

Profstest 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:



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



FIND US:

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www.syke.fi/profstest/en



PROFTEST SYKE
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PROFICIENCY TESTS AND INTER- COMPARISONS 2020



PHOTOS: R. KOIVIKKO / SYKE



SUSTAINABLE USE OF WATER RESOURCES

NATURAL WATER I
NW 02/2020
PRICE: 789 €

Alkalinity, conductivity, $N_{NO2+NO3}$, N_{NH4} , N_{tot} , pH, P_{PO4} , $P_{PO4, dissolved}$, P_{tot} , $P_{tot, dissolved}$

WASTE WATER I
WW 03/2020
PRICE: 791 €

WASTE WATER: BOD_7 , COD_{Cr} , COD_{Mn} , Na, suspended solids, TOC
NATURAL WATER: BOD_7 , COD_{Mn}

NATURAL WATER II
NW 06/2020
PRICE: 785 €

Chlorophyll *a*, oxygen, salinity, SiO_2 , TIC, TOC

DRINKING WATER
DW 08/2020
PRICE: 952 €

Chloride, COD_{Mn} , conductivity, fluoride, hardness, pH, NO_2 , NO_3 , NH_4 , Ca, Fe, K, Mg, Mn, Na, sulphate

ZOOBENTHOS
ZOO 10/2020
PRICE: to be announced

Identification of benthic macroinvertebrates*
Timing: September-October 2020

FIELD MEASUREMENT INTERCOMPARISON
KMV 13/2020
PRICE: 400 € /field meter

Field measurement intercomparison*
Conductivity, oxygen, pH, temperature, and turbidity (Oulu)
Timing: October 2020

PHYTOPLANKTON
PHYTO 14/2020
PRICE: to be announced

Identification and calculation of phytoplankton species
Timing: October-November 2020

WASTE WATER II
WW 16/2020
PRICE: 788 €

Alkalinity, colour, conductivity, N_{NH4} , $N_{NO2+NO3}$, N_{tot} , pH, P_{PO4} , P_{tot}

Registration for Profstest 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).

BUILT ENVIRONMENT

SWIMMING POOL WATER
SPW 01/2020
PRICE: 725 €

Combined, free and total chlorine, $KMnO_4$, nitrate, pH, turbidity, urea
COOPERATION: Eurofins Environment Testing Finland Oy, Lahti

CALORIFIC VALUE OF FUELS
CAL 07/2020
PRICE: 790 €

Gross and net calorific value, C, H, N, S, moisture and ash content, volatile matter
COOPERATION: FTF Fuel Testing Finland

ASBESTOS IN BUILDING MATERIAL SAMPLES*
ABS 09/2020
PRICE: 450 €

Analysis and identification of asbestos
COOPERATION: Finnish Institute of Occupational Health

INDOOR AIR VOC MEASUREMENT*
IAVOC 11/2020
PRICE: 785 €

TVOC and separate compounds according to the standard ISO 16000-6, building material sample
COOPERATION: Finnish Institute of Occupational Health

COOPERATIVE INTERCOMPARISON:
Microbiological analyses used in housing and health studies*
PROVIDER: THL

January-February 2020

DEVELOPMENT SCHEME: INDOOR AIR PAH MEASUREMENTS*
COOPERATION: Finnish Institute of Occupational Health

March-June 2020

Measurements marked with * are not included in the accreditation scope.



Prices informed here are preliminary, the final price for the test is informed in the Information letter for the proficiency test. More information from the Guide for participant (www.syke.fi/profstest/en).

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

HAZARDOUS SUBSTANCES

METALS IN NATURAL WATER
MET 05/2020
PRICE: 890 €

Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, U, V, Zn

METALS IN WASTE WATER AND SLUDGE
MET 12/2020
PRICE: 1005 €

Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, S, Sb, Se, Sn, Sr, Ti, U, V, Zn
From sludge also: Drw, N_{tot} , P_{tot}

VOC 15/2020
PRICE: 900 €

Volatile organic compounds in water and soil

CIRCULAR ECONOMY

LEACHING TEST
LT 04/2020
PRICE: 600 €

Two stage batch leaching test
Metals (As, Ba, Cd, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, V, Zn) and conductivity, F^- , Cl^- , SO_4^{2-} , pH, DOC, TDS
COOPERATION: KVVY Tutkimus Oy

