



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 3628
Laboratory Name: Centre for Advancement of Water and Wastewater Technologies
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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: All Interested Parties
Revised On: September 5, 2019
Valid To: March 5, 2022

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; IN-HOUSE
COLORIMETRIC
Ammonia

Water (Inorganic)

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

Water (Inorganic)

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

† "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

Phosphate
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
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

Total Coliforms

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