



CALA Scope of Accreditation

Laboratory Name: Laboratory Services Division, University of Guelph

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Standard: Conforms with requirements of ISO/IEC 17025:2017

Clients Served: All Interested Parties

Revised On: 12/11/2020

Valid To: 08/17/2024

083 - Coliforms

Field of Accreditation: Environmental

Matrix: Water

OSDWA[†]

Analytical Method: MEMBRANE FILTRATION (DC)

Preparation Method:

Lab Method ID(s): MID-137

Method Reference	Modified From	Analytical Method	Preparation Method
ON MECP E3407	Yes	Yes	No

Parameter

Background Counts
Escherichia coli
Total Coliforms

084 - Heterotrophic Plate Count (HPC)

Field of Accreditation: Environmental

Matrix: Water

OSDWA[†]

Analytical Method: MEMBRANE FILTRATION (M-HPC)

Preparation Method:

Lab Method ID(s): MID-142

Method Reference	Modified From	Analytical Method	Preparation Method
SM 9215 D	Yes	Yes	No

Parameter

Heterotrophic Plate Count (HPC)

086 - Heterotrophic Plate Count (HPC)

Field of Accreditation: Environmental

Matrix: Water

OSDWA[†]

Analytical Method: SPREAD PLATE (PCA)

Preparation Method:

Lab Method ID(s): MID-143

Method Reference	Modified From	Analytical Method	Preparation Method
SM 9215 C	Yes	Yes	No

Parameter

Heterotrophic Plate Count (HPC)

093 - Cryptosporidium and Giardia

Field of Accreditation: Environmental

Matrix: Water [Liquid Biosolid, Wastewater]

Analytical Method: POLYMERASE CHAIN REACTION (PCR)

Preparation Method:

Lab Method ID(s): MOL-170

Method Reference	Modified From	Analytical Method	Preparation Method
GOULDEN EK, 2003, UNIVERSITY OF GUELPH THESIS, DEPARTMENT OF FOOD SCIENCE	Yes	Yes	No

Parameter

Cryptosporidium parvum (C. parvum)
Giardia lamblia (Giardia intestinalis)

105 - Cryptosporidium and Giardia

Field of Accreditation: Environmental

Matrix: Biosolids

Analytical Method: POLYMERASE CHAIN REACTION (PCR)

Preparation Method:

Lab Method ID(s): MOL-170

Method Reference	Modified From	Analytical Method	Preparation Method
GOULDEN EK, 2003, UNIV. OF GUELPH THESIS, DEPT OF FOOD SCIENCE	Yes	Yes	No

Parameter

Parameter

Cryptosporidium parvum (C. parvum)
Giardia lamblia (Giardia intestinalis)

107 - Acid Herbicides

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** LC/MS/MS**Preparation Method:** EXTRACTION**Lab Method ID(s):** CHEM-069

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

2,4,5-TP (Silvex)
2,4,5-Trichlorophenoxyacetic acid
2,4-Dichlorophenoxyacetic acid
2,4-Dichlorophenoxybutyric acid (2,4-DB)
2,4-Dichlorophenoxypropionic acid (2,4-DP, Dichlorprop)
Acifluorfen
Bentazon
Bromoxynil
Chloramben
Clopyralid
Dicamba
Dithiopyr
MCPA (2-Methyl-4-chlorophenoxyacetic acid)
MCPB (4-(4-chloro-2-methylphenoxy)butanoic acid)
MCPP (Mecoprop, Methylchlorophenoxypropionic acid)
Picloram
Triclopyr

108 - Pesticides

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** LC/MS/MS**Preparation Method:** EXTRACTION**Lab Method ID(s):** TOPS-142

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

Azinphos-methyl
Carbaryl
Carbofuran
Dimethoate
Diuron

109 - Pesticides

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** GC/MS/MS**Preparation Method:** EXTRACTION**Lab Method ID(s):** TOPS-142

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

a - Chlordane
A -BHC
Aldrin
Atrazine
Bendiocarb
Chlorpyrifos ethyl
Cyanazine
Diazinon
Dieldrin
Endosulfan I
Endosulfan II
Endrin
g - Chlordane
Heptachlor
Lindane (gamma-BHC)
Malathion
Metolachlor
Metribuzin
Mirex
o,p' - DDT

Parameter

p,p' - DDT
 p,p' Methoxychlor
 Parathion (ethyl)
 Phorate
 Terbufos
 Trifluralin

110 - Glyphosate and Aminomethylphosphonic acid (AMPA)

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** LC/MS/MS**Preparation Method:****Lab Method ID(s):** TOPS-120

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

Glyphosate

111 - Metals

Field of Accreditation: Environmental**Matrix:** Solids [Biosolid, Soil]**Analytical Method:** ICP/MS**Preparation Method:****Lab Method ID(s):** CHEM-114

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

Arsenic
 Cadmium
 Chromium
 Cobalt
 Copper
 Lead
 Mercury
 Molybdenum
 Nickel
 Selenium
 Zinc

112 - Metals

Field of Accreditation: Environmental**Matrix:** Water [Liquid Biosolid]**Analytical Method:** ICP/MS**Preparation Method:****Lab Method ID(s):** CHEM-114

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

Arsenic
 Cadmium
 Chromium
 Cobalt
 Copper
 Lead
 Mercury
 Molybdenum
 Nickel
 Selenium
 Zinc

† "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