Proftest SYKE

WE OFFER PROFICIENCY TESTS for e.g.:

• Chemical, physical and biological measurements of environmental samples (matrices e.g. water, sediment, sludge, soil)
• Swimming pool and domestic water measurements
• Calorific value measurement of solid fuels

We organize intercomparisons for environmental sampling and field measurements.
Furthermore, we organize intercomparisons in cooperation with the experts from cooperation institutes.

INTERCOMPARISON SERVICES:
We provide expert support cooperatively for the intercomparison tests provided by governmental institutes.
We provide expert support and training in evaluation of proficiency test results and in detection of causes for anomalous results in tests.

COOPERATION E.G. WITH:

STUK
kwy

THL

Proftest SYKE is accredited proficiency test provider (PT01) by Finnish Accreditation Service (FINAS, www.finans.fi/sites/en) since 2006.

FIND US:

Email: proftest@environment.fi
www.syke.fi/proftest/en
link proftestsyke

PROFTEST SYKE
FINNISH ENVIRONMENT INSTITUTE SYKE,
LABORATORY CENTER / REFERENCE LABORATORY
ADDRESS
MUSTIALANKATU 3
FIN-00790 HELSINKI
FINLAND

PHOTOS: R. KOIVIKKO / SYKE

2020
**SUSTAINABLE USE OF WATER RESOURCES**

<table>
<thead>
<tr>
<th>WATER TYPE</th>
<th>SAMPLES CONCENTRATION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural water</td>
<td>Alkalinity, conductivity, NO₂-NO₃, NH₄, N₅, pH, PO₄,</td>
<td>789 €</td>
</tr>
<tr>
<td>Waste water</td>
<td>COD₅, COD₆, Na, suspended solids, TOC</td>
<td>791 €</td>
</tr>
<tr>
<td>Drinking water</td>
<td>Chloride, COD₅, conductivity, fluoride, hardness, pH, NO₂, NO₃, NH₄, Ca, Fe, K, Mg, Mn, Na, sulphate</td>
<td>952 €</td>
</tr>
</tbody>
</table>

**BUILT ENVIRONMENT**

**SWIMMING POOL WATER**

<table>
<thead>
<tr>
<th>SAMPLE</th>
<th>CONCENTRATION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWP 01/2020</td>
<td>BOD₇, CODMn</td>
<td>725 €</td>
</tr>
</tbody>
</table>

**CALORIFIC VALUE OF FUELS**

<table>
<thead>
<tr>
<th>SAMPLE</th>
<th>CONCENTRATION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAL 07/2020</td>
<td>Gross and net calorific value, H, N, S, moisture and ash content, volatile matter</td>
<td>790 €</td>
</tr>
</tbody>
</table>

**ASBESTOS IN BUILDING MATERIAL SAMPLES**

<table>
<thead>
<tr>
<th>SAMPLE</th>
<th>CONCENTRATION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABS 09/2020</td>
<td>Analysis and identification of asbestos</td>
<td>450 €</td>
</tr>
</tbody>
</table>

**INDOOR AIR VOC MEASUREMENT**

<table>
<thead>
<tr>
<th>SAMPLE</th>
<th>CONCENTRATION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAVOC 11/2020</td>
<td>TVOC and separate compounds according to the standard ISO 16000-6, building material sample</td>
<td>785 €</td>
</tr>
</tbody>
</table>

**HAZARDOUS SUBSTANCES**

<table>
<thead>
<tr>
<th>SUBSTANCES</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metals</td>
<td>900 €</td>
</tr>
</tbody>
</table>

**CIRCULAR ECONOMY**

<table>
<thead>
<tr>
<th>TEST</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaching test</td>
<td>Metals (As, Ba, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, V, Zn) and conductivity, F, Cl, SO₄²⁻, pH, DOC, TDS</td>
<td>600 €</td>
</tr>
</tbody>
</table>

**PROFICIENCY TESTS AND INTERCOMPARISONS 2020**

Registration for Proftest SYKE proficiency tests and intercomparisons opens 1-2 months before the sample delivery.

Depending on the test, 0-2 synthetic samples and 1-3 matrix samples are provided. The concentration levels of the samples follow the natural or contaminated levels of the samples matrices (see the table for more information).

Actual information is available on the website www.syke.fi/proftest/en as well as from the electronic user interface, ProftestWEB.