The co-operating PT Providers

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PT-WFD

Network of PT Providers to Support the Implementation of the Water Framework Directive (WFD)

Programme 2009: dispatch on 14th October

Selected Pesticides Relevant to the WFD in Surface Waters

Aim of the PT-WFD Proficiency Tests

To check the chemical analysis of priority and other substances in the context of chemical monitoring for the European Water Framework Directive, especially for compliance of surface waters with Environmental Quality Standards (EQS).

Special benefits of network PTs

- international comparison with EU laboratories
- lower management costs
- higher number of participants allowing more significant statistical evaluation

Who should participate?

All laboratories involved in the monitoring of surface waters. Of course participation could also be helpful for other water testing laboratories.

Organisation

The PT exercise will be jointly organised by co-operating PT providers. The samples will be made and the results will be evaluated by the central organizer IWW Water Centre in Germany. Samples will be distributed by all partners. Identity of the participants will only be known by the PT provider where they apply.

Where to find more information?

For more information on this PT and on the PT-WFD network please visit the website

http://www.pt-wfd.eu

or contact one of the co-operating PT providers

Set of parameters (in surface water)

Parameter [a)]	AA-EQS [µg/l]	Required LOQ [µg/l]
Alachlor	0.3	0.09
Atrazine	0.6	0.18
Simazine	1	0.3
Chlorfenvinphos	0.1	0.03
Chlorpyrifos (Chlorpyrifos-ethyl)	0.03	0.009
Cyclodiene pesticides:	Σ=0.01	
- Aldrin		0.003
- Dieldrin		0.003
- Endrin		0.003
- Isodrin		0.003
DDT total*	0.025	0.0075
para-para-DDT	0.01	0.003
Hexachlorobenzene	0,01	0.003
Pentachlorobenzene	0.007	0.0021
Trifluralin [a)]	0.03	0.009
Alfa-Endosulfan	Σ=0.005	0.0015
Beta-Endosulfan		0.0015

Dates

Application deadline: **30.06.09**
Sample dispatch: **14.10.09**
Deadline for submission of results: **13.11.09, 24:00 h**

Sample Dispatch

Samples will be sent by courier service. Some of the PT providers will also allow to pick up the samples at the provider

Sample Details

Spiked real surface water samples **without** suspended solids (filtered) and "ready to analyse" will be used as PT samples.
3 x 2 surface water samples in 1000 ml ground glass-bottles. Cooling during storage and transport

Analytical Methods

Participants are free to choose a suitable method. The method has to fulfil (where ever possible) the LOQ requirements of the *"Draft QA/QC commission directive of the European communities.* The limits correspond to **30 % of the environmental quality standards** (EQS).

Execution of the Analysis

The samples must be analysed completely by the participating laboratory with own personnel and own equipment. Subcontracting of the analysis is not allowed.

Evaluation

Statistical evaluation using Algorithm A from ISO 13528 for calculation of the mean.
The consensus mean is used as assigned value (X).

Assessment

z-scores are used for the assessment of participants' results.
A fixed value of 0,25·X is used as standard deviation for proficiency assessment (SDPA).
Therefore the z-scores are calculated according to:

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

Criteria for Assessment

$\lvert z \rvert \leq 2{,}0$	**satisfactory**
$2{,}0 < \lvert z \rvert < 3{,}0$	questionable
$\lvert z \rvert \geq 3{,}0$	unsatisfactory

Participation fee

The fee will be 350,- €
plus transportation costs.

For details about transportation costs please consult your local proficiency test provider.

Report

The final report will be in English. Translations into German, Slovenian, Italian, Spanish and Hungarian will be made by the cooperating PT providers.