



# CALA

Canadian Association for  
Laboratory Accreditation Inc.

## CALA Directory of Laboratories

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**Membership Number:** 3467

**Laboratory Name:** SGS Canada Inc.

**Parent Institution:**

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

**Clients Served:**

**Revised On:** December 18, 2009

**Valid To:** October 23, 2011

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### 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)**

Alkalinity - Water (022)  
 MTH-ENV-17; based on EPA 310.2  
 COLORIMETRIC RDL Range  
 Alkalinity (pH 4.5) 10 - 50 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

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**Water (Inorganic)**

Conductivity - Water (004)

MTH-ENV-2; based on SM 2510  
CONDUCTIVITY METER

Conductivity (25°C)

RDL Range

.1 - .5 µs/cm

**Water (Inorganic)**

Cyanide - Water (026)

MTH-ENV-22; based on SM 4500-CN- O  
COLORIMETRIC

Cyanide (SAD)

RDL Range

.005 - .025 mg/L

**Water (Inorganic)**

Dissolved Metals - Water (010)

MTH-ENV-16; based on EPA 200.7  
ICP/OES

Aluminum (High)

RDL Range

.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

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**Water (Inorganic)**

Fluoride - Water (005)

MTH-ENV-4; based on SM 4500 F- C  
SELECTIVE ION ELECTRODE

Fluoride

RDL Range  
.01 - .05 mg/L**Water (Inorganic)**

Hexavalent Chromium- Water (015)

MTH-ENV-11; based on NIOSH METHOD 7600  
SPECTROPHOTOMETRIC

Chromium VI

RDL Range

**Water (Inorganic)**

pH - Water (009)

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

pH

RDL Range

**Water (Inorganic)**

Phosphate - Water (028)

MTH-ENV-23; based on SM 4500-P F  
COLORIMETRIC

Phosphate

RDL Range  
.005 - .025 mg/L**Water (Inorganic)**

Solids - Water (006)

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

Total Dissolved Solids

RDL Range  
10 - 50 mg/L

Total Solids

Total Suspended Solids

1 - 5 mg/L

Volatile Solids

Volatile Suspended Solids

**Water (Inorganic)**

Thiocyanate - Water (027)

MTH-ENV-19; BASED ON SM 4500-CN- M  
COLORIMETRIC

Thiocyanate

RDL Range

**Water (Inorganic)**

Total (Recoverable) Metals - Water (030)

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

Aluminum

RDL Range  
.01 - .05 mg/L

Antimony

Arsenic

Barium

.0001 - .0005 mg/L

Beryllium

Bismuth

Boron

.001 - .005 mg/L

Cadmium

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Calcium	
Chromium	.001 - .005 mg/L
Cobalt	.001 - .005 mg/L
Copper	.001 - .005 mg/L
Indium	
Iron	.01 - .05 mg/L
Lead	.005 - .025 mg/L
Lithium	
Manganese	.001 - .005 mg/L
Molybdenum	.001 - .005 mg/L
Nickel	.01 - .05 mg/L
Phosphorus	
Selenium	
Silicon	
Silver	
Strontium	.0001 - .0005 mg/L
Thallium	.005 - .025 mg/L
Tin	
Titanium	.0001 - .0005 mg/L
Tungsten	
Uranium	
Vanadium	.001 - .005 mg/L
Yttrium	
Zinc	.01 - .05 mg/L

**Water (Inorganic)**

Total Kjeldahl Nitrogen (TKN) - Water (020)  
MTH-ENV-20; based on SM 4500-N B, EPA 351.2  
COLORIMETRIC

Total Kjeldahl Nitrogen

RDL Range

.05 - .25 mg/L

**Water (Inorganic)**

Turbidity - Water (007)  
MTH-ENV-6; based on SM 2130 B  
NEPHELOMETRY

Turbidity

RDL Range

.1 - .5 NTU

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