

The Co-operating PT Providers

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

www.pt-wfd.eu

Programme 2011

Proficiency tests according to WFD requirements

**(Priority substances
in whole water samples
at very low concentration ranges
below EQS)**

Programme 2011

PT-WFD 1/11:

“Priority heavy metals in surface water”

→ Organised by: Proftest SYKE, Finland
www.ymparisto.fi



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PT-WFD 2/11:

“New priority pesticides in surface water”

→ Organised by: AQS-BW, Germany
www.aqsbw.de



info@aqsbw.de

PT-WFD 3/11:

“Priority PAH in whole surface water”

→ Organised by: IWW, Germany
www.iww-online.de



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PT-WFD 4/11:

“Pharmaceuticals in whole surface water”

→ Organised by: BSG, Hamburg, Germany
www.hamburg.de/ringversuche



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PT-WFD 5/11:

“Chloroparaffins in whole surface water”

→ Organised by: A.G.L.A.E., France
www.association-aglae.fr/



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PT-WFD 6/11:

“Acrylamide in whole surface water”

→ Organised by: BIPEA, France
www.bipea.org/en/index.htm



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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 respective central organizer (see above). Samples will be distributed by all co-operating 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 these PTs and on the PT-WFD network please visit the website

<http://www.pt-wfd.eu>

or contact one of the co-operating PT providers.

Dates

Application deadlines will be fixed by the respective providers.

Sample Dispatch

Samples will be sent by express courier service. Some of the PT providers will also allow picking up the samples at the provider's offices.

Sample Details

Spiked real surface water samples "ready to analyse" will be used as PT samples.

Details will be provided by the responsible organisers.

Analytical Methods

Participants are free to choose a suitable method. The method has to fulfil (wherever 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.

Traceable assigned values derived from the preparation process will be preferred. If this is not possible the consensus mean will be used.

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). For some trace metals 0,10·X is used alternatively. Therefore the z-scores are calculated according to:

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

Criteria for Assessment

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

Participation fee

For details about the fee and transportation costs please consult the responsible proficiency test provider. It can be expected that the fee lies between 300,- and 500,- Euro, depending on the scope of the trial.

Report

The final reports will be in English. For reports in other languages please contact your local PT partner.