



**Short Forms Programme of Proficiency testing schemes for 2017  
for external participant**

**Field of chemical methods**

|                                                                                                                    | Name, date                           | Parameters at a concentration level of drinking and surface water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                   |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------|
| 1                                                                                                                  | <b>MPS-SAA-4/2017</b><br>11.4.2017   | <b><u>Trace inorganic analysis:</u></b><br><i>synthetic samples:</i> Ag, Al, As, Cd, Co, Cr, Cu, Fe, Hg, Mn, Ni, Pb, Zn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |                   |
| 2                                                                                                                  | <b>MPS-SOA-4/2017</b><br>11.4.2017   | <b><u>Trace organic analysis:</u></b><br><i>synthetic samples:</i><br><b>PCB:</b> PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180<br><b>PAU:</b> anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, benzo[ghi]perylene, fluoranthene, phenanthrene, indeno[1,2,3-cd]pyrene,<br><b>OCP:</b> lindane, hexachlorbenzene, heptachlor, DDT, metoxychlor                                                                                                                                                                                                                                                                                                    |                                |                   |
| 3                                                                                                                  | <b>MPS-ZPV-4/2017</b><br>25.4.2017   | <b><u>Basic chemical analysis:</u></b><br><i>synthetic samples:</i><br>Anionic Surfactants as MBAS, Ammonium (NH <sub>4</sub> <sup>+</sup> ), Biochemical Oxygen Demand (BOD <sub>5</sub> ), Bromate (BrO <sub>3</sub> <sup>-</sup> ), Chemical Oxygen Demand (COD <sub>Cr</sub> ), Fluoride (F <sup>-</sup> ), Chlorite (ClO <sub>2</sub> <sup>-</sup> ), Nitrate (NO <sub>3</sub> <sup>-</sup> ), Nitrite (NO <sub>2</sub> <sup>-</sup> ), Organic Nitrogen (N <sub>org</sub> ), Orthophosphate (PO <sub>4</sub> <sup>3-</sup> ), Permanganate index (CHSK <sub>Mn</sub> ), Total Nitrogen (TN), Total Phosphorus (TP), Total Suspended Solids at 105°C (TSS <sub>105</sub> ) |                                |                   |
|                                                                                                                    | Name, date                           | Parameters at a concentration level of surface and waste water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |                   |
| 4                                                                                                                  | <b>MPS-SAA-10/2017</b><br>10.10.2017 | <b><u>Trace inorganic analysis:</u></b><br><i>synthetic samples:</i> Ag, Al, As, Ba, Cd, Co, Cr, Cu, Fe, Mn, Ni, Pb, Se, V, Zn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |                   |
| 5                                                                                                                  | <b>MPS-ZOV-10/2017</b><br>10.10.2017 | <b><u>Basic chemical analysis:</u></b><br><i>synthetic samples:</i><br>Ammonia Nitrogen as N (N-NH <sub>4</sub> ), Biochemical Oxygen Demand (BOD <sub>5</sub> ), Chemical Oxygen Demand (COD <sub>Cr</sub> ), Nitrate as N (N-NO <sub>3</sub> ), Nitrite as N (N-NO <sub>2</sub> ), Orthophosphate as P (P-PO <sub>4</sub> ), Total Dissolved Solids at 105°C (TDS <sub>105</sub> ), Total Dissolved Solids at 550°C (TDS <sub>550</sub> ), Total Nitrogen (TN), Total Organic Nitrogen (N <sub>org</sub> ), Total Phosphorus as P (TP), Total Suspended Solids at 105°C (TSS <sub>105</sub> )                                                                                 |                                |                   |
|                                                                                                                    | Name, date                           | Parameters at a concentration level of drinking and surface water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                   |
| 6                                                                                                                  | <b>MPS-RR-10/2017</b><br>10.10.2017  | <b><u>Radiochemical analysis:</u></b><br><i>synthetic samples:</i> total activity alpha, total activity beta, <sup>222</sup> Rn, <sup>226</sup> Ra, <sup>3</sup> H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |                   |
| 7                                                                                                                  | <b>MPS-SOA-10/2017</b><br>10.10.2017 | <b><u>Special organic analysis:</u></b><br><i>synthetic samples:</i><br><b>VOC:</b> CHCl <sub>3</sub> , CCl <sub>4</sub> , TCE, PCE, 1,2-dichloretane, CHBrCl <sub>2</sub> , CHBr <sub>2</sub> Cl, CHBr <sub>3</sub> , 1,2 DCB, benzene, p-xylene, toluene, chlorbenzene, ethylbenzene, styrene<br><b>Polar pesticides:</b> atrazine, chlortolurone, isoproturone, simazine, terbutylazine<br><b>Chlorinated phenols:</b> PCP, 2,4-DCP, 2,4,6-TCP                                                                                                                                                                                                                               |                                |                   |
| <b>WRI organizer of PTs reserved right for potencial modification parameters or dates in separate round of PTs</b> |                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |                   |
|                                                                                                                    | <b>Date:</b>                         | <b>Appointment:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Name:</b>                   | <b>Signature:</b> |
| <b>Developed:</b>                                                                                                  | 9.1.2017                             | coordinator PTs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Ing. Angelika Kassai, PhD.     |                   |
| <b>Examined:</b>                                                                                                   | 11.1.2017                            | deputy of coordinator PTs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RNDr. Jana Tkáčová, PhD.       |                   |
| <b>Approved:</b>                                                                                                   | 12.1.2017                            | director of SNWRL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RNDr. Jarmila Makovinská, CSc. |                   |