

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)								
Preparation of sample	Homogenization (DIN 38 402, part A 30*)	Homogenization (DIN 38 402, part A 30*/33)	Filtration if required			Homogenization (DIN 38 402, part A 30*)	Homogenization (DIN 38 402, part A 30*)	Homogenization (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)	

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