



# CALA

Canadian Association for  
Laboratory Accreditation Inc.

## CALA Directory of Laboratories

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**Membership Number:** 3306

**Laboratory Name:** Flett Research Ltd.

**Parent Institution:**

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**Standard:** Conforms with requirements of ISO/IEC 17025

**Clients Served:** All Interested Parties

**Revised On:** January 12, 2021

**Valid To:** June 17, 2022

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### Scope of Accreditation

#### Solids (Inorganic)

Mercury - Solids [Soil] (002)

T00130; modified from ANALYTICA CHIMICA ACTA 281: 135-152 and EPA 1631E

COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS) - DIGESTION

Mercury

#### Solids (Inorganic)

Mercury - Solids [Soil] (011)

T00210; modified from EPA 7473

ATOMIC ABSORPTION SPECTROSCOPY (AAS)-THERMAL DECOMPOSITION

Mercury

#### Solids (Inorganic)

Methyl Mercury - Solids [Soil] (015)

M10240; modified from ANALYTICA CHIMICA ACTA: 135-152 and EPA 1630

COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS) - DISTILLATION

Methyl mercury

#### Solids (Radiochemistry)

Lead-210 - Solids [Soil] (017)

N20110; modified from EAKINS & MORRISON. JOURNAL OF APPLIED RADIATION & ISOTOPES 29, 531-536

ALPHA SPECTROSCOPY - DIGESTION, DISTILLATION

Lead-210

† "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)

**Solids (Radiochemistry)**

Radionuclides - Solids [Soil] (018)

N30120; modified from EML HASL-300 METHOD GA-01-R

GAMMA SPECTROSCOPY

Actinium-228

Americium-241

Bismuth-214

Cesium-134

Cesium-137

Cobalt-60

Lead-212

Lead-214

Potassium-40

Thorium-234

**Solids (Radiochemistry)**

Radium-226 - Solids [Soil] (019)

N40110; modified from MATHIEU BISCAYE, LUPTON & HAMMOND. HEALTH PHYSICS 55, 989-992

ALPHA SPECTROSCOPY (RN-222 EMANATION) - DIGESTION

Radium-226 (Rn-222)

**Tissue (Inorganic)**

Mercury - Tissue [Biological] (003)

T00110; modified from ANALYTICAL CHEMISTRY 48: 926-928 and EPA 1631E

COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS) - DIGESTION

Mercury

**Tissue (Inorganic)**

Mercury - Tissue [Biological] (010)

T00210; modified from EPA 7473

ATOMIC ABSORPTION SPECTROSCOPY (AAS)-THERMAL DECOMPOSITION

Mercury

**Tissue (Inorganic)**

Methyl Mercury - Tissue [Biological] (012)

M10220; modified from CAN. J. FISH. AQUAT. SCI. 49:1010-1017 and EPA 1630

COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS) - DIGESTION

Methyl mercury

**Water (Inorganic)**

Mercury - Water (001)

T00120; modified from EPA 1631E

COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS) - OXIDATION

Mercury

**Water (Inorganic)**

Methyl Mercury - Water (016)

M10210, M10211; modified from EPA 1630

COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS) - DISTILLATION

Methyl mercury

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