

Holding Times / Preservation

ISO 17025 Accredited Tests				
Determinand	Bottle Type	Minimum Sample Size mls	Holding Conditions	Holding Time
Alkalinity	Amber Glass/Plastic	100ml	Refrigerate, within 48 hours. Samples brought in on	48 hours
Ammonia	Plastic	100ml	Freeze	28 days
BOD	Amber Glass/Plastic	400ml	Refrigerate or add conc Sulphuric acid tp pH <2	Analyse within 24 hours; Freeze, analyse within 1 week
Calcium (IC)	Plastic	50ml	Refrigerate	28 days
Chloride (IC)	Plastic	50ml	Refrigerate	28 days
COD	Plastic	50ml	Refrigerate or add conc Sulphuric acid tp pH <2	48 hrs/ 7days when preserved
Colour	Amber Glass/Plastic	25ml	Refrigerate, within 48 hours. Samples brought in on Friday are analysed on the same day.	48 hours
Conductivity	Plastic	100ml	Refrigerate	48 hours
Dust	Glass Jar	n/a	Refrigerate	14 days
Fluoride (IC)	Plastic	50ml	Refrigerate	28 days
Kjeldhal Nitrogen KN (calc)	Amber Glass/Plastic	100ml	Freeze	28days
Magnesium (IC)	Plastic	50ml	Refrigerate	28days
Metals AAS	Plastic	200ml	For dissolved metals filter, acidify to 8% HNO ₃	6 months
Metals ICP MS	Plastic	50ml	For ground water filter, add 0.5ml of nitric acid and 0.25ml of hydrochloric acid	28 days
MRP	Plastic	5ml	Freeze	28 days
Nitrate (IC)	Plastic	50ml	Freeze	28 days
Nitrate + Nitrite (IC)	Plastic	50ml	Freeze	7 days
Nitrite (IC)	Plastic	50ml	Freeze	7 days
pH	Plastic	100ml	Refrigerate	24 hrs
Phosphate (IC)	Plastic	50ml	Freeze	28 days
Potassium (IC)	Plastic	50ml	Refrigerate	28 days
Sodium (IC)	Plastic	50ml	Refrigerate	28 days
Sulphate (IC)	Plastic	50ml	Refrigerate	28 days
Suspended Solids	Plastic	100ml	Refrigerate	7days (48hrs without refrigeration)
Total Nitrogen (calc)	Amber Glass/Plastic	100ml	Freeze	28 days
Total Phosphorus	Plastic	5ml	Freeze	28 days **
Turbidity	Amber Glass/Plastic	30ml	Refrigerate, within 48 hours. Samples brought in on Friday are analysed on the same day.	48 hours