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European Proficiency Testing Scheme « Organotin compounds in surface water ».

Bipea and his european partners (PTWFD network: www.pt-wfd.eu) are launching a Proficiency Testing Scheme "Organotin compounds in surface water" 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 :

Dibutyltin (DBT)
Tributyltin (TBT)
Diphenyltin (DPT)
Triphenyltin (TPT)

Matrix :

Surface water, not containing suspended particulate matter (SPM).

Parameters	AA-EQS [ng/l]
Dibutyltin (DBT)	0.2*
Tributyltin (TBT)	0.2
Diphenyltin (DPT)	0.2*
Triphenyltin (TPT)	0.2*

AA: Annual Average

* EQS levels are specified for tributyltin only

Dates and deadlines

- Application deadline: 31/08/2010

Please apply for this PT with the enclosed registration form.

- Dispatch of the samples: 09/11/2010
- Deadline for result submission: 10/12/2010, 24:00h

Sample dispatch

Samples will be sent by courier service.

Sample details

Three different surface water test samples at three levels of analyte concentration will be distributed in 2000 ml, screw capped, glass bottles. Samples will be preserved by cooling, prior to and during sample dispatch.

Permitted analytical methods

Participants are free to use their routine analytical method of choice.

Limit of quantification

The analytical method must achieve the following limits of quantification:

Parameters	LOQ [ng/l]
Dibutyltin (DBT)	0.06
Tributyltin (TBT)	0.06
Diphenyltin (DPT)	0.06
Triphenyltin (TPT)	0.06

The limits are based on the requirements of article 4 of the commission directive 2009/90/EC 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 standards 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: $SDPA = 0.25 * X$.

Assessment

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

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

The assessment of the results is as follows:

$ z \leq 2.0$	satisfactory
$2.0 < z < 3.0$	questionable
$ z \geq 3.0$	unsatisfactory

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

Reporting

There will be a final report provided in English.

Participation fee :



Participation fee for this PTS is 520 € HT express transport included. Please feel free to fill the registration form and send it to us by fax or by e-mail.

Contact

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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 Jenő út 1. 1095 Budapest HUNGARY</p>
	<p>SYKE Finnish Environment Institute Hakuninmaantie FIN-00251 Helsinki FINLAND</p>

Contact

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Participation form

Laboratory name :

Member Code :

I want to register to the PTS on Organotin compounds in surface water » co-organised by Bipea.

Date :**Signature :****Order Form N°**