

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 <sub>4</sub> <sup>+</sup> ] + [NH <sub>3</sub> ]	Sensor	10ml	1- 100 mg N-NH <sub>4</sub> <sup>+</sup> /L	Immediate Filtration. At 4°C for a maximum of 48 h prior acidification at pH 2 with H <sub>2</sub> SO <sub>4</sub> (98%)
[NH <sub>4</sub> <sup>+</sup> ] + [NH <sub>3</sub> ]	Distillation	10ml	20 - 1000 mg N-NH <sub>4</sub> <sup>+</sup> /L	
[NH <sub>4</sub> <sup>+</sup> ] + [NH <sub>3</sub> ]	Nessler	50ml	0 - 5 mg N-NH <sub>4</sub> <sup>+</sup> /L	Immediate ( <b>No acidification</b> )
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 <sub>2</sub> SO <sub>4</sub> (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 <sub>4</sub> <sup>3-</sup> /L	Immediate Filtration; At 4°C for a maximum of 24 h
IONS	Volume	3 ml	5-150 mg /L de NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , Cl <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> )	Immediate Filtration and preservation at 4 ° C
Tiosulphate	Volume	4 ml	5-150 mg/L S <sub>2</sub> O <sub>3</sub>	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 <sub>2</sub> SO <sub>4</sub> (98%) and preservation at 4 ° C
Permanent Gases	Volume	100 ul	CH <sub>4</sub> < 70 %, CO <sub>2</sub> < 50 % O <sub>2</sub> < 21 %, N <sub>2</sub> < 70%, H <sub>2</sub> S < 2 %	Immediate
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**