

*Note: * Marks Parameters not included in Scope of Accreditation*

Fresh-, Potable- & Effluent Samples	
Ammonia & Soluble Phosphate in mg/L	(SALM.6.0 Flow Injection Colorimetry)
*Nitrate + Nitrite, *Nitrite in mg/L	(SALM.7.0 Flow Injection Colorimetry)
*Total phosphate in mg/L	(SALM.10 & MALS6.4 ICP OES Detection)
pH	(SALM.2.0 Electrometric measurement)
Electrical Conductivity in mS/m	(SALM.3.0 Electrometric measurement)
Alkalinity as CaCO ₃ in mg/L	(SALM.5.0 Potentiometric titration)
Calcium, Magnesium, Potassium, Sodium, Sulphate in mg/L	(MALS6.5-A ICP OES Detection)
Chloride in mg/L	(SALM.1.0 (Flow Injection Colorimetry)
*Fluoride in mg/L	(SALM.29 Potentiometric measurement)
Dissolved & Total Organic Carbon in mg/L	(SALM.25 Thermocatalytic oxidation)
*Turbidity in NTU	(SALM.22 Turbidimetric measurement)
*Colour	(SALM.35 Spectrophotometric method)
*Chemical Oxygen Demand in mg/L	(SALM.28.0 HACH method)
*Kjeldahl nitrogen in mg/L	(SALM.13 Distillation & Titrimetric method)
*Total dissolved solids in mg/L	(SALM.26 Gravimetric Measurement)
*Suspended Solids in mg/L	(SALM.19 Gravimetric Measurement)
*Volatile suspended solids in mg/L	(SALM.19 Thermal Ignition & Gravimetric Measurement)
*Fats, Oils & Greases in mg/L	(SALM.18 Solvent Extraction, Gravimetric Measurement)
Aluminium, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, in mg/L	(MALS6.4 ICP OES Detection)
Chromium, Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, in mg/L	(MALS6.4 ICP OES Detection)
Strontium, Selenium, Vanadium, Zinc in mg/L	(MALS6.4 ICP OES Detection)
*Silica, *Tin in mg/L	(MALS6.4 ICP OES Detection)
Arsenic, Antimony, Beryllium, Cadmium, Cobalt, Copper, Lead, Manganese in µg/L	(SALM 20 ICP MS Detection)
Mercury, Nickel, Selenium, Uranium, Vanadium, Zinc in µg/L	(SALM 20 ICP MS Detection)
*Chromium, *Tin in µg/L	(SALM 20 ICP MS Detection)
*Hexavalent Chromium (Cr6+) in mg/L	(MALS 4.1, 4.3, 4.5, 4.8 ICP OES Detection)
*Chlorophyll a in µg/L	(SALM.31 Solvent extraction and UV detection)
*Cyanide in mg/L	(SALM.27 Colorimetric method)
*Hydrogen Sulphide in mg/L	(SALM.30 Iodometric titration)
Seawater and High Saline samples	
pH	(SALM.2.0 Electrometric measurement)
Electrical Conductivity in mS/m	(SALM.3.0 Electrometric measurement)
Alkalinity as CaCO ₃ in mg/L	(SALM.5.0 Potentiometric titration)
Calcium, Magnesium, Potassium, Sodium, Sulphate in mg/L	(MALS6.5 ICP OES Detection)
Chloride in mg/L	(SALM.1.0 Flow Injection Colorimetry)
*Fluoride in mg/L	(SALM.29 Potentiometric measurement)
Dissolved & Total Organic Carbon in mg/L	(SALM.25 Thermocatalytic oxidation)
*Turbidity in NTU	(SALM.22 Turbidimetric measurement)
*Colour	(SALM.35 Spectrophotometric method)
*Chemical Oxygen Demand in mg/L	(SALM.28 HACH method)
*Total dissolved solids in mg/L	(SALM.26 Gravimetric Measurement)
*Suspended Solids in mg/L	(SALM.19 Gravimetric Measurement)
*Volatile suspended solids in mg/L	(SALM. 19 Thermal Ignition & Gravimetric Measurement)
*Fats, Oils & Greases in mg/L	(SALM.18 Solvent Extraction, Gravimetric Measurement)
*Arsenic, *Antimony, *Beryllium, *Cadmium, *Cobalt, *Copper, *Lead, in µg/L	(SALM 20 ICP MS Detection)
*Aluminium, *Manganese, *Mercury, *Nickel, *Selenium, *Uranium, in µg/L	(SALM 20 ICP MS Detection)
*Vanadium, *Zinc, *Chromium, *Tin in µg/L	(SALM 20 ICP MS Detection)
*Hexavalent Chromium (Cr6+) in mg/L	(MALS 4.1, 4.3, 4.5, 4.8 ICP OES Detection)
*Chlorophyll a in µg/L	(SALM.31 Solvent extraction and UV detection)
*Cyanide in mg/L	(SALM.15 Colorimetric method)
*Hydrogen Sulphide in mg/L	(SALM.30 Iodometric titration)

*Note: * Marks Parameters not included in Scope of Accreditation*

Sediment & Soil samples	
Sample Preparation (Drying, Ball Milling, Microwave digestion)	(MALS.4.5 Microwave digestion)
Arsenic, Cadmium, Cobalt, Copper, Iron, Lead, Manganese, Nickel, Zinc in mg/kg	(MALS6.2 ICP OES Detection)
*Aluminium, *Barium, *Beryllium, *Chromium, *Selenium, *Strontium in mg/kg	(MALS6.2 ICP OES Detection)
*Titanium, *Phosphorus, *Sulphur, *Silica in mg/kg	(MALS6.2 ICP OES Detection)
*Arsenic, *Cadmium, *Cobalt, *Copper, *Lead, *Manganese, *Nickel, *Zinc in µg/kg	(SALM.44 ICP MS Detection)
*Beryllium, *Chromium, *Selenium, *Antimony, *Titanium in µg/kg	(SALM.44 ICP MS Detection)
*Mercury in µg/kg	(SALM.32 Direct Mercury Analyser)
*Moisture Content in %	(SALM.40 Gravimetric Measurement)
*Lost on Ignition in %	(SALM.40 Thermal Ignition & Gravimetric Measurement)
*Acid Volatile Sulphides in mmol/kg	(SALM.16 Acid Stripping and Iodometric Titration)
*Total & Organic Carbon and Nitrogen in %	(MALS 3.1 Elemental Analyser)
*Particle Size Analysis in %	(SALM.17 Gravel, sand and Mud)
Biological Tissue & Plant samples	
Sample Preparation (Drying, Ball Milling, Microwave digestion)	(MALS.4.5 Microwave digestion)
Arsenic, Cadmium, Cobalt, Copper, Iron, Nickel, Manganese, Selenium in mg/kg	(MALS.6.3 ICP OES detection)
Vanadium, Zinc in mg/kg	(MALS.6.3 ICP OES detection)
*Aluminium, *Barium, *Beryllium, *Chromium, *Silica, *Strontium, *Sulphur in mg/kg	(MALS6.3 ICP OES Detection)
*Phosphorus, *Titanium in mg/kg	(MALS6.3 ICP OES Detection)
*Arsenic, *Cadmium, *Cobalt, *Copper, *Iron, *Nickel, *Manganese, in µg/kg	(SALM.44 ICP MS detection)
*Aluminium, *Antimony, *Barium, *Vanadium, *Zinc, *Beryllium in µg/kg	(SALM.44 ICP MS detection)
*Chromium, *Phosphorus, *Silica, *Strontium, *Sulphur, *Titanium, *Uranium in µg/kg	(SALM.44 ICP MS detection)