### Organising and co-operating PT Providers

<table>
<thead>
<tr>
<th>Provider</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A.G.L.A.E. Association</strong>&lt;br&gt;France&lt;br&gt;Central organising PT provider</td>
<td><a href="http://www.association-aglae.fr">www.association-aglae.fr</a>&lt;br&gt;<a href="mailto:karine.vidor@association-aglae.fr">karine.vidor@association-aglae.fr</a></td>
</tr>
<tr>
<td><strong>Institut für Hygiene und Umwelt&lt;br&gt;HU Hamburg</strong>&lt;br&gt;Germany</td>
<td><a href="http://www.hamburg.de/rinoversuche">www.hamburg.de/rinoversuche</a>&lt;br&gt;<a href="mailto:karla.ludwig-baxter@hu.hamburg.de">karla.ludwig-baxter@hu.hamburg.de</a></td>
</tr>
<tr>
<td><strong>Ielab Calidad, S.L.U</strong>&lt;br&gt;Spain</td>
<td><a href="http://www.ielab.es">www.ielab.es</a>&lt;br&gt;<a href="mailto:comercial@ielab.es">comercial@ielab.es</a></td>
</tr>
<tr>
<td><strong>Kemijski Institut Ljubljana Slovenija</strong>&lt;br&gt;Slovenia</td>
<td><a href="http://www.ki.si/en">www.ki.si/en</a>&lt;br&gt;<a href="mailto:info@ki.si">info@ki.si</a></td>
</tr>
<tr>
<td><strong>Proftest SYKE</strong>&lt;br&gt;Finland</td>
<td><a href="http://www.environment.fi/syke/proftest">www.environment.fi/syke/proftest</a>&lt;br&gt;<a href="mailto:proftest@environment.fi">proftest@environment.fi</a></td>
</tr>
<tr>
<td><strong>WESSLING International Research and Educational Center – WIREC</strong>&lt;br&gt;Hungary</td>
<td><a href="http://www.qualcoduna.hu">www.qualcoduna.hu</a>&lt;br&gt;<a href="mailto:info@qualcoduna.hu">info@qualcoduna.hu</a></td>
</tr>
<tr>
<td><strong>LGC Standards</strong>&lt;br&gt;Proficiency Testing&lt;br&gt;United Kingdom</td>
<td><a href="http://www.lgcpt.com">www.lgcpt.com</a>&lt;br&gt;<a href="mailto:customerservices@lgcpt.com">customerservices@lgcpt.com</a></td>
</tr>
<tr>
<td><strong>QUALITY CONSULT srl</strong>&lt;br&gt;Italy</td>
<td><a href="http://www.aqc.it">www.aqc.it</a>&lt;br&gt;<a href="mailto:qualityconsult@aqc.it">qualityconsult@aqc.it</a></td>
</tr>
</tbody>
</table>

### 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

This Proficiency Test (PT) will be jointly organised by cooperating PT providers. The samples will be prepared by Eurofins IPL Nord and the results will be evaluated by the central organizer A.G.L.A.E. in France. 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 this PT and on the PT-WFD network please visit the website [www.pt-wfd.eu](http://www.pt-wfd.eu) or contact one of the co-operating PT providers.
$\begin{array}{|c|c|c|}
\hline
\text{Parameters} & \text{AA-EQS} & \text{Required LOQ} \\
& [\mu g/L] & [\mu g/L] \\
\hline
\text{chloroanilines (sum of the 3 isomers)} & - & - \\
2\text{-chloroaniline} & 0.64 & 0.1 \\
3\text{-chloroaniline} & 1.3 & 0.1 \\
4\text{-chloroaniline} & 1 & 0.1 \\
4\text{-chloro-2-nitroaniline} & - & 0.1 \\
3,4\text{-dichloroaniline} & - & 0.1 \\
\hline
\end{array}$

Based on the European Directive on environmental quality standards in the field of water policy and Amending Directive 2000/60/EC. (1) Values from the French statement of the WFD policy "Circulaire DCE/23 du 07/05/07" (2) Values from the French statement of the WFD policy "Circulaire du 05/01/09" - in waste waters

**Sample Details**

Spiked natural river water samples and “ready to analyse” will be used as PT samples.
Samples in $2 \times 1000 \text{ mL}$ glass bottles (dead volume of about 100 mL).
Cooling and darkness during transport and storage.

**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

**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.

**Analytical Methods**

Participants are free to choose a suitable method.

The method should fulfil (wherever possible) the LOQ requirements.

**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 $0.25 \times X$ 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**

| $|z|$ | Criteria          |
|-----|-------------------|
| $\leq 2.0$ | satisfactory      |
| $2.0 < |z| < 3.0$ | questionable      |
| $|z| \geq 3.0$ | unsatisfactory    |

**Dates**

Registration deadline: 15th July 2013
Sample dispatch: 3rd September 2013
Deadline for submission of results: 4th October 2013

**Participation fee**

The fee will be € 300 plus VAT where applicable and transportation costs.

For details about transportation costs please consult the proficiency test provider where you apply.

**Report**

The final report will be in English.
Translations into other languages may be available from the co-operating PT providers.