



CALA Scope of Accreditation

Laboratory Name: Nautilus Environmental Inc. (Calgary)

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

Clients Served: All Interested Parties

Revised On: 03/22/2022

Valid To: 06/22/2025

001 - Rainbow Trout

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: ACUTE LETHALITY (SURVIVAL)

Preparation Method:

Lab Method ID(s): WTR-ME-041

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/13	No	Yes	No
EPS 1/RM/9	No	Yes	No

Parameter

Single Concentration (96h)
Trout LC50 (96 h)

002 - Daphnia magna

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: ACUTE LETHALITY (SURVIVAL)

Preparation Method:

Lab Method ID(s): WTR-ME-015

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/11	No	Yes	No
EPS 1/RM/14	No	Yes	No

Parameter

Daphnia LC50 (48 h)
Daphnia Single Concentration (48h)

003 - Microtox

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: BIOLUMINESCENCE

Preparation Method:

Lab Method ID(s): SOIL-ME-001

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/24	No	Yes	No

Parameter

Microtox IC50 (15 min)

006 - Ceriodaphnia dubia

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: SURVIVAL AND REPRODUCTION

Preparation Method:

Lab Method ID(s): WTR-ME-018

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/21	No	Yes	No

Parameter

Ceriodaphnia dubia (7d)

007 - Fathead Minnow

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: SURVIVAL AND GROWTH

Preparation Method:

Lab Method ID(s): WTR-ME-046

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/22	No	Yes	No

ParameterFathead minnow (*Pimephales promelas*)**008 - Pseudokirchneriella subcapitata**

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** GROWTH INHIBITION**Preparation Method:****Lab Method ID(s):** WTR-ME-034

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/25	No	Yes	No

ParameterFreshwater alga (*Pseudokirchneriella subcapitata*)**017 - Lemna minor**

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** GROWTH INHIBITION**Preparation Method:****Lab Method ID(s):** WTR-ME-030

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/37	No	Yes	No

ParameterFreshwater macrophyte (*Lemna minor*)**057 - Rainbow Trout [pH Stabilization]**

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** LETHALITY**Preparation Method:****Lab Method ID(s):** WTR-ME-062

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/13	No	Yes	No
EPS 1/RM/50	No	Yes	No

Parameter

Single Concentration (96h)

Trout LC50 (96h)

059 - Hyalella azteca

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** SURVIVAL AND GROWTH**Preparation Method:****Lab Method ID(s):** WTR-ME-065

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/33	No	Yes	No

Parameter

Hyalella azteca

† "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