

Aqueous Sample Reference Table

Analyses	Container	Quantity	Preservative	Holding Time
INORGANICS				
Alkalinity	Plastic	250 mL	4°C	14 Days
Ammonia	Plastic	500 mL	H ₂ SO ₄ , pH<2, 4°C	28 Days
Biological Oxygen Demand (BOD)	Amber Glass	1L	4°C	48 Hours
Chemical Oxygen Demand (COD)	Plastic	250 mL	H ₂ SO ₄ , pH<2, 4°C	28 Days
Chloride	Plastic	250 mL	4°C	28 Days
Cyanide	Plastic	1L	NaOH, pH>12, 4°C	14 Days
Fluoride	Plastic	250 mL	4°C	28 Days
Formaldehyde	Amber Glass	1000 mL	4°C	72 Hours
Hexavalent Chromium (Cr+6)	Plastic	250 mL	4°C	24 Hours
MBAS	Plastic	1L	4°C	48 Hours
Nitrate	Plastic	250 mL	4°C	48 Hours
Nitrate/Nitrite	Plastic	250 mL	H ₂ SO ₄ , pH<2, 4°C	28 Days
Nitrite	Plastic	250 mL	4°C	48 Hours
Nitrogen, Total Kjeldahl (TKN)	Plastic	1L	H ₂ SO ₄ , pH<2, 4°C	28 Days
Oil & Grease	Amber Glass	(3) 1L	HCl, pH<2, 4°C	28 Days
pH	Plastic	250 mL	4°C	Immediate
Phosphorous, Total	Amber Glass	1L	H ₂ SO ₄ , pH<2, 4°C	28 Days
Solids, Total (TS)	Plastic	250 mL	4°C	7 Days
Solids, Total Dissolved (TDS)	Plastic	250 mL	4°C	7 Days
Solids, Total Suspended (TSS)	