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

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, CVAF/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
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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