



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 2677
Laboratory Name: Analytical Chemistry Branch
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: November 5, 2018
Valid To: May 5, 2021

Scope of Accreditation

Acidified Liquid (Inorganic)

Metals - Liquid [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 - Liquid [Acidified Liquid] (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-51
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-88m
Zinc-65
Zirconium-95

Acidified Liquid (Radiochemistry)

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

Acidified Liquid (Radiochemistry)

Total Uranium and Uranium Isotopes - Liquid [Acidified Liquid] (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)

Total Uranium and Uranium Isotopes - Solids (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 - Waste (003)
148-127610-TEP-008; modified from SM 5520 B
GRAVIMETRIC - EXTRACTION
Total Oil and Grease

Water (Inorganic)

Heavy Water - Water (009)
148-127610-TEP-059; IN-HOUSE
NUCLEAR MAGNETIC RESONANCE (NMR)
Heavy Water D2O (0-100WT%)

Water (Inorganic)

Solids - Water (004)
148-127610-TEP-009, 148-127610-TEP-007; modified from SM 2540 C and SM 2540 D and SM 2540 E
GRAVIMETRIC
Total Dissolved Solids
Total Suspended Solids
Volatile Suspended Solids

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