



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 3301
Laboratory Name: Biogeochemical Analytical Service Laboratory
Parent Institution: University of Alberta
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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: All Interested Parties
Revised On: September 12, 2019
Valid To: April 16, 2021

Scope of Accreditation

Solids

Total Mercury - Solids [Sediment] (010)
SOP TM-IOG-043; modified from EPA 7473
AAS
Mercury

Water (Inorganic)

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

Water (Inorganic)

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

Water (Inorganic)

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

Water (Inorganic)

Phosphate - Water (003)
SOP TM-IOG-009; modified from SM 4500-P G
FIA COLORIMETRIC
Phosphate

† "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

Water (Inorganic)

Phosphorus - Water (004)

SOP TM-IOG-007; modified from SM 4500-P B and SM 4500-P G

FIA COLORIMETRIC

Total Dissolved Phosphorus

Total Phosphorus

Water (Inorganic)

Total and Dissolved Mercury - Water (006)

SOP TM-IOG-036; modified from EPA 1631E

COLD VAPOUR ATOMIC FLUORESCENCE SPECTROPHOTOMETRY

Mercury

Water (Inorganic)

Total Nitrogen, Total Dissolved Nitrogen, Total Kjeldahl Nitrogen (TKN), Dissolved Kjeldahl Nitrogen - Water (009)

SOP TM-IOG-005; modified from SM 4500-NO3- I and SM 4500-NORG A and SM 4500-P J

FIA COLORIMETRIC

Dissolved Kjeldahl Nitrogen

Total Dissolved Nitrogen

Total Kjeldahl Nitrogen

Total Nitrogen

Water (Organic)

Polycyclic Aromatic Hydrocarbons (PAH) - 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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