



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 3467

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Parent Institution:

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Standard: Conforms with requirements of ISO/IEC 17025

Clients Served:

Revised On: February 22, 2010

Valid To: October 23, 2011

Scope of Accreditation

Solids (Inorganic)

Metals - Soil (011)

MTH-ENV-15; based on EPA 200.7

ICP/OES

RDL Range

Aluminum

10 - 50 µg/g

Antimony

1 - 5 µg/g

Arsenic

1 - 5 µg/g

Beryllium

.05 - .25 µg/g

Bismuth

Cadmium

.1 - .5 µg/g

Calcium

Chromium

.5 - 2.5 µg/g

Cobalt

.5 - 2.5 µg/g

Copper

.1 - .5 µg/g

Iron

1 - 5 µg/g

Lead

.5 - 2.5 µg/g

Lithium

Magnesium

Manganese

.1 - .5 µg/g

Molybdenum

Nickel

1 - 5 µg/g

Phosphorus

Potassium

Selenium

Silver

Sodium

Strontium

.05 - .25 µg/g

Thallium

Tin

1 - 5 µg/g

Titanium

.5 - 2.5 µg/g

Uranium

5 - 25 µg/g

† "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).

Vanadium
 Yttrium
 Zinc .5 - 2.5 µg/g

Water (Inorganic)

Acidity - Water (016)
 MTH-ENV-1; based on SM 2310 B
 TITRATION RDL Range
 Acidity

Water (Inorganic)

Alkalinity - Water (002)
 MTH-ENV-1; based on SM 2310 B and 2320 B
 TITRATION RDL Range
 Alkalinity (pH 4.5) 1 - 5 mg/L

Water (Inorganic)

Ammonia - Water (024)
 MTH-ENV-18; based on HACH 10031
 COLORIMETRIC RDL Range
 Ammonia .1 - .5 mg/L

Water (Inorganic)

Anions - Water (003)
 MTH-ENV-14; based on EPA 300.1
 ION CHROMATOGRAPHY RDL Range
 Bromide .1 - .5 mg/L
 Chloride .1 - .5 mg/L
 Nitrate .05 - .25 mg/L
 Nitrite .05 - .25 mg/L
 Sulfate .5 - 2.5 mg/L

Water (Inorganic)

Biochemical Oxygen Demand (BOD) - Water (001)
 MTH-ENV-21; based on SM 5210 B
 D.O. METER RDL Range
 BOD (5 day)
 CBOD (5 day)

Water (Inorganic)

Chemical Oxygen Demand (COD) - Water (008)
 MTH-ENV-13; based on HACH METHOD 8000
 SPECTROPHOTOMETER RDL Range
 COD 5 - 25 mg/L

Water (Inorganic)

Conductivity - Water (004)
 MTH-ENV-2; based on SM 2510
 CONDUCTIVITY METER RDL Range
 Conductivity (25°C) .1 - .5 µs/cm

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Water (Inorganic)

Dissolved Metals - Water (010)

MTH-ENV-16; based on EPA 200.7

ICP/OES

RDL Range

Aluminum (High)	.01 - .05 mg/L
Antimony	
Arsenic	
Barium (High)	.0001 - .0005 mg/L
Beryllium	
Bismuth	
Boron (High)	.001 - .005 mg/L
Cadmium	
Calcium	.05 - .25 mg/L
Chromium (High)	.001 - .005 mg/L
Cobalt (High)	.001 - .005 mg/L
Copper (High)	.001 - .005 mg/L
Indium	
Iron (High)	.01 - .05 mg/L
Lead (High)	.005 - .025 mg/L
Lithium	
Magnesium	.001 - .005 mg/L
Manganese (High)	.001 - .005 mg/L
Molybdenum (High)	.001 - .005 mg/L
Nickel (High)	.01 - .05 mg/L
Phosphorus	
Potassium	.01 - .05 mg/L
Selenium	
Silicon	
Silver	
Sodium	.01 - .05 mg/L
Strontium (High)	.0001 - .0005 mg/L
Thallium (High)	.005 - .025 mg/L
Tin	
Titanium (High)	.0001 - .0005 mg/L
Tungsten	
Uranium	
Vanadium (High)	.001 - .005 mg/L
Yttrium	
Zinc (High)	.01 - .05 mg/L

Water (Inorganic)

Fluoride - Water (005)

MTH-ENV-4; based on SM 4500 F- C

SELECTIVE ION ELECTRODE

RDL Range

Fluoride	.01 - .05 mg/L
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Water (Inorganic)

Hexavalent Chromium- Water (015)

MTH-ENV-11; based on NIOSH METHOD 7600

SPECTROPHOTOMETRIC

RDL Range

Chromium VI	
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Water (Inorganic)

pH - Water (009)

MTH-ENV-3; based on SM 4500-H+ B

pH METER

pH

RDL Range

Water (Inorganic)

Solids - Water (006)

MTH-ENV-7/MTH-ENV-8; based on SM 2540 B, C, D, E

GRAVIMETRIC

Total Dissolved Solids

Total Solids

Total Suspended Solids

Volatile Solids

Volatile Suspended Solids

RDL Range

10 - 50 mg/L

1 - 5 mg/L

Water (Inorganic)

Total (Recoverable) Metals - Water (030)

MTH-ENV-16; based on SM 3030 D, EPA 200.7

ICP/OES

Aluminum

Antimony

Arsenic

Barium

Beryllium

Bismuth

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Indium

Iron

Lead

Lithium

Manganese

Molybdenum

Nickel

Phosphorus

Selenium

Silicon

Silver

Strontium

Thallium

Tin

Titanium

Tungsten

Uranium

Vanadium

Yttrium

Zinc

RDL Range

.01 - .05 mg/L

.0001 - .0005 mg/L

.001 - .005 mg/L

.001 - .005 mg/L

.001 - .005 mg/L

.001 - .005 mg/L

.01 - .05 mg/L

.005 - .025 mg/L

.001 - .005 mg/L

.001 - .005 mg/L

.01 - .05 mg/L

.0001 - .0005 mg/L

.005 - .025 mg/L

.0001 - .0005 mg/L

.001 - .005 mg/L

.01 - .05 mg/L

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Water (Inorganic)

Turbidity - Water (007)

MTH-ENV-6; based on SM 2130 B

NEPHELOMETRY

Turbidity

RDL Range

.1 - .5 NTU

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