



Ref : 14th UILI ILP 2017
Version : 5.0
Date : June, 2017
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INSTRUCTION SHEET

June, 2017

1. Test name

14th UILI Interlaboratory Practice 2017 “Nitrate, Silicate, and Phosphate in Natural Water”

Aimed as a global exercise for laboratories in different countries of the world

2. Provider

ILP Committee, Union Internationale des Laboratoires Indépendants (UILI)

3. Time schedule

- a) Deadline of application: July 1, 2017
- b) Distribution of test samples: July 1, 2017
- c) Deadline of reporting: September 1, 2017
- d) Issue of final report: December, 2017

[NOTE]

- No reports, including resubmitting after due date are acceptable.
- Date of sample distribution differs among participants according to application date and shipping condition.

4. Method of participation

Submit sheet “PARTICIPANT CONTACT DETAILS” attached or include the following information in your e-mail to Ms. Melissa Fernández Valero, UILI secretary at secretariat@uili.org by **July 1, 2017**.

✓ ILP Number / Name	14 / Nitrate, Silicate and Phosphate in Natural Water
✓ Participant	<i>Company name, Contact person, Subscriber e-mail, Phone</i>
✓ Sample delivery	<i>Company name, House name, Street, House number, P.O. Box, Section, Postal code, City, State, Country</i>
✓ Invoicing	<i>Company name, VAT / Tax ID / NIF / CIF number, Contact person, Invoice e-mail</i>
✓ Reporting	<i>Contact person, Report e-mail</i>

5. Participation fee

a) Participation fee

UILI Member : € 225.00 (for 1 set, not for 1 bottle)
UILI Non-Member : € 325.00 (for 1 set, not for 1 bottle)

b) Method of payment

Invoice will be sent to you by e-mail after your application is completed.

Payments should be made to our bank account at:

ABN AMRO BANK - BIC: ABNANL2A - IBAN: NL79ABNA0533251109

c) Participation fee includes:

- 1) Testing samples
- 2) Shipping charge for samples
- 3) Final report in electronic file
- 4) Certificate / diploma

6. Samples for analysis

a) Name of test sample, printed on each label.

- 1) Sample 1: UILI-ILP 14-2017 natural water-1
- 2) Sample 2: UILI-ILP 14-2017 natural water-2

b) Container of testing sample.

100ml of sample is contained in 100 ml volume plastic bottle.

7. Targets (3 items)

Nitrate-nitrogen (NO_3^-)

Silicate-silicon (SiO_2)

Phosphate-phosphorus (PO_4^{3-})

a) Expected concentration range

Target's concentration ranges expected in the sample are shown in the list below.

Participants should take in account that **Sodium carbonate (Na_2CO_3) is added in sample solution.**

Target	Concentration Range (Unit: mg/L)
Nitrate-nitrogen (NO_3^-)	0.5 - 5
Silicate-silicon (SiO_2)	0.5 - 5

Phosphate-phosphorus (PO_4^{3-})	0.5 - 5
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b) The sample has no “Certified Value”.

8. Analytical procedure

Pretreatment and analytical method is not designated in the test. Participating laboratories are to select analysis methods from “METHODS FOR PRE-TREATMENT AND INSTRUMENTAL MEASUREMENT” attached, and should indicate the number for each target in reporting sheet “RESULT OF ANALYSIS FOR 14TH UILI-ILP”, attached as well. Filtering is not required in the test.

9. Data reporting

- a) Report concentration of NO_3^- , SiO_2 , and PO_4^{3-} . and day test was conducted.
- b) Independent analyses are requested to be carried out twice from sample preparation including weighing. Report the “mean value” of these 2 data (Original data before calculation is not needed). If you cannot analyze twice (in case of sample lack), reporting one data is acceptable.
- c) Report a data set of Sample 1 and 2. The data is requested to be rounded in **3 significant figures**. We don't accept data only reporting either of Sample 1 or 2.
- d) Participants are able to report the result of the test's target they choose. For instance, if there is a laboratory preferred to report only the result of NO_3^- , this is acceptable.
- e) Reporting rules.
 - i. Participants are requested to indicate method No. of “Pre-treatment” and “Measurement by Instrument” referring to table (A) and (B) of “METHODS FOR PRE-TREATMENT AND INSTRUMENTAL MEASUREMENT” attached. If your laboratory selected more than 2 methods combined, report all method numbers in the same column. The list “METHODS FOR PRE-TREATMENT AND INSTRUMENTAL MEASUREMENT” will be announced before sample distribution.
 - ii. Participants who selected method “others” should indicate name of the method in column “notes”. If method was selected “others” and column “notes” was left blank, UILI will require resubmitting of the report.
 - iii. Use unit “mg/L” for reporting data of Sample 1 and 2.



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- iv. Data reporting/resubmitting is requested to use format “RESULT OF ANALYSIS FOR 14TH UILI-ILP”. Reporting in different format is unacceptable. If non-UILI format is submitted, UILI will require resubmitting of the report.

- f) Send the report to Ms. Melissa Fernández Valero (UILI secretary) at [<secretariat@uili.org>](mailto:secretariat@uili.org) by **September 1, 2017**. Reports after due date are unacceptable which is the same in the case of resubmitting.

10. Final report

- a) Final report will be issued on December 2017.

- b) Final report will be issued in electronic file and sent to participating laboratories via email.

- c) Name of statistical analysis and corresponding standards expected to be used in the final report is shown below.
 - i. z-score: ISO/IEC 17043
 - ii. Quartile Method (robust statistics method): APLAC T002
 - iii. Confidence Ellipse for “Youden Plot”: ISO 13528

- d) As far as analytical method is not designated for this test and median value is not always equal to “true value”, evaluation by statistic will be inadequate.

- e) Final report includes a list of participating laboratories. There is also a list of results, however reporting laboratories here are indicated in identification numbers for confidential reason. Each participating laboratory will be informed its number in a separate letter attached to the final report.

11. Others

- a) The test or test results (final report) is not aimed to evaluate the performance of laboratories or its personnel by the test organizer nor third person.

- b) Laboratories participated will receive a certificate issued by UILI for its participation.

- c) This announcement is not the final version until sample distribution. We encourage applicants to check the latest information.



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