



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 2728
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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served:
Revised On: February 18, 2020
Valid To: June 11, 2021

Scope of Accreditation

Oil (Organic)

Polychlorinated Biphenyls (PCB) - Oil (081)
PCB-002; modified from EPA 8082A
GC/ECD - EXTRACTION
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Total PCB

Solids (Inorganic)

Conductivity - Solids (077)
COND-003; modified from ON MOECC E3138
CONDUCTIVITY METER
Conductivity

Solids (Inorganic)

Cyanide - Solids [Soil] (074)
CN-001; modified from EPA 9012B
COLORIMETRIC - WATER EXTRACTION
Free Cyanide
Total Cyanide

Solids (Inorganic)

Extractable Cyanide - Solids (061)
CN-001; modified from EPA 1311 (PREPARATION) and SM 4500-CN- E (ANALYSIS)
COLORIMETRIC - TCLP
Cyanide (WAD)

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Solids (Inorganic)

Extractable Fluoride - Solids (062)

F-001; modified from EPA 1311 (PREPARATION) and SM 4500-F- D (ANALYSIS)

COLORIMETRIC - TCLP

Fluoride

Solids (Inorganic)

Oil and Grease - Solids [Soil] (049)

O&G-001; modified from SM 5520 B and SM 5520 F

GRAVIMETRIC

Animal/Vegetable Oil and Grease

Mineral Oil and Grease

Total Oil and Grease

Solids (Inorganic)

pH - Solids [Soil] (056)

PH-001, PH-003; modified from ON MOECC E3137

pH METER

pH

Solids (Inorganic)

Total Ammonia - Solids [Biosolid, Soil] (083)

NH3-001; modified from ON MOECC E3116

AUTO COLOR

Total Ammonia

Solids (Inorganic)

Total Kjeldahl Nitrogen (TKN) - Solids [Biosolid, Soil] (078)

TPTKN-001; modified from ON MOECC E3116

AUTO COLOR - DIGESTION

Total Kjeldahl Nitrogen (TKN)

Solids (Inorganic)

Total Phosphorus - Solids [Biosolid, Soil] (079)

TPTKN-001; modified from ON MOECC E3116

AUTO COLOR - DIGESTION

Total Phosphorus

Solids (Organic)

Base Neutral Acid Extractables (BNA) - Solids (060)

NAB-W-001; modified from EPA 1311 (PREPARATION) and EPA 8270D (ANALYSIS)

GC/MS - TCLP

2,3,4,6-Tetrachlorophenol

2,4-Dichlorophenol

2,4-Dinitrotoluene

2,4,5-Trichlorophenol

2,4,6-Trichlorophenol

3/4-Methylphenol

Benzo(a)pyrene

Hexachlorobenzene

Hexachlorobutadiene

Hexachloroethane

Nitrobenzene

Pentachlorophenol

Pyridine

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Total Cresols

Solids (Organic)

Base Neutral Acid Extractables (BNA) - Solids [Soil] (048)

NAB-S-001; modified from EPA 525.2 and EPA 8270D

GC/MS - EXTRACTION

1-Methylnaphthalene

1-Methylnaphthalene + 2-Methylnaphthalene (Calculation)

1,2,4-Trichlorobenzene

2-Chlorophenol

2-Methylnaphthalene

2,4+2,6-Dinitrotoluene (Calculation)

2,4-Dichlorophenol

2,4-Dichlorophenoxyacetic acid (2,4-D)

2,4-Dimethylphenol

2,4-Dinitrophenol

2,4-Dinitrotoluene

2,4,5-Trichlorophenol

2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)

2,4,5,6-Tetrachlorophenol

2,4,6-Trichlorophenol

2,6-Dinitrotoluene (2,6-DNT)

3,3'-Dichlorobenzidine

4-Chloroaniline (p-Chloroaniline)

Acenaphthene

Acenaphthylene

Alachlor

Aldicarb

Anthracene

Atrazine

Atrazine, desethyl

Azinphos-methyl (Guthion)

Bendiocarb

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(g,h,i)perylene

Benzo(k)fluoranthene

Biphenyl (1,1-Biphenyl)

Bis(2-chloroethyl) ether

Bis(2-chloroisopropyl) ether

Bis(2-ethylhexyl) phthalate (Diethylhexyl phthalate)

