

PARAMETER	METHOD	SAMPLE VOLUME	CONCENTRATION RANGE	MAXIMUM SAMPLE PRESERVATION TIME
TS and VS	Volume	25ml	0 - 30g/L	Immediate, At 4°C for a maximum of 48 h
TS and VS	Weight	10g	For solids samples > 30g/L	
TSS and VSS	Volume	10ml	0 - 18g/l (100 ml for low concentrations)	
[NH ₄ ⁺] + [NH ₃]	Sensor	10ml	1- 100 mg N-NH ₄ ⁺ /L	Immediate Filtration. At 4°C for a maximum of 48 h prior acidification at pH 2 with H ₂ SO ₄ (98%)
[NH ₄ ⁺] + [NH ₃]	Distillation	10ml	20 - 1000 mg N-NH ₄ ⁺ /L	
[NH ₄ ⁺] + [NH ₃]	Nessler	50ml	0 - 5 mg N-NH ₄ ⁺ /L	Immediate (No acidification)
Total COD	Volume	5ml	30 - 1000ppm	Immediate; At 4°C for a maximum of 24 h
Soluble COD	Volume	5ml	30 - 1000ppm	
Total COD	Solids	5g	1000 - 20000ppm	
TKN	Volume	25ml	10mg N in the sample volume	Immediate. At 4°C for a maximum of 48 h prior acidification at pH 2 with H ₂ SO ₄ (98%)
TKN	Weight	5g	20 - 1000ppm	
BOD	Volume	100ml	20 - 1000ppm	Immediate; At 4°C for a maximum of 24 h in the dark
TOC	Solids	5 g	0 - 1000ppm	Immediate; At 4°C for a maximum of 24 h. No acidification if IC is measured
TOC / IC / TN	Volume	30 ml	TOC/ IC (0-100 mg C/L; 0-1000 mg C/L) TN (0-100 mg N/L)	
Total Phosphorous	Volume	10ml	0 - 20 mg P/L	Immediate; At 4°C for a maximum of 24 h
Total Phosphorous	Weight	5g	0 - 20 mg P/L	Immediate; At 4°C for a maximum of 24 h
Soluble Phosphorous	Volume	50ml	0 - 14mg P-PO ₄ ³⁻ /L	Immediate Filtration; At 4°C for a maximum of 24 h
IONs	Volume	3 ml	5-150 mg /L de NO ₃ ⁻ , NO ₂ ⁻ , Cl ⁻ , SO ₄ ²⁻)	Immediate Filtration and preservation at 4 ° C
Tiosulphate	Volume	4 ml	5-150 mg/L S ₂ O ₃	Immediate Filtration; At 4°C for a maximum of 24 h. Minimum exposure to air and light
VFAs	Volume	10ml	10 - 400 mg /L	Immediate filtration. Acidification at pH 2 with H ₂ SO ₄ (98%) and preservation at 4 ° C
Permanent Gases	Volume	100 ul	CH ₄ < 70 %, CO ₂ < 50 % O ₂ < 21 %, N ₂ < 70%, H ₂ S < 2 %	
Oil and Grease	Volume	500-1000 mL	Higher than 10 mg/L	Immediate; At 4°C for a maximum of 24 h
Grease	Weight	5-10g	Higher than 10 g/Kg	Immediate; At 4°C for a maximum of 24 h

All samples MUST be handed out before 10:30

It is compulsory to provide the volume and dilution required in accordance to the corresponding Concentration Range

A researcher MUST double check his/her results periodically and adjust the dilutions accordingly