



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 2677

Laboratory Name: Analytical Chemistry Branch, Chalk River

Parent Institution: Canadian Nuclear Laboratories Ltd.

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Standard: Conforms with requirements of ISO/IEC 17025

Clients Served: All Interested Parties

Revised On: April 27, 2017

Valid To: January 12, 2019

Scope of Accreditation

Acidified Liquid (Inorganic)

Metals - Acidified Liquid (001)

148-127610-TEP-005; modified from ASTM D5673-10

ICP/MS

Aluminum

Antimony

Arsenic

Beryllium

Cadmium

Chromium

Copper

Lead

Molybdenum

Nickel

Selenium

Silver

Thallium

Tin

Uranium

Acidified Liquid (Radiochemistry)

Radionuclides - Gamma Emitters (008)

148-127610-TEP-022; IN-HOUSE

GAMMA SPECTROMETRY

Americium-241

Antimony-124

Antimony-125

Barium-133

† "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

Barium-140
Cadmium-109
Cerium-141
Cerium-144
Cesium-134
Cesium-137
Chromium VI
Cobalt-57
Cobalt-60
Europium-154
Europium-155
Iodine-131
Iron-59
Lanthanum-140
Lead-210
Manganese-54
Neodymium-147
Niobium-94
Niobium-95
Ruthenium-103
Ruthenium-106
Scandium-46
Strontium-85
Tellurium-123m
Tellurium-132
Tin-113
Yttrium-88
Zinc-65
Zirconium-95

Acidified Liquid (Radiochemistry)

Radionuclides Plutonium Isotopes - Acidified Liquids (005)
148-127610-TEP-020; IN-HOUSE
ALPHA SPECTROMETRY
Plutonium-238
Plutonium-239/240

Acidified Liquid (Radiochemistry)

Uranium Isotopic & Quant by TIMS - Acidified Liquids (006)
148-127610-TEP-021; IN-HOUSE
THERMAL IONIZATION MASS SPECTROMETRY
Total Uranium
Uranium-233
Uranium-234
Uranium-235
Uranium-236
Uranium-238

Nitrate Salts (Radiochemistry)

Uranium Isotopic & Quant by TIMS - Nitrate Salts (007)
148-127610-TEP-021; IN-HOUSE
THERMAL IONIZATION MASS SPECTROMETRY
Total Uranium
Uranium-233
Uranium-234
Uranium-235

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Uranium-236

Uranium-238

Waste (Inorganic)

Oil and Grease - Water (003)

148-127610-TEP-008; modified from SM 5520 B

GRAVIMETRIC - EXTRACTION

Total Oil and Grease

Water (Inorganic)

Solids - Water (004)

148-127610-TEP-009, 148-127610-TEP-007; modified from SM 2540 C, D, E

GRAVIMETRIC

Total Dissolved Solids

Total Suspended Solids

Volatile Suspended Solids

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