	
Particulate Matter		1.3	µg/m ³	V6



Wood Buffalo Environmental Association

Time Integrated Sample Report

Deployment Information

Sample Type:	TSP Filter	Samp Use:	Exposure	Set Index:	1
Location:	Ells River	Loc ID:	ELSR	WBEA ID:	221206206
Start Date:	2022-12-31 00:00	End Date:	2023-01-01 00:00	Duration:	24.0 hr

Notes

Sample identified by lab as having low mass. Investigation found it is likely the result of a dead/failing motor.

Data

Parameter	MDL	Value	Unit	Flag
Sample Volume		1671.9	m ³	V6
Temperature		-9.3	°C	
Pressure		719.3	mmHg	
Particulate Matter		1.9	µg/m ³	V6



End of Report