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European Proficiency Testing Scheme « Alkylphenol and Bisphenol A »

Bipea and his european partners (PTWFD network: www.pt-wfd.eu) are launching a Proficiency Testing Scheme on Alkylphenol and Bisphenol A in order to check the chemical analysis of priority and other substances in the context of chemical monitoring for the European Water Framework Directive (WFD), especially for compliance of surface waters with Environmental Quality Standards (EQS). This PTS will be prepared by a central organizer partner of Bipea. In order to offer you the best service during this PTS, we will proceed to registration, to the shipment of the samples and the collect of the results.

Parameters :

Nonylphenol
Octylphenol
Bisphenol A

Matrix :

Surface water including suspended particulate matter (SPM).

Parameters	AA-EQS [$\mu\text{g/l}$]	PT concentration range [$\mu\text{g/l}$]
Nonylphenol	0.3	0,08 – 1.0
Octylphenol	0.1	0.02-1.0
Bisphenol A	-	0.02-1.0

AA: Annual Average

Parameters are taken from annex A (priority substances) and annex B (other pollutants) of the EQS- DIRECTIVE 2008/105/EC.

Dates and deadlines :

1. Application deadline: 31st August 2010
Please apply for this PT with the enclosed registration form
2. Dispatch of the samples: 13th October 2010
3. Deadline for results: 11th November 2010, 24:00h

Spiked real surface water samples including natural suspended matter will be used as PT samples (whole water samples). Large particles (e.g. leaves, little branches ...) will be rejected by filtration.

Sample containers

1000 ml ground glass bottles – two per sample

Sample conservation

Cooling during storage and transport.

Samples per participant

Each participant will get 3 samples consisting of 2 bottles each, i.e. in total 6 bottles.

Sample dispatch

Samples will be sent by express courier service.

Permitted analytical methods

Participants are free to choose a suitable method.

Limit of quantification

The analytical method must achieve the following limits of quantification:

Parameters	LOQ [$\mu\text{g/l}$]
Nonylphenol	0.08
Octylphenol	0.02
Bisphenol A	0.02

The LOQ requirements are based on the requirements of article 4 of the "Draft commission directive of the European communities for the technical specifications for chemical analysis and monitoring of water status in the context of the water framework directive". The limits correspond to 30 % of the environmental quality standards (EQS) of the directive 2008/105/EG on environmental quality standards in the field of water policy.

Evaluation

The statistical evaluation of the PT is carried out using the Algorithm A mean of all data as assigned value X according to ISO 13528 (Annex C), a robust statistical method.

The standard deviation for proficiency assessment (SDPA) is calculated in compliance with the requirements of the "PT-WFD"- network: $\text{SDPA} = 0.25 \cdot X$.

If measurement uncertainties are reported by the participants \square -scores will also be reported for information.

Assessment

For each measured value x, a z-score is calculated from the assigned value X and SDPA according to following formula:

$$z = \frac{(x - X)}{\text{SDPA}}$$

The assessment of the results is as follows:



	$ z \leq 2,0$	satisfactory
2,0	$< z < 3,0$	questionable
	$ z \geq 3,0$	unsatisfactory

Certificate

For each parameter it will be stated, how many values are satisfactory, questionable or unsatisfactory.

The results reported as below (<) limit of quantification will be assessed as "unsatisfactory".

Reporting

There will be a final report provided by the central organizer and eventually reports in other European languages prepared by the local organisers.

The report will include:

- a) description of the statistical evaluation of results;
- b) statistical evaluation of results with graphs and tables;
- c) performance evaluation with the assigned Z-scores.

Cost of participation :

Participation fee for this PTS is 595 € HT express transport included. Please send us the registration form enclosed by e-mail or by fax at the address below.

Contact :

Tel: +33 (0) 147335460

Fax: +33 (0) 140869259

inassibou@bipea.org

WFD PT members :



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	<p>BSG Institute of Hygiene and Environment Hamburg GERMANY</p>
	<p>LGC Standards Proficiency Testing Europa Business Park Barcroft Street, Bury Lancashire, BL9 5BT UNITED KINGDOM</p>
	<p>Kemijski Institut Ljubljana Slovenija (National Institute of Chemistry Slovenia) PO Box 660, Hajdrihova 19 - Ljubljana SI-1001 SLOVENIA</p>
	<p>QUALITYCONSULT "Associazione per lo sviluppo della qualità ambientale" Via G. Bettolo 4 00195 Roma ITALY</p>
	<p>VITUKI Non-profit Ltd., Quality Assurance and Control Kvassay Jeno út 1. 1095 Budapest HUNGARY</p>
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Participation form

Laboratory name :

Member Code :

I want to register to the PTS on Alklyphenol and Bisphenol A co-organised by Bipea.

Date :

Signature :

Order Form N°