

# ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



## Environmental Division

North America v9.1



## North American Centre of Excellence: Talented and experienced staff thrives in Research & Method Development

### NACE Resources

- 36 talented, full-time staff members
- Many of employees have 10-30+ years of experience
- New, state-of-the-art facility with the advanced equipment
- Access to advanced instrumentation at University of Alberta
- Close association with neighbors in the United States
- GLP accreditations recognized globally
- ISO accreditations

### Advanced Equipment

- 3 - gas chromatograph/high resolution mass spectrometers
- 8 - liquid chromatography/tandem mass spectrometers
- 7 - gas chromatograph/low resolution mass spectrometers
- 3 - gas chromatographs with electron capture and flame ionization detection
- 4 - liquid chromatographs with ultraviolet and fluorescence detection
- 3 - gel permeation chromatographic systems
- 1 - accelerated solvent extraction system
- 1 - autotrace automated solid phase extraction system
- 2 - rapid trace automated solid phase cleanup systems
- 1 - dry-vap concentration system
- 4 - tubo-vap concentrators
- 2 - Kuderna Danish concentrator systems
- 8 - rotary evaporation systems

[www.alsenviro.com](http://www.alsenviro.com)

**Performance is Everything!**

ALS is proud to be recognized as one of the premiere testing companies in the world. Our reputation is synonymous with the most advanced expertise in the industry. This is just one reason for the creation of the North American Centre of Excellence. Here, we routinely focus on complex method development to help engineers and consultants solve the challenges facing the environment today and the earth's sustainability for tomorrow and beyond.

NACE, with its talented and experienced staff of environmental chemists, is capable of developing methods for virtually any chemical compound of interest. In addition to the ALS expert chemists and scientists, NACE uses state-of-the-art equipment for research and method development. NACE also takes advantage of accessibility of advanced instrumentation at the University of Alberta. A perfect example is matrix assisted laser desorption time of flight mass spectrometry (MALDI-TOF). Their highly specialized instrument is used to analyze for quaternary amine copolymers which are very toxic to aquatic life. We have also worked with x-ray fluorescence to identify unknown particles. NACE receives repeated requests from many of our ALS global network operations to analyze for rare and complex chemical analyses.

Simply put, we are more than just an analytical laboratory. When you are looking for solutions to the most complex issues effecting your business, NACE is what you will find. For a special guided tour or an in-depth consultation, give us a call.



### North American Centre of Excellence

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### ALS Environmental Locations Across North America

**Canada:** Vancouver · Fort St. John · Grande Prairie · Calgary · Edmonton · Fort McMurray · Saskatoon · Winnipeg  
Thunder Bay London · Mississauga · Richmond Hill · Waterloo · Burlington · Yellowknife  
**United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Salt Lake City **Mexico:** Monterrey