



CALA Scope of Accreditation

Laboratory Name: Flett Research Ltd.

Client ID: 1003306

Parent Institution:

Address: 440 DeSalaberry Ave., Winnipeg, Manitoba, R2L 0Y7

Contact: Dr. Robert J. Flett

Email: flett@flettresearch.ca

Phone: (204) 667-2505

Fax: (204) 667-2505

Standard: Conforms with requirements of ISO/IEC 17025:2017

Clients Served: All Interested Parties

Revised On: 08/05/2021

Valid To: 06/12/2026

001 - Mercury

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS)

Preparation Method: OXIDATION

Lab Method ID(s): T00120

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1631E	Yes	Yes	No

Parameter

Mercury

002 - Mercury

Field of Accreditation: Environmental

Matrix: Solids [Soil]

Analytical Method: COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS)

Preparation Method: DIGESTION

Lab Method ID(s): T00130

Method Reference	Modified From	Analytical Method	Preparation Method
ANALYTICA CHIMICA ACTA 281: 135-152	Yes	Yes	No
EPA 1631E	Yes	Yes	No

Parameter

Mercury

003 - Mercury

Field of Accreditation: Environmental

Matrix: Tissue [Biological]

Analytical Method: COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS)

Preparation Method: DIGESTION

Lab Method ID(s): T00110

Method Reference	Modified From	Analytical Method	Preparation Method
ANALYTICAL CHEMISTRY 48: 926-928	Yes	Yes	No
EPA 1631E	Yes	Yes	No

Parameter

Mercury

010 - Mercury

Field of Accreditation: Environmental

Matrix: Tissue [Biological]

Analytical Method: ATOMIC ABSORPTION SPECTROSCOPY (AAS)-THERMAL DECOMPOSITION

Preparation Method:

Lab Method ID(s): T00210

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 7473	Yes	Yes	No

Parameter

Mercury

011 - Mercury

Field of Accreditation: Environmental

Matrix: Solids [Soil]

Analytical Method: ATOMIC ABSORPTION SPECTROSCOPY (AAS)-THERMAL DECOMPOSITION

Preparation Method:

Lab Method ID(s): T00210

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 7473	Yes	Yes	No

Parameter
Mercury

012 - Methyl mercury

Field of Accreditation: Environmental

Matrix: Tissue [Biological]

Analytical Method: COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS)

Preparation Method: DIGESTION

Lab Method ID(s): M10220, M10221

Method Reference	Modified From	Analytical Method	Preparation Method
CAN. J. FISH. AQUAT. SCI. 46:1131-1140	Yes	Yes	No
EPA 1630	No	Yes	No

Parameter
Methyl mercury

015 - Methyl mercury

Field of Accreditation: Environmental

Matrix: Solids [Soil]

Analytical Method: COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS)

Preparation Method: DISTILLATION

Lab Method ID(s): M10240, M10241

Method Reference	Modified From	Analytical Method	Preparation Method
ANALYTICA CHIMICA ACTA: 135-152	Yes	Yes	No
EPA 1630	Yes	Yes	No

Parameter
Methyl mercury

016 - Methyl mercury

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: COLD VAPOUR ATOMIC FLUORESCENCE SPECTROSCOPY (CVAFS)

Preparation Method: DISTILLATION

Lab Method ID(s): M10210, M10211

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1630	Yes	Yes	No

Parameter
Methyl mercury

017 - Lead-210

Field of Accreditation: Environmental

Matrix: Solids [Soil]

Analytical Method: ALPHA SPECTROSCOPY

Preparation Method: DIGESTION, DISTILLATION

Lab Method ID(s): N20110

Method Reference	Modified From	Analytical Method	Preparation Method
EAKINS & MORRISON. JOURNAL OF APPLIED RADIATION & ISOTOPES 29, 531-536	Yes	Yes	No

Parameter
Lead-210

018 - Radionuclides

Field of Accreditation: Environmental

Matrix: Solids [Soil]

Analytical Method: GAMMA SPECTROSCOPY

Preparation Method:

Lab Method ID(s): N30120

Method Reference	Modified From	Analytical Method	Preparation Method
EML HASL-300 METHOD GA-01-R	Yes	Yes	No

Parameter
Actinium-228
Americium-241
Bismuth-214
Cesium-134
Cesium-137
Cobalt-60
Lead-212
Lead-214
Potassium-40

Parameter

Thorium-234

019 - Radium-226

Field of Accreditation: Environmental**Matrix:** Solids [Soil]**Analytical Method:** ALPHA SPECTROSCOPY (RN-222 EMANATION)**Preparation Method:** DIGESTION**Lab Method ID(s):** N40110**Method Reference**

MATHIEU BISCAYE, LUPTON & HAMMOND. HEALTH PHYSICS 55, 989-992

Modified From Analytical Method Preparation Method

Yes

Yes

No

Parameter

Radium-226 (Rn-222)

† "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

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