



# CALA

Canadian Association for  
Laboratory Accreditation Inc.

## CALA Directory of Laboratories

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**Membership Number:** 3301  
**Laboratory Name:** Biogeochemical Analytical Service Laboratory  
**Parent Institution:** University of Alberta  
**Address:** 2-255 CCIS Bldg, University of Alberta Edmonton AB T6G 2E9  
**Contact:** Dr. Mingsheng Ma  
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**Standard:** Conforms with requirements of ISO/IEC 17025  
**Clients Served:** All Interested Parties  
**Revised On:** June 16, 2017  
**Valid To:** April 3, 2019

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### Scope of Accreditation

#### Water (Inorganic)

Ammonia - Water (001)  
SOP TM-I0G-003; modified from SM 4500-NH3 H  
FIA COLORIMETRIC  
Ammonia

#### Water (Inorganic)

Methyl Mercury - Water (007)  
SOP TM-I0G-033; modified from EPA 1630  
DISTILLATION, AQUEOUS ETHYLATION, PURGE AND TRAP, CVA/ICP/MS  
Dissolved Methyl Mercury  
Methyl Mercury

#### Water (Inorganic)

Nitrate + Nitrite - Water (002)  
SOP TM-I0G-004; modified from EPA 353.2  
FIA COLORIMETRIC  
Nitrate plus Nitrite

#### Water (Inorganic)

Phosphate - Water (003)  
SOPTM-I0G-009; modified from SM 4500-P G  
FIA COLORIMETRIC  
Phosphate

#### Water (Inorganic)

Phosphorus - Water (004)  
SOP TM-I0G-007; modified from SM 4500-P, B G  
FIA COLORIMETRIC  
Total Dissolved Phosphorus

† "OSDWA" indicates the appendix is used for the analysis of Ontario drinking water samples, which is subject to the rules and related regulations under the Ontario "Safe Drinking Water Act" (2002).

The list of tests and measurement capabilities for which a laboratory is accredited can change at any time due to circumstances such as scope extensions, voluntary withdrawal of tests by the laboratory and suspension. Scopes are published by the CALA via the Internet at [http://www.cala.ca/cala\\_directories.html](http://www.cala.ca/cala_directories.html)

Total Phosphorus

**Water (Inorganic)**

Total and Dissolved Mercury - Water (006)  
SOP TM-IOG-036; modified from EPA 1631E  
COLD VAPOUR ATOMIC  
Mercury

**Water (Organic)**

Polycyclic Aromatic Hydrocarbons (PAH)s - Water (005)  
SOP TM-ORG-005, SOP TS-ORG-006; modified from EPA 3510C and EPA 8270D  
GC/MS  
Acenaphthene  
Acenaphthylene  
Anthracene  
Benzo (a) anthracene  
Benzo (a) pyrene  
Benzo (b) fluoranthene  
Benzo (g,h,i) perylene  
Benzo (k) fluoranthene  
Chrysene  
Dibenzo (a,h) anthracene  
Fluoranthene  
Fluorene  
Indeno (1,2,3 - cd) pyrene  
Naphthalene  
Phenanthrene  
Pyrene

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