



Programme of Proficiency testing schemes for 2012

Field of chemical methods

Name , date		Parameters at a concentration level of drinking and surface water
1	MPS-ZPV-3/2012 27.3.2012	<p><u>Basic chemical analysis:</u> <i>natural sample:</i> pH, Conductivity, Alkalinity (KNK_{4,5}), Absorbance (A²⁵⁴), Total hardness (TH), Total dissolved solids at 105°C and 550°C, (TDS₁₀₅, TDS₅₅₀), Calcium (Ca), Magnesium (Mg), Sodium (Na), Potassium (K), Silica (SiO₂), Chloride (Cl⁻), Sulphate (SO₄²⁻)</p> <p><i>synthetic samples:</i> BOD₅, COD_{Cr}, Ammonium (NH₄⁺), Nitrite (NO₂⁻), Nitrate (NO₃⁻), Total nitrogen (TN), Organic Nitrogen (N_{org}), Fluoride (F⁻), Bromate (BrO₃⁻), Chlorite (ClO₂⁻), Orthophosphate (PO₄³⁻), Total Phosphorus (TP), Total suspended solids at 105°C (TSS₁₀₅)</p> <p><i>natural spiked samples:</i> AOX, Permanganate index (COD_{Mn}), DOC</p>
2	MPS-SOA-3/2012 27.3.2012	<p><u>Trace organic analysis: synthetic samples:</u> PCB: PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180 PAU: anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, benzo[ghi]perylene, fluoranthene, phenanthrene, indeno[1,2,3-cd]pyrene, OCP: lindane, hexachlorbenzene, heptachlor, DDT, metoxychlor</p>
3	MPS-SAA-3/2012 27.3.2012	<p><u>Trace inorganic analysis:</u> <i>synthetic samples:</i> Ag, Al, As, B, Cd, Co, Cr, Cu, Hg, Fe, Mn, Ni, Pb, Sb, Zn</p>
4	MPS-RR-4/2012 12.4.2012	<p><u>Radiological analysis:</u> <i>synthetic samples:</i> total activity alpha, total activity beta, ²²²Rn, ²²⁶Ra, ³H, U_{nat}</p>
October 2012		
Parameters at a concentration level of waste water		
5	MPS-ZOV-10/2012 9.10.2012	<p><u>Basic chemical analysis:</u> <i>synthetic samples:</i> BOD₅, COD, N-NH₄, N-NO₂, N-NO₃, TN, N_{org}, TDS₁₀₅, TDS₅₅₀, TSS₁₀₅, PO₄³⁻, TP, TOC, Cyanide (CN⁻), <i>natural spiked samples:</i> Phenol index (FN), Anionic Surfactants (MBAS)</p>
6	MPS-SAA-10/2012 9.10.2012	<p><u>Trace inorganic analysis:</u> <i>synthetic samples at a concentration level of waste water:</i> Ag, Al, As, Ba, Cd, Co, Cr, Cu, Hg, Fe, Mn, Mo, Ni, Pb, Se, V, Zn</p>
Parameters at a concentration level of drinking and surface water		
7	MPS-SOA-10/2012 9.10.2012	<p><u>Special organic analysis:</u> <i>synthetic samples:</i> VOC: CHCl₃, CCl₄, TCE, PCE, 1,2-dichloroethane, CHBrCl₂, CHBr₂Cl, CHBr₃, 1,2 DCB, benzene, p-xylene, toluene, chlorbenzene, ethylbenzene, styrene Polar pesticides: atrazine, chlortolurone, isoproturone, simazine, terbutylazine Chlorinated phenols: PCP, 2,4-DCP, 2,4,6-TCP PHs: Hydrocarbon Oil index GC/GC-MS, ISO 9337-2</p>



Programme of Proficiency testing schemes for 2012			
Field of biological methods			
	Name , date	Parameters	
8	MPS-MBR-4/2012 12.4.2012	<p><u>Microbiological analysis of water:</u> Colony count 22°C, Colony count 36°C, Total Coliforms, Thermotolerant Coliform Bacteria, <i>Escherichia coli</i>, <i>Pseudomonas aeruginosa</i>, Enterococci, colilert* (determination of coliform bacteria and <i>E. coli</i>), <i>Legionella</i> spp.s Spores of sulfite-reducing anaerobes (Clostridia), identification of chosen micro-organisms, control of sterility cultivation media,</p>	
	MPS-ETS-2013 next year	<p><u>Ecotoxicological tests:</u> toxicity test on <i>Daphnia magna</i>, <i>Sinapis alba</i>, <i>Desmodesmus subspicatus</i>, <i>Poecilia reticulata</i></p>	
9	MPS-HBR-5/2012 24.5.2012	<p><u>Hydrobiological analysis of drinking water:</u> microscopic analysis according to parameters of drinking water quality: living organisms, lifeless organisms, total number of organisms, abioseston <u>Hydrobiological analysis of surface water:</u> qualitative microscopic analysis of phytoplankton in surface water, spectrometric determination of the chlorophyll-a</p>	
Sampling of water			
10	MPS-OPiV-3/2012 13.3.2012	<u>drinking water</u>	<p>evaluation of: the sampling practice, the sampling devices, documentations and verifications of theoretical knowledge determination required parameters of quality water on sampling spot in compliance with valid legislation determination selected parameters of quality waste water in compliance with valid legislation</p>
11	MPS-OPoV-3/2012 15.5.2012	<u>surface water</u>	
12	MPS-OOV-6/2012* 5-6.6.2012	<u>waste water</u>	
* MPS in process of accreditation			
WRI reserved right for potential modification parameters or dates in separate round of PTs			

	Date:	Appointment:	Name:	Signature:
Developed:	3.1.2012	coordinator PTs	Ing. Ladislav Šuster	
Examined:	4.1.2012	deputy of coordinat PTs	RNDr. Jana Tkáčová	
Approved:	9.1.2012	director of NRL	RNDr. Jarmila Makovinská, CSc.	