



# CALA Scope of Accreditation

**Laboratory Name:** Nautilus Environmental Inc. (Puslinch)

**Client ID:** 1002803

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

**Clients Served:**

**Revised On:** 10/14/2022

**Valid To:** 12/26/2024

## 001 - Rainbow Trout

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**Field of Accreditation:** Environmental

**Matrix:** Water

**Analytical Method:** ACUTE LETHALITY (SURVIVAL)

**Preparation Method:**

**Lab Method ID(s):** SOP 240, SOP 308, SOP 330

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

**Parameter**

Trout LC50 (96 h)

Trout Single Concentration (96h)

## 002 - Daphnia magna

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**Field of Accreditation:** Environmental

**Matrix:** Water

**Analytical Method:** ACUTE LETHALITY (SURVIVAL)

**Preparation Method:**

**Lab Method ID(s):** SOP 230, SOP 305, SOP 310

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 - Fathead Minnow

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**Field of Accreditation:** Environmental

**Matrix:** Water

**Analytical Method:** SURVIVAL AND GROWTH

**Preparation Method:**

**Lab Method ID(s):** SOP 220, SOP 321

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

**Parameter**

Fathead minnow

## 004 - Ceriodaphnia dubia

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**Field of Accreditation:** Environmental

**Matrix:** Water

**Analytical Method:** SURVIVAL AND REPRODUCTION

**Preparation Method:**

**Lab Method ID(s):** SOP 250, SOP 322

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

**Parameter**

Ceriodaphnia dubia (7d)

## 007 - Echinoid Fertilization

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**Field of Accreditation:** Environmental

**Matrix:** Water

**Analytical Method:** FERTILIZATION SUCCESS

**Preparation Method:**

**Lab Method ID(s):** SOP 291, SOP 372

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/27	No	Yes	No

**Parameter**

Sea Urchin Fertilization

**009 - Silverside**

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**Field of Accreditation:** Environmental**Matrix:** Water**Analytical Method:** SURVIVAL AND GROWTH**Preparation Method:****Lab Method ID(s):** SOP 371

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 1006.0	Yes	Yes	No
EPA 821/R-02/014	Yes	Yes	No

**Parameter**

Silverside

**010 - Hyalella azteca**

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**Field of Accreditation:** Environmental**Matrix:** Solids [Sediment]**Analytical Method:** SURVIVAL AND GROWTH**Preparation Method:****Lab Method ID(s):** SOP 270, SOP 390

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

**Parameter**

Hyalella azteca

**011 - Chironomids**

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**Field of Accreditation:** Environmental**Matrix:** Solids [Sediment]**Analytical Method:** SURVIVAL AND GROWTH**Preparation Method:****Lab Method ID(s):** SOP 271, SOP 391

Method Reference	Modified From	Analytical Method	Preparation Method
EPS 1/RM/32	No	Yes	No

**Parameter**Chironomus dilutus (formerly Chironomus tentans)  
Chironomus riparius**013 - Lemna minor**

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**Field of Accreditation:** Environmental**Matrix:** Water**Analytical Method:** GROWTH INHIBITION**Preparation Method:****Lab Method ID(s):** SOP 280, SOP 382

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

**Parameter**

Lemna minor

**014 - Pseudokirchneriella subcapitata**

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**Field of Accreditation:** Environmental**Matrix:** Water**Analytical Method:** GROWTH INHIBITION**Preparation Method:****Lab Method ID(s):** SOP 206, SOP 306

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

**Parameter**

Pseudokirchneriella subcapitata

**027 - Ready Biodegradability**

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**Field of Accreditation:** Environmental**Matrix:** Water**Analytical Method:** CLOSED BOTTLE TEST**Preparation Method:****Lab Method ID(s):** SOP 392

Method Reference	Modified From	Analytical Method	Preparation Method
OECD 301 D	Yes	Yes	No

**Parameter**

Percent Degradation

**028 - Rainbow Trout [pH Stabilization]**

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**Field of Accreditation:** Environmental**Matrix:** Water**Analytical Method:** ACUTE LETHALITY (SURVIVAL)**Preparation Method:****Lab Method ID(s):** SOP 330

<b>Method Reference</b>	<b>Modified From</b>	<b>Analytical Method</b>	<b>Preparation Method</b>
EPS 1/RM/13	No	Yes	No
EPS 1/RM/50	No	Yes	No
STB 1/RM/59	No	Yes	No

**Parameter**

Trout LC50 (96h) - pH Stabilization

Trout Single Concentration (96h) - pH Stabilization

† "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](http://www.cala.ca/cala_directories.html)

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