

Parameter Specific Sample Preparation

| Parameters | COD/BOD ₅ | TOC | Inorganic nitrogen | | | N total | Phosphorus P _{total} | Heavy metals total | Chloride | Sulphate |
|--------------------------|---|---|------------------------|--------------------|---|--|---|--|----------------------------|------------------------------|
| | | | NH ₄ -N | NO ₂ -N | NO ₃ -N | | | | | |
| Short-term conservation | +2 to +5°C (up to 24 hours) | +2 to +5°C, pH <2 with sulphuric acid (up to 1 week) | Not recommended | | +2 to +5°C, pH <2 with sulphuric acid (up to 24 hours) | pH 3 to 7 (up to 1 week) | Not required | Not required | Not required | +2 to +5°C (up to 1 week) |
| Longer-term conservation | -18°C (up to 14 days) | -18°C, pH <2 (up to 1 month) | Not recommended | | | -18°C (up to 14 days) | pH <2 with sulphuric acid (up to 1 month) | pH <2 with nitric acid (up to 1 month) | Up to 1 month | Not recommended |
| Preparation of sample | Homogenisation (DIN 38 402, part A 30*) | Homogenisation (DIN 38 402, part A 30*/33) | Filtration if required | | | Homogenisation (DIN 38 402, part A 30*) | Homogenisation (DIN 38 402, part A 30*) | Homogenisation (DIN 38 402, part A 30*/31), digestion | Filtration if required | Filtration if required |
| Sampling vessel material | Glass or polyethylene (PE) | | | | | Glass or polyethylene (PE) Borosilicate glass | | | Glass or polyethylene (PE) | |

*Homogenisation of the sample for all parameters that are determined in the original sample (overall sample).