



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 3628
Laboratory Name: Centre for Alternative Wastewater Treatment
Parent Institution: Sir Sandford Fleming College
Address: 200 Albert St. Lindsay ON K9V 5E6
Contact: Hong Zhang
Phone: (705) 324-9144
Fax: (705) 324-8805
Email: Hong.Zhang@flemingcollege.ca

Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: All Interested Parties
Revised On: January 19, 2018
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 (006)
M532; modified from EPA 353.2
AUTO COLOR
Nitrate
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

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; 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

† "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

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

† "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