



Job Posting – QA/QC Chemist Technician

Wood Buffalo Environmental Association

The Wood Buffalo Environmental Association (WBEA) monitors the environment of the Regional Municipality of Wood Buffalo in north-eastern Alberta. Our environmental monitoring work is the most integrated and intensive focus on air and terrestrial monitoring in any one area, anywhere in Canada. The WBEA is committed to reporting accurate and timely high-quality data from our Ambient Air Monitoring (AAM), Terrestrial Environmental Effects Monitoring (TEEM), and Community Odour Monitoring (COMP) Programs to ensure regional stakeholders have the information they need to make informed environmental decisions. For more information, visit: <http://www.wbea.org>

The Role

The QA/QC Chemist Technician position is a full-time technical role within the Analytical Services Group (ASG) at the Wood Buffalo Environmental Association (WBEA). The WBEA ASG is an environmental analytical laboratory and is responsible for the sample preparation, extraction, analysis, data validation, and reporting of time-integrated air samples from the WBEA network. Sample types include particulate matter filters, annular denuders, ion exchange resins, and lichens, which are analyzed via automated gravimetric analysis, ion chromatography, and inductively coupled plasma mass spectrometry. The QA/QC Chemist Technician reports to the Laboratory Coordinator.

Position Responsibilities

- Understand and perform the full cycle of sample preparation, extraction, standard preparation, and analysis. This will be a key focus during the first 3 months of the onboarding process, where the candidate will receive comprehensive training and hands-on experience to master these critical processes.
- Validate laboratory data by following proper QA/QC guidelines encompassing instrument performance, calibrations, verification standards, laboratory blanks, and outliers.
- Document result deviations, identify reruns and instrument issues, compile monthly reports, and assist with report submission.
- Determine method detection limits and standard reference material recoveries for target analytes.
- Continuous improvement on developing report templates and writing detailed SOPs.
- Develop and validate analytical methods.
- Train ASG personnel on data validation and method development.
- Continually assist with sample preparation and extraction, standard preparation, and analysis to ensure operations workflows are completed on a timely basis.
- Assist with preventative and diagnostic maintenance on analytical instrumentation and equipment.
- Assist with the implementation of ISO 17025 accreditation.
- Assist with the implementation of a Laboratory Information Management System (LIMS).
- Complete and maintain all WBEA required safety training and certifications (e.g., WHMIS) and ensure completion and submission of applicable safety documentation.
- Follow general laboratory hygiene and safety practices.
- Participate in ASG and staff meetings.
- Adhere to the WBEA Employee Manual and the WBEA Safety Manual.

**Qualifications:**

- Post-secondary education in chemistry, instrumentation, environmental science, atmospheric science, or similar technical field
- Minimum 1-4 years experience with chromatography, ICP-MS, and other analytical instrumentation.
- Demonstrated professionalism, critical thinking, and interpersonal and communication skills.
- Have a strong aptitude for self-learning and technological skills.
- Strong organizational and time management skills.
- Ability to work with minimal supervision and take initiative.
- Ability to work in a fast-paced environment while maintaining quality work.
- A broad understanding of environmental testing and possible sources of contamination in sample media, an asset.
- Maintain high levels of discretion when dealing with confidential information.
- Proficiency with MS Office and laboratory instrument software.

Schedule: Full-time, 40 hours per week at 8 hours per day from Monday to Friday. Overtime may be required periodically, depending on operational needs.

Employment Status: Full-time, permanent

Salary: \$70,000.00 - \$86,000.00 commensurate with experience, qualifications, and skills.

Candidates who exceed the minimum experience requirements will be considered and commensurate based on prior direct experience.

We offer our employees an attractive compensation package that includes a competitive salary, above-market group health benefits, a group RRSP plan, a northern allowance, and a commitment to career development.

Work Location: This is a local position, reporting to the WBEA Centre in Fort McMurray, Alberta.

Pre-Employment Requirements:

- Drug & Alcohol testing
- Valid Class 5 Driver's license, a clean driving record, and the ability to travel throughout the Regional Municipality of Wood Buffalo
- Criminal record check

For more information, visit: <https://www.wbea.org>

Application Instructions: Please submit a resume and cover letter that outlines why your skills, experience, and personality would make you an excellent candidate for the QA/QC Chemist Technician role at the WBEA. If you are interested in joining our growing technical team, please apply here:



Application Deadline: Open until position is filled.

Application Instructions: Please submit a resume and cover letter that outlines why your skills, experience, and personality would make you an excellent candidate for the QA/QC Chemist Technician role at the WBEA. If you are interested in joining our team, please apply here:

<https://www.fitzii.com/apply/90745>

We thank all applicants for their interest. Only those selected for an interview will be contacted.

Disclosure regarding the Pre-Employment Requirements:

As part of the hiring process, candidates must declare if they have any civil or criminal conviction history that may prevent them from fulfilling the roles and responsibilities of the position for which they are applying. This requirement is necessary to ensure the safety, integrity, and operational effectiveness of our organization. We are committed to respecting privacy laws and handling all personal information in accordance with applicable privacy legislation. The collection of this information is justified under the principle that certain convictions may directly affect the candidate's ability to perform specific duties, adhere to legal requirements, or maintain a safe work environment. The evaluation process will consider only relevant conviction history directly related to the job's responsibilities. The WBEA will handle this information with strict confidentiality and fairness, with only Human Resources having access, ensuring that all decisions are made in compliance with employment and human rights legislation