



# CALA

Canadian Association for  
Laboratory Accreditation Inc.

## CALA Directory of Laboratories

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**Membership Number:** 3628  
**Laboratory Name:** Centre for Advancement of Water and Wastewater Technologies  
**Parent Institution:** Sir Sandford Fleming College  
**Address:** 200 Albert St. S Lindsay ON K9V 5E6  
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**Standard:** Conforms with requirements of ISO/IEC 17025  
**Clients Served:** All Interested Parties  
**Revised On:** June 4, 2018  
**Valid To:** October 3, 2019

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### Scope of Accreditation

#### Water (Inorganic)

Alkalinity - Water (001)  
M531; modified from SM 2320 B  
TITRIMETRIC (PC TITRATE)  
Alkalinity (pH 4.5)

#### Water (Inorganic)

Ammonia - Water (014)  
M546; modified from HACH 8155  
COLORIMETRIC  
Ammonia

#### Water (Inorganic)

Anions - Water (006)  
M532; modified from EPA 353.2  
AUTO COLOR  
Nitrate plus Nitrite  
Nitrite

#### Water (Inorganic)

Anions - Water (017)  
M549; modified from SM 4110 B  
ION CHROMATOGRAPHY  
Bromide  
Chloride  
Fluoride  
Nitrate  
Nitrite  
Phosphate

† "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](http://www.cala.ca/cala_directories.html)

Sulfate

**Water (Inorganic)**

Biochemical Oxygen Demand (BOD) - Water (012)

M543; modified from SM 5210 B

D.O. METER

BOD (5 day)

CBOD (5 day)

**Water (Inorganic)**

Cations - Water (018)

M549; modified from ASTM D6919-09

ION CHROMATOGRAPHY

Calcium

Magnesium

Potassium

Sodium

**Water (Inorganic)**

Chemical Oxygen Demand (COD) - Water (011)

M542; modified from SM 5220 D

REFLUX - COLORIMETRIC

COD

**Water (Inorganic)**

Chlorine - Water (005)

M553; modified from SM 4500-CL G

COLORIMETRIC

Free Chlorine

Total Chlorine

**Water (Inorganic)**

Conductivity - Water (002)

M531; modified from SM 2510 B

CONDUCTIVITY METER (PC TITRATE)

Conductivity (25°C)

**Water (Inorganic)**

Dissolved Metals - Water (010)

M535; modified from EPA 200.7

ICP/OES

Aluminum

Arsenic

Barium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

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Selenium  
Sodium  
Strontium  
Thallium  
Titanium  
Vanadium  
Zinc

**Water (Inorganic)**

Organic Carbon - Water (015)  
M547; modified from SM 5310 B  
HI-TEMP COMBUSTION  
Organic Carbon

**Water (Inorganic)**

pH - Water (003)  
M531; modified from SM 4500-H+ B  
pH METER (PC TITRATE)  
pH

**Water (Inorganic)**

Phosphate - Water (007)  
M534; modified from SM 4500-P E  
AUTO COLOR  
Phosphate

**Water (Inorganic)**

Solids - Water (013)  
M545; modified from SM 2540 D and SM 2540 E  
GRAVIMETRIC  
Total Suspended Solids  
Volatile Suspended Solids

**Water (Inorganic)**

Total Kjeldahl Nitrogen (TKN) - Water (009)  
M533; modified from EPA 351.2  
AUTO COLOR  
Total Kjeldahl Nitrogen

**Water (Inorganic)**

Total Phosphorus - Water (008)  
M534; modified from HACH 8190 (PREPARATION) and SM 4500-P E (ANALYSIS)  
AUTO COLOR - DIGESTION  
Total Phosphorus

**Water (Inorganic)**

Turbidity - Water (004)  
M531; modified from SM 2130 B  
NEPHELOMETRY (PC TITRATE)  
Turbidity

**Water (Inorganic)**

Turbidity - Water (019)  
M562; modified from EPA 180.1  
NEPHELOMETRY  
Turbidity

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**Water (Microbiology)**

Coliforms - Water (016)

M548; modified from SM 9223 B

QUANTI-TRAY

Escherichia coli (E. coli)

Total Coliforms

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