Bromoxynil

Carbaryl

Carbofuran

Chlorpyrifos ethyl

Chrysene

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Cyanazine
Di-n-butyl phthalate
Diazinon
Dibenzo(a,h)anthracene
Dicamba
Diclofop-methyl
Diethyl phthalate
Dimethoate
Dimethyl phthalate
Dinoseb
Diuron
Fluoranthene
Fluorene
Hexachloroethane
Indeno(1,2,3 - cd)pyrene
Malathion
Metolachlor
Metribuzin
Naphthalene
Parathion (ethyl)
Pentachlorophenol
Phenanthrene
Phenol
Phorate
Picloram
Prometryne
Pyrene
Simazine
Temephos (Abate)
Terbufos
Total PAHs (calculation)
Triallate
Trifluralin

Solids (Organic)

Chlorinated Pesticides - Solids [Soil] (076)
PESTCL-002; modified from EPA 8081B and EPA 8082A
GC/ECD - EXTRACTION
2,4'-DDD (o,p'-DDD)
2,4'-DDE (o,p'-DDE)
2,4'-DDT (o,p'-DDT)
4,4'-DDD (p,p'-DDD)
4,4'-DDE (p,p'-DDE)
4,4'-DDT (p,p'-DDT)
Aldrin
Aldrin + Dieldrin (calculation)
alpha-BHC

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alpha-Chlordane
beta-HCH (beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-BHC, beta-Hexachlorocyclohexane)
DDT + metabolites
Dieldrin
Endosulfan I (a-Endosulfan)
Endosulfan I (a-Endosulfan) + Endosulfan II (b-Endosulfan) (calculation)
Endosulfan II (b-Endosulfan)
Endosulfan Sulfate
Endrin
gamma-Chlordane
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Lindane (gamma-BHC)
Methoxychlor
Mirex
Oxychlordane
Total DDD (Calculation)
Total DDE (Calculation)
Total DDT (Calculation)

Solids (Organic)

Petroleum Hydrocarbons (PHC) - Solids [Soil] (046)
PHC-S-001; CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD and ON MOECC E3398
GC/FID - EXTRACTION
Diesel Range Organics (DRO): C10-C24
F2: C10-C16
F3: C16-C34
F4: C34-C50
Heavy Oils: C24-C50
Total Petroleum Hydrocarbons (TPH) (C10-C50)

Solids (Organic)

Petroleum Hydrocarbons (PHC) - Solids [Soil] (058)
PHC-S-001; CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD
GRAVIMETRIC
F4: Gravimetric

Solids (Organic)

Polychlorinated Biphenyls (PCB) - Solids [Soil] (080)
PCB-003; modified from EPA 8082A
GC/ECD - EXTRACTION
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Total PCB

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Water (Inorganic) Ammonia + Ammonium - Water [Liquid Biosolid, Wastewater] (025) NH3-001; modified from SM 4500-NH3 H AUTO COLOR Ammonia Unionized Ammonia (Calculation)	OSDWA †
Water (Inorganic) Biochemical Oxygen Demand (BOD) - Water (054) BOD-001; modified from SM 5210 B D.O. METER BOD (5 day) CBOD (5 day)	OSDWA †
Water (Inorganic) Conductivity - Water (010) COND-001; modified from SM 2510 B CONDUCTIVITY METER Conductivity (25°C)	OSDWA †
Water (Inorganic) Cyanide - Water (006) CN-001; modified from SM 4500-CN- E AUTO COLOR - DISTILLATION Cyanide (SAD) Free Cyanide	OSDWA †
Water (Inorganic) Oil and Grease - Water (047) O&G-001; modified from SM 5520 B and SM 5520 F GRAVIMETRIC Animal/Vegetable Oil and Grease Mineral Oil and Grease Total Oil and Grease	OSDWA †
Water (Inorganic) pH - Water (009) PH-001; modified from SM 4500-H+ B pH METER pH	OSDWA †
Water (Inorganic) Phenols - Water (086) PHEN-01; modified from ON MOECC E3179 AUTO COLOR Total Phenolics	OSDWA †
Water (Inorganic) Phosphate - Water (088) DRP-002; modified from EPA 365.2 and ON MOECC E3364 AUTO COLOR Phosphate	OSDWA †
Water (Inorganic) Solids - Water (026) TS-001, TSS-001; modified from SM 2540 B and SM 2540 D and SM 2540 E GRAVIMETRIC Total Solids (TS)	OSDWA †

