

# Proficiency Testing Naphthenic Acids in Water



Environment and  
Climate Change Canada

Environnement et  
Changement climatique Canada



**CALA**  
Proficiency Testing

## **1.0 BACKGROUND**

The Canadian Association For Laboratory Accreditation (CALA) and Environment and Climate Change Canada (ECCC) are jointly coordinating a Proficiency Testing study for total naphthenic acids in water. This study is tentatively scheduled to ship May 16, 2016.

## **2.0 PT Scheme**

The PT study will be coordinated in conformance to ISO/IEC 17043: 2010 (*Conformity assessment - General requirements for proficiency testing*) and ISO 13528: 2015 (*Statistical methods for use in proficiency testing by interlaboratory comparison*).

The study will consist of nine samples in triplicate 250 mL bottles preserved in 0.1% NH<sub>4</sub>OH. Participants will analyse the contents of each bottle for Total Naphthenic Acids (C<sub>n</sub>H<sub>2n</sub>+Z<sub>O2</sub>) in units of mg/L and report results to CALA by midnight of the reporting deadline. A result will be expected for each bottle (27 results). To facilitate reporting, each participant will receive an EXCEL template and study instructions prior to the study shipment date.

The reported data will be evaluated jointly by CALA and ECCC, and a final summary report will be produced. This report will maintain participant confidentiality through the use of ECCC assigned participant codes. The report will include detailed statistical summaries, an evaluation of performance for each participant, and various graphical representations of the data.

## **3.0 Application Process**

Interested participants are asked to complete section 4.0 below and sign the terms and conditions of participation in section 5.0.

The completed application is to be emailed to Ken Middlebrook ([kmiddlebrook@cala.ca](mailto:kmiddlebrook@cala.ca)) by May 4 2016. Upon receipt of the application, the participant will be issued an invoice as per the fee schedule detailed in section 6.0. Payment must be made by cheque, wire transfer or credit card (Visa or Mastercard) prior to the shipment date.

#### 4.0 Laboratory Information

Please complete all information in the following table.

CALA File No. (if applicable):
Laboratory Name:
<b>Shipping Address</b>
Street:
City:
Province/State:
Postal Code:
Country:
<b>Contact Information</b>
Contact Name:
Email:
Phone:
Fax:
<b>Withholding Tax (International Participants Only)</b>
Withholding Tax Required: <input type="checkbox"/> Yes <input type="checkbox"/> No Amount of tax: _____ %

#### 5.0 Terms and Conditions

As an Authorized Representative of this laboratory, I agree to the general terms and conditions detailed below:

1. Pay the appropriate fees as detailed in section 6.0 below.
2. Acknowledge and agree that CALA is not responsible for the costs and administration of customs clearance
3. Acknowledge and agree that all dealings between the laboratory and CALA shall be governed by the laws of the Province of Ontario (without reference to its choice of laws and conflict of law rules). Any action or proceeding commenced by either party against the other shall be commenced at and heard in the City of Ottawa, Ontario, Canada, and each party irrevocably submits to the jurisdiction of the courts of the Province of Ontario and waives any objection they may have to either the jurisdiction of or venue in such courts.
4. Provide the results to CALA, in the manner specified, by the due date specified on the Instruction Sheet.
5. The samples must be treated as "routine samples" (i.e., defined as the work flow and level of effort followed for the majority of customer samples analyzed using the registered method).
6. Acknowledge and agree that CALA, and CALA's directors, officers, employees, and agents shall not be liable to the laboratory for any claims, damages, expenses, demands, losses, including lost revenue or profits, or any special, consequential or indirect damages whatsoever, arising from or incidental to the performance evaluation assigned the laboratory in the PT report.

## 6.0 Applicable Fees

On receipt of this completed application, CALA will invoice the participant \$770 CDN. The invoice will also contain the shipping costs as per the table below.

Canada	\$110
United States	\$110
Europe and UK	\$215
South America	\$390
Africa	\$400
Asia	\$320

## AUTHORIZING SIGNATURE

The undersigned agree to the terms of reference detailed in Section 5 above.

\_\_\_\_\_  
Authorized Representative

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
DD/MM/YY