



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 3628
Laboratory Name: Centre for Alternative Wastewater Treatment
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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: All Interested Parties
Revised On: April 27, 2017
Valid To: October 3, 2019

Scope of Accreditation

Water (Inorganic)

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

Water (Inorganic)

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

Water (Inorganic)

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

Water (Inorganic)

Anions (NO₂/NO₃) - Water (006)
M532; modified from EPA 353.2
AUTO COLOR
Nitrate

† "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

Nitrite

Water (Inorganic)

Biological 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; ASTM D6919-09
ION CHROMATOGRAPHY
Calcium
Magnesium
Potassium
Sodium

Water (Inorganic)

Chemical Oxygen Demand (COD) - Water (011)
M542; modified from 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
CONDUCTIVITY METER (PC TITRATE)
Conductivity (25°C)

Water (Inorganic)

Dissolved Metals - Water (010)
M535; modified from EPA 200.7
ICP/OES
Calcium
Iron
Iron (High)
Magnesium
Potassium
Sodium

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 +
pH METER (PC TITRATE)
pH

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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
GRAVIMETRIC
Total 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 (DIGESTION) AND SM 4500-P-E (ANALYSIS)
AUTO COLOR - DIGESTION
Total Phosphorus

Water (Inorganic)

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

Water (Inorganic)

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

Water (Microbiology)

Coliforms - Water (016)
M548; SM 9223 B
QUANTI-TRAY
Escherichia coli (E. coli)
Total Coliforms

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