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Total Suspended Solids	
Total Volatile Solids (TVS)	
Volatile Suspended Solids	
Water (Inorganic)	OSDWA †
Sulphide - Water (036)	
H2S-001; modified from SM 4500-S2- D	
COLORIMETRIC	
Sulphide	
Water (Inorganic)	OSDWA †
Tannin and Lignin - Water (085)	
TAN-001; SM 5550	
AUTO COLOR	
Tannin and Lignin	
Water (Inorganic)	OSDWA †
Total Kjeldahl Nitrogen (TKN) - Water [Liquid Biosolid, Wastewater] (016)	
TPTKN 001; modified from ON MOECC E3199A.1	
AUTO COLOR - DIGESTION	
Organic Nitrogen	
Total Kjeldahl Nitrogen	
Water (Inorganic)	OSDWA †
Total Phosphorus - Water [Liquid Biosolid, Wastewater] (042)	
TPTKN 001; modified from ON MOECC E3199A.1	
AUTO COLOR - DIGESTION	
Total Phosphorus	
Water (Microbiology)	OSDWA †
Coliforms - Water (035)	
ECTC-001; modified from ON MOECC E3407	
MEMBRANE FILTRATION (DC)	
Background Counts	
Escherichia coli	
Total Coliforms	
Water (Microbiology)	OSDWA †
Escherichia coli (E. coli) - Water (002)	
EC-001; modified from SM 9222 D	
MEMBRANE FILTRATION (mTEC-XGLUC)	
Escherichia coli	
Water (Microbiology)	OSDWA †
Fecal (Thermotolerant) Coliforms - Water (044)	
FC-001; modified from SM 9222 D	
MEMBRANE FILTRATION (mTEC) WITH INDICATOR	
Fecal (Thermotolerant) Coliforms	
Water (Microbiology)	OSDWA †
Fecal Streptococci - Water (003)	
FS-001; modified from SM 9230 C	
MEMBRANE FILTRATION	
Fecal streptococci	

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Water (Microbiology) Heterotrophic Plate Count (HPC) - Water (001) HPC-001; modified from SM 9215 D MEMBRANE FILTRATION Heterotrophic Plate Count (HPC)	OSDWA †
Water (Microbiology) Total Coliforms - Water (043) TC 001; modified from SM 9222 B MEMBRANE FILTRATION (mENDO) Background Counts Total Coliforms	OSDWA †
Water (Organic) 2-methyl-4-chlorophenoxyacetic acid (MCPA) - Water (084) HERB-W-001; modified from EPA 8151A GC/MS MCPA (2-Methyl-4-chlorophenoxyacetic acid)	OSDWA †
Water (Organic) Base Neutral Acid Extractables (BNA) - Water (030) NAB-W-001; modified from EPA 8270D GC/MS 1-Methylnaphthalene 1-Methylnaphthalene + 2-Methylnaphthalene (Calculation) 1,2-Dichlorobenzene 1,2,4-Trichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2-Chloronaphthalene 2-Chlorophenol 2-Methylnaphthalene 2-Methylphenol (o-Cresol) 2-Nitrophenol 2,3,4,6-tetrachlorophenol 2,4+2,6-Dinitrotoluene (Calculation) 2,4-dichlorophenol 2,4-dichlorophenoxyacetic acid 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,4,5-Trichlorophenol 2,4,5-trichlorophenoxyacetic acid 2,4,6-trichlorophenol 2,6-Dinitrotoluene (2,6-DNT) 3,3-Dichlorobenzidine 4-Chloro-3-methylphenol 4-Chloroaniline (p-Chloroaniline) 4-Chlorophenyl phenyl ether 4-Methylphenol (p-Cresol) 4-Nitrophenol	OSDWA †

