



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 17025:2017
Clients Served: All Interested Parties
Revised On: August 26, 2021
Valid To: February 24, 2024

Scope of Accreditation

Solids (Inorganic)

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

Solids (Inorganic)

pH - Solids [Soil] (046)
A-PH-02; modified from ON MECP 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 (058)
C-VOC-02; EPA 5030C (ANALYSIS) and EPA 8260D (ANALYSIS) and ON MECP E9003 (PREPARATION)
GC/MS-PURGE AND TRAP - MSPLP
1,1-Dichloroethane
1,1-Dichloroethene (1,1-Dichloroethylene)
1,1,1-Trifluoroethane (HFC 143a)

† "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

1,1,1,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane
1,2-Dibromoethane (Ethylene dibromide)
1,2-Dibromoethane (Ethylene dibromide)
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,4-Dichlorobenzene
Bromomethane
Carbon tetrachloride
Chloroform
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dichloromethane (Methylene Chloride)
p-Dioxane
Tetrachloroethene
trans-1,2-Dichloroethylene (trans-1,2-Dichloroethene)
trans-1,3-Dichloropropene
Trichloroethene

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 (1,1-Dichloroethylene)
1,2-Dichlorobenzene
1,2-Dichloroethane
1,4-Dichlorobenzene
Benzene
Carbon tetrachloride
Chlorobenzene
Chloroethene (Vinyl chloride)
Chloroform
Dichloromethane
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

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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-Dichloroethylene (cis+trans) (calculation)
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-Dichloropropene (cis+trans) (calculation)
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
Butylbenzene (n-Butylbenzene)
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane (Ethyl chloride)
Chloroethene (Vinyl chloride)
Chloroform
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethylene

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cis-1,3-Dichloropropene
Dibromomethane
Dichlorofluoromethane (HCFC-21, Freon 21)
Dichloromethane
Ethylbenzene
Ethylene Dibromide
Hexachlorobutadiene (1,1,2,3,4,4-Hexachloro-1,3-butadiene)
Hexane (n-Hexane)
Isopropylbenzene (Cumene)
m,p-Xylene
Methyl Ethyl Ketone
Methyl isobutyl ketone (MIBK)
Methyl t-butyl ether
n-Propylbenzene
Naphthalene
o-Xylene
sec-Butylbenzene ((1-Methylpropyl)benzene)
Styrene
tert-Butylbenzene
Tetrachloroethylene
Toluene
Total Xylenes (calculation)
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
F1-BTEX (calculation)

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

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Water (Inorganic)

Nitrite - Water (028)
A-NO2-01; modified from HACH 8507
COLORIMETRIC
Nitrite

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-Trichloro-1,2,2-trifluoroethane (CFC-113, Freon 113)
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC-114, Freon 114)
1,2-dichlorobenzene
1,2-dichloroethane
1,2-Dichloropropane
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-Dichloropropene (cis+trans) (calculation)
1,3,5-Trimethylbenzene
1,4-dichlorobenzene
2-Chloro-1,1,1-trifluoroethane (HCFC-133a, Freon 133a)
2-Chlorotoluene
2-Hexanone (Methyl butyl ketone, MBK)
2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123, Freon 123)
2,2-Dichloropropane

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4-Isopropyltoluene (p-Cymene)
Acetone (2-Propanone)
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
Butylbenzene (n-Butylbenzene)
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane
Chlorodifluoromethane (HCFC-22, Freon 22)
Chloroethane (Ethyl chloride)
Chloroform
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dibromomethane
Dichlorodifluoromethane (CFC-12, Freon 12)
Dichlorofluoromethane (HCFC-21, Freon 21)
Dichloromethane
Ethylbenzene
Ethylene Dibromide
Hexachlorobutadiene (1,1,2,3,4,4-Hexachloro-1,3-butadiene)
Hexane (n-Hexane)
Isopropylbenzene (Cumene)
m,p-Xylene
Methyl Ethyl Ketone
Methyl isobutyl ketone (MIBK)
Methyl t-butyl ether
n-Propylbenzene
Naphthalene
o-Xylene
p-Dioxane
sec-Butylbenzene ((1-Methylpropyl)benzene)
Styrene
tert-Butylbenzene
Tetrachloroethylene
Toluene

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Total Trihalomethanes (TTHM) (calculation)
Total Xylenes (calculation)
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 MECP E3421
GC/FID-PURGE AND TRAP
F1: C6-C10
F1-BTEX (calculation)

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