



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 2628
Laboratory Name: Caduceon Environmental Laboratories (Richmond Hill)
Parent Institution: Caduceon Enterprises Inc.
Address: 110 West Beaver Creek Rd. Unit #14 Richmond Hill ON L4B 1J9
Contact: Ms. Christine Burke
Phone: (289) 475-5442
Fax: (866) 562-1963
Email: cburke@caduceonlabs.com; sburrows@caduceonlabs.com

Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: All Interested Parties
Revised On: November 7, 2018
Valid To: March 8, 2020

Scope of Accreditation

Solids (Inorganic)

Conductivity - Solids [Soil] (037)
A-COND-02; modified from ON MOECC E3138
CONDUCTIVITY METER
Conductivity

Solids (Inorganic)

pH - Solids [Soil] (046)
A-PH-02; modified from ON MOECC E3137
pH METER
pH

Solids (Inorganic)

Phosphorus Retention Capacity - Solids [Soil] (020)
D-PRET-01; IN-HOUSE
COLORIMETRIC
Phosphorus

Solids (Organic)

Volatile Organic Compounds (VOC) - Solids [Soil] (030)
C-VOC-02; modified from EPA 5030 and EPA 5035 and EPA 8260
GC/MS - PURGE AND TRAP
1,1-Dichloroethane
1,1-dichloroethylene
1,1-Dichloropropene
1,1,1-Trichloroethane
1,1,1,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane

† "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

1,2-Dibromo-3-Chloropropane
1,2-dichlorobenzene
1,2-dichloroethane
1,2-Dichloropropane
1,2,3-Trichlorobenzene
1,2,3-Trichloropropane
1,2,4-Trichlorobenzene
1,2,4-Trimethyl Benzene
1,3-Dichlorobenzene
1,3-Dichloropropane
1,3,5-TrimethylBenzene
1,4-dichlorobenzene
2-Chlorotoluene
2-Hexanone
2,2-Dichloropropane
4-Chlorotoluene
Acetone (2-Propanone)
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dibromomethane
Dichloromethane
Dichlorodifluoromethane
Ethylbenzene
Ethylene Dibromide
Hexachloro-1,3-butadiene
Hexane
Isopropylbenzene
m/p-xylene
Methyl Ethyl Ketone
Methyl isobutyl Ketone
Methyl t-butyl ether
n-Butyl Benzene
n-Propylbenzene
Naphthalene
o-xylene
p-Isopropyl Toluene
sec-Butyl Benzene
Styrene
tert-Butyl Benzene
Tetrachloroethylene
Toluene

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trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
Trichloroethylene
Trichlorofluoromethane
Vinyl chloride

Solids (Organic)

Volatile Petroleum Hydrocarbons (VPH) - Solids [Soil] (035)
C-VPHS-01; CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD
GC/FID - PURGE AND TRAP
F1: C6-C10

Water (Inorganic)

Conductivity - Water (003)
A-COND-01; modified from SM 2510 B
CONDUCTIVITY METER
Conductivity (25°C)

OSDWA †

Water (Inorganic)

Nitrate plus Nitrite - Water (024)
A-NO3-01; modified from SM 4500-NO3- E
COLORIMETRIC
Nitrate
Nitrate plus Nitrite

OSDWA †

Water (Inorganic)

Nitrite - Water (028)
A-NO2-01; modified from SM 4500-NO2- B
COLORIMETRIC
Nitrite

OSDWA †

Water (Inorganic)

pH - Water (012)
A-PH-01; modified from SM 4500-H+
pH METER
pH

OSDWA †

Water (Inorganic)

Phosphate - Water (026)
A-DRP-01; modified from SM 4500-P E
COLORIMETRIC
Phosphate

OSDWA †

Water (Inorganic)

Solids - Water (010)
A-TSS-01; modified from SM 2540 D
GRAVIMETRIC
Total Suspended Solids

OSDWA †

Water (Organic)

Volatile Organic Compounds (VOC) - Water (029)
C-VOC-02; modified from EPA 5030 and EPA 8260
GC/MS - PURGE AND TRAP
1,1-Dichloroethane
1,1-dichloroethylene
1,1-Dichloropropene
1,1,1-Trichloroethane
1,1,1,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1,2-Trichlorotrifluoroethane

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1,1,2,2-Tetrachloroethane
1,2-Dibromo-3-Chloropropane
1,2-dichlorobenzene
1,2-dichloroethane
1,2-Dichloropropane
1,2-Dichlorotetrafluoroethane
1,2-Difluorotetrachloroethane
1,2,3-Trichlorobenzene
1,2,3-Trichloropropane
1,2,4-Trichlorobenzene
1,2,4-Trimethyl Benzene
1,3-Dichlorobenzene
1,3-Dichloropropane
1,3,5-TrimethylBenzene
1,4-dichlorobenzene
1,4-Dioxane (p-dioxane)
2-Chloro-1,1,1-trifluoroethane
2-Chlorotoluene
2-Hexanone
2,2-Dichloro-1,1,1-trifluoroethane
2,2-Dichloropropane
4-Chlorotoluene
Acetone (2-Propanone)
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dibromomethane
Dichlorodifluoromethane
Dichlorodifluoromethane
Dichlorofluoromethane
Dichloromethane
Difluorochloromethane
Ethylbenzene
Ethylene Dibromide
Hexachloro-1,3-butadiene
Hexane
Isopropylbenzene
m/p-xylene
Methyl Ethyl Ketone
Methyl isobutyl Ketone
Methyl t-butyl ether
n-Butyl Benzene

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n-Propylbenzene
Naphthalene
o-xylene
p-Isopropyl Toluene
sec-Butyl Benzene
Styrene
tert-Butyl Benzene
Tetrachloroethylene
Toluene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
Trichloroethylene
Trichlorofluoromethane
Vinyl Chloride

Water (Organic)

Volatile Petroleum Hydrocarbons (VPH) - Water (034)
C-VPHW-01; modified from ON MOECC E3421
GC/FID - PURGE AND TRAP
F1: C6-C10

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