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4,6-Dinitro-2-methylphenol
Acenaphthene
Acenaphthylene
Alachlor
Aldicarb
Anthracene
Atrazine
Azinphos-methyl
Azobenzene
Bendiocarb
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Biphenyl (1,1-Biphenyl)
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl) ether
Bis(2-chloroisopropyl) ether
Bis(2-ethylhexyl) phthalate (Diethylhexyl phthalate)
Bromoxynil
Butyl benzyl phthalate
Carbaryl
Carbazole
Carbofuran
Chlorpyrifos ethyl
Chrysene
Cyanazine
Desethyl atrazine
Di-n-butyl phthalate
Di-n-octyl phthalate
Diazinon
Dibenzo(a,h)anthracene
Dibenzofuran
Dicamba
Diclofop-methyl (as free acid)
Diethyl phthalate
Dimethoate
Dimethyl phthalate
Dinoseb
Diuron
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene

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Hexachloroethane
 Indeno(1,2,3 - cd)pyrene
 Isophorone
 Malathion
 Metolachlor
 Metribuzin
 N-Nitrosodi-n-propylamine
 N-Nitrosodiphenylamine
 Naphthalene
 Nitrobenzene
 Parathion (ethyl)
 PBDE 3 (4-Bromophenyl phenyl ether)
 Pentachlorophenol
 Phenanthrene
 Phenol
 Phorate
 Picloram
 Prometryne
 Pyrene
 Simazine
 Temephos (Abate)
 Terbufos
 Total PAHs (calculation)
 Triallate
 Trifluralin

Water (Organic)

OSDWA †

Diquat and Paraquat - Water (028)
 HPLCDIQ-001; modified from EPA 549.2
 HPLC
 Diquat
 Paraquat

Water (Organic)

OSDWA †

Glycols - Water (087)
 GLYCOL-01; modified from EPA 8015C
 GC/FID
 Diethylene glycol
 Ethylene glycol
 Propylene glycol

Water (Organic)

OSDWA †

Glyphosate - Water (031)
 GLYPH-002; modified from EPA 547
 DIRECT INJECTION HPLC
 Glyphosate

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Water (Organic)

OSDWA †

Pesticides and Polychlorinated Biphenyls (PCB) - Water (027)
PCB-001, PESTCL-001; modified from EPA 8081 and EPA 8082A

GC/ECD - EXTRACTION

2,4'-DDD (o,p'-DDD)

2,4'-DDE (o,p'-DDE)

4,4'-DDD (p,p'-DDD)

4,4'-DDE (p,p'-DDE)

A -BHC

a - Chlordane

Aldrin

Aldrin + Dieldrin (calculation)

beta-HCH (beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-BHC, beta-Hexachlorocyclohexane)

DDT + metabolites (Calculation)

delta-HCH (d-HCH, d-BHC, delta-BHC, delta-Hexachlorocyclohexane)

Dieldrin

Endosulfan I

Endosulfan I (a-Endosulfan) + Endosulfan II (b-Endosulfan) (calculation)

Endosulfan II

Endosulfan Sulfate

Endrin

Endrin Aldehyde

g - Chlordane

Heptachlor

Heptachlor epoxide

Hexachlorobenzene

Hexachlorobutadiene

Hexachlorocyclopentadiene

Hexachloroethane

Lindane (gamma-BHC)

Mirex

o,p' - DDT

Oxychlordane

p,p' - DDT

p,p' Methoxychlor

Total DDD (Calculation)

Total DDE (Calculation)

Total DDT (Calculation)

Total PCB

Water (Organic)

OSDWA †

Petroleum Hydrocarbons (PHC) - Water (050)
PHC-W-001; modified from ON MOECC E3398 and ON MOECC E3421

GC/FID - EXTRACTION

Diesel Range Organics (DRO): C10-C24

F2: C10-C16

F3: C16-C34

F4: C34-C50

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Heavy Oils: C24-C50

Total Petroleum Hydrocarbons (TPH) (C10-C50)

Water (Organic)

OSDWA †

Petroleum Hydrocarbons (PHC) - Water (059)

PHC-W-001; ON MOECC E3421

GRAVIMETRIC

F4: Gravimetric

Water (Organic)

Polychlorinated Biphenyls (PCB) - Water (082)

PCB-001, PESTCL-001; modified from EPA 8081 and EPA 8082A

GC/ECD - EXTRACTION

Aroclor 1242

Aroclor 1248

Aroclor 1254

Aroclor 1260

Total PCB

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