

ANNOUNCEMENT

UILI-ILP (Inter-Laboratory Practice 6th)

Diciembre 2011

1. Name of Testing

UILI-ILP (Inter-Laboratory Practice 6th)
“Metals in Saline Water”
 (“Metales en Agua Salina”)

2. Provider

ILP Committee, Union Internationale des Laboratoires Indépendants (UILI)

3. Calendario

- (a) Fecha límite de inscripción: **31 de enero de 2012**
- (b) Envío de Muestras: **Febrero 2012**
- (c) Fecha límite de envío de resultados: **31 de marzo de 2012**
- (d) Informe final: **31 de agosto de 2012**

Muy importante:

- Debido al carácter mundial del interlaboratorio, es posible que se produzcan demoras durante el calendario, en especial en el envío del informe final.
- Todas las muestras llegarán a la sede de FELAB/EUROLAB/AELI y desde aquí se reenviarán a los participantes.
- Los resultados se enviarán directamente por parte del laboratorio participante al organizador (identificando las mismas), con copia a secretaria.administrativa@felab.org
- Cualquier incidencia debe comunicarse a secretaria.administrativa@felab.org, si tal incidencia requiere consultarse con la organización internacional UILI, ésta deberá remitirse escrita en inglés.

4. Inscripciones

Enviar un correo electrónico a la atención de Dña. Elena García Hernanz al e-mail secretaria.administrativa@felab.org, indicando:

- (a) Nombre completo del laboratorio / entidad / organización.**
- (b) Dirección completa para el envío de muestras (indicando la persona a la que se le deben enviar las muestras si es distinta de la persona de contacto).**
- (c) Nombre, Teléfono y Correo Electrónico de la persona de contacto.**
- (d) Dirección de Facturación.**
- (e) CIF del laboratorio.**
- (f) Número de pedido en el caso de que su laboratorio / entidad / organización así lo requiera para ser indicado en la factura).**
- (g) Nombre de la persona a la que se debe enviar la factura si es distinta de la persona de contacto.**
- (h) Teléfono, Fax y Correo electrónico del laboratorio.**

5. Precio del Programa

- (a) Precio por 1 set de muestras (2 botellas):**
 - Asociados de AELI: 250,00€ + 18% IVA = 295,00€**
 - Asociados de EUROLAB-España: 450,00€ + 18% IVA = 531,00€**
 - Inscripción General (No asociados): 600,00€ + 18% IVA = 708,00€**

- (c) Participation Fee includes:**
 - (1) Samples for the Testing
 - (2) Shipping Charge of Samples
 - (3) Final Report (electronic media; issued by UILI)
 - (4) Certification/Diploma (printed paper; issued by UILI)
 - (5) Shipping Charge of "Certification/Diploma"

6. Muestras para Análisis

- (a) Name of Testing Sample (printed on each label)
 - (1) UILI-ILP Sample-2012 "Liquid-No.1"
 - (2) UILI-ILP Sample-2012 "Liquid-No.2"
- (b) Container of Testing Sample *et al.*
 - (1) 100mL of sample is contained in 100mL volume plastic bottle.
 - (2) There are 2 bottles per a set, a pair of different concentration for target compounds.

7. Target Compounds for Analysis

(a) Metals (6 items)

Cadmium (Cd)

Chromium (Cr)

Manganese (Mn)

Lead (Pb)

Copper (Cu)

Nickel (Ni)

(b) Expected Concentration Range

Target Compounds	Concentration Range (µg/L)	
	Liquid-No.1	Liquid-No.2
Cadmium (Cd)	1 - 100	1 - 100
Chromium (Cr)	1 - 100	1 - 100
Manganese (Mn)	1 - 100	1 - 100
Lead (Pb)	1 - 100	1 - 100
Copper (Cu)	1 - 100	1 - 100
Nickel (Ni)	1 - 100	1 - 100

(c) Samples have no “Assigned Value” such as “Reference Value” and/or “Certified Value” related for “True Value”.

8. Analytical Procedure

(a) Considering that the sample contains following ions, pre-treatment is required in this test.

Ions Contained	Approx. Concentration (g/kg)
Cl ⁻	19
Na ⁺	10
SO ₄ ²⁻	3
Mg ²⁺	1
Ca ²⁺	0.4
K ⁺	0.4
HCO ₃ ²⁻	0.1
Br ⁻	0.06

(b) Analytical method is not limited (provider do not instruct). Participating laboratory can select the method for pre-treatment and instrumental measurement. Report a selected method No. from a table in “ATTACHMENT” which is attached at the end of this announcement.

9. Report of Analytical Results

Independent analyses are requested to be carried out twice from sample preparation. Report the “mean value” of these 2 data (Original data before the calculation of “mean value” is not needed. Statistical values such as “standard deviation” are not needed). If you cannot analyze twice (e.g. in case of sample lack), reporting one data is acceptable.

(a) Round reporting values in significant 3 figures, according to ISO31-0:1992, Quantities and units - Part 0: General principles, Annex B (Guide to the rounding of numbers).

(b) Report should be done by a data set of “Liquid-No.1” and “Liquid-No.2”.

(c) A “non-full set result” is acceptable (e.g. In case that your laboratory prefers to report only on “Cadmium”, report only the result of “Cadmium”).

(d) Method Reporting

(1) Fill in the form “Result of Analysis” which is attached at the end of this announcement.

(2) Report No. of analytical methods (“Pre-treatment” and “Measurement by Instrument”) referring to “ATTACHMENT” (table (A) and (B)) which is attached at the end of this announcement.

(3) Use unit “µg/L” for reporting value.

(4) Please meet the deadline: March 31, 2012.

10. Issue of the Final Report by UILI

(a) Final report will be issued on August 2012 by electronic media for participants.

(b) The following methods will be adopted for statistical analysis. The report will include these statistics.

(1) z-score: by ISO/IEC 17043 and related standards

(2) Quartile Method (robust statistics method): by APLAC “T001”

(3) Confidence Ellipse for Youden Plot” by ISO 13528

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

(d) A list of participating laboratories will be included in the report. The result of each laboratory will be shown by “laboratory identification numbers”. However, the relationship between the “laboratory identification numbers” and the “names of participating laboratories” will not be indicated. Your identification number will be informed in the letter attached, separated with the report.

11. Others

(a) This proficiency test is an International Proficiency Testing Program, a continual testing program scheduled by UILLI.

(b) This proficiency test or the final reports on the test results is not aimed to assess the performance of the laboratories or relating personnel by the organizer of the test or third person.

(c) Participants to this proficiency test will be issued a Certificate for Participation by UILLI.

UILI-ILP Committee Member

UILI Position	Name	Representing Country	Name of Association
President	Dr. Manahan Fernández Alonso	Spain	Asociación Española de Laboratorios Independientes (AELI)
Former President	Dr. Hideo Tabata	Japan	Japan Environmental Measurement & Chemical Analysis Association(JEMCA)
Vice President	Mr. Jan Soers	Belgium	Union Professionnelle des Laboratoires d'Essais, d'Analyses et de Recherches (UPLERAR)
Treasurer	Mr. G G McIntee	Canada	Canadian Council of Independent Laboratories (CCIL)
Secretary General	Drs Luc H A Scholtis	Netherlands	Vereniging van Raadgevend Scheikundige Laboratoria (VRS)
	Mr. François Vigneau	France	Association Professionnelle des Sociétés françaises de Contrôle en Laboratoire (APROLAB)

ATTACHMENT

(A) Pre-treatment

No.	Method
1	Liquid-liquid extraction
2	Solid phase extraction
3	Co-precipitation
4	Only dilution
5	Direct Measurement
6	Others

(B) Measurement by Instrument

No.	Instrument
1	Atomic absorption spectrophotometry (flame)
2	Atomic absorption spectrophotometry (furnace)
3	ICP-AES
4	ICP-MS
5	Ion-selective electrode
6	Polarography
7	Stripping voltammetry (anodic/cathodic/adsorptive)
8	Neutron radio activation
9	Colorimetry (absorptiometry)
10	Spectrofluorometry
11	Others

Result of Analysis

Target Compounds	Pre-treatment No.	Measurement by Instrument No.	Result of Analysis (µg /L)	
			Sample-2012 "Liquid-No.1"	Sample-2012 "Liquid-No.2"
Cd				
Cr				
Mn				
Pb				
Cu				
Ni				

Send result to uili@magma.ca (Ms. Francine Fortier) by March 31, 2012.

Enviar resultados a uili@magma.ca (Ms. Francine Fortier) antes del 31 de Marzo de 2012, con copia a secretaria.administrativa@felab.org (Elena García Hernanz)