

# Parameter Specific Sample Preparation

Parameters	COD/BOD <sub>5</sub>	TOC	Inorganic nitrogen			N total	Phosphorus P <sub>total</sub>	Heavy metals total	Chloride	Sulphate
			NH <sub>4</sub> -N	NO <sub>2</sub> -N	NO <sub>3</sub> -N					
<b>Short-term conservation</b>	+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)
<b>Longer-term conservation</b>	-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
<b>Preparation of sample</b>	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
<b>Sampling vessel material</b>	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).