



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: September 12, 2019
Valid To: January 20, 2022

Scope of Accreditation

Solids (Inorganic)

Conductivity - Solids [Soil] (037)
A-COND-02; modified from ON MOECC E3530
CONDUCTIVITY METER
Conductivity

Solids (Inorganic)

pH - Solids [Soil] (046)
A-PH-02; modified from ON MOECC E3530
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, Waste] (057)
C-VOC-02; EPA 1311 (PREPARATION) and EPA 5030 (ANALYSIS) and EPA 8260 (ANALYSIS)
GC/MS - PURGE AND TRAP - TCLP
1,1-Dichloroethene
1,2-Dichlorobenzene
1,2-Dichloroethane
1,4-Dichlorobenzene
Benzene
Chlorobenzene

† "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).

Chloroethene (Vinyl chloride)
Chloroform
Methyl ethyl ketone
Tetrachloroethylene
Trichloroethylene

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
1,2-Dibromo-3-chloropropane (DBCP)
1,2-dichlorobenzene
1,2-dichloroethane
1,2-Dichloropropane
1,2,3-Trichlorobenzene
1,2,3-Trichloropropane
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,3-Dichlorobenzene
1,3-Dichloropropane
1,3,5-Trimethylbenzene
1,4-dichlorobenzene
2-Chlorotoluene
2-Hexanone (Methyl butyl ketone, MBK)
2,2-Dichloropropane
4-Chlorotoluene (p-Chlorotoluene)
4-isopropyltoluene (p-Cymene)
Acetone (2-Propanone)
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane (Ethyl Chloride)
Chloroethene (Vinyl chloride)
Chloroform

† "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

Chloromethane (Methyl chloride)
 cis-1,2-Dichloroethylene
 cis-1,3-Dichloropropene
 Dibromomethane
 Dichloromethane
 Dichlorodifluoromethane
 Ethylbenzene
 Ethylene Dibromide
 Hexachlorobutadiene
 Hexane
 Isopropylbenzene (Cumene)
 m,p-Xylene
 Methyl Ethyl Ketone
 Methyl isobutyl ketone (MIBK)
 Methyl t-butyl ether
 n-Butylbenzene
 n-Propylbenzene
 Naphthalene
 o-Xylene
 sec-Butylbenzene
 Styrene
 tert-Butylbenzene
 Tetrachloroethylene
 Toluene
 trans-1,2-Dichloroethylene
 trans-1,3-Dichloropropene
 Trichloroethylene
 Trichlorofluoromethane

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 HACH 8192
 COLORIMETRIC
 Nitrate
 Nitrate plus Nitrite

OSDWA †

† "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).

Water (Inorganic) Nitrite - Water (028) A-NO2-01; modified from HACH 8507 COLORIMETRIC Nitrite	OSDWA †
Water (Inorganic) pH - Water (012) A-PH-01; modified from SM 4500-H+ pH METER pH	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 1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane (DBCP) 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-Trimethylbenzene 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 (Methyl butyl ketone, MBK) 2,2-Dichloro-1,1,1-trifluoroethane 2,2-Dichloropropane 4-Chlorotoluene (p-Chlorotoluene) 4-isopropyltoluene (p-Cymene) Acetone (2-Propanone) Benzene Bromobenzene	OSDWA †

† "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

Bromochloromethane
 Bromodichloromethane
 Bromoform
 Bromomethane
 Carbon tetrachloride
 Chlorobenzene
 Chlorodibromomethane
 Chloroethane (Ethyl Chloride)
 Chloroform
 Chloromethane (Methyl chloride)
 cis-1,2-Dichloroethylene
 cis-1,3-Dichloropropene
 Dibromomethane
 Dichlorodifluoromethane
 Dichlorodifluoromethane
 Dichlorofluoromethane
 Dichloromethane
 Difluorochloromethane
 Ethylbenzene
 Ethylene Dibromide
 Hexachlorobutadiene
 Hexane
 Isopropylbenzene (Cumene)
 m,p-Xylene
 Methyl Ethyl Ketone
 Methyl isobutyl ketone (MIBK)
 Methyl t-butyl ether
 n-Butylbenzene
 n-Propylbenzene
 Naphthalene
 o-Xylene
 sec-Butylbenzene
 Styrene
 tert-Butylbenzene
 Tetrachloroethylene
 Toluene
 trans-1,2-Dichloroethylene
 trans-1,3-Dichloropropene
 Trichloroethylene
 Trichlorofluoromethane
 Vinyl chloride

Water (Organic)

OSDWA †

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

† "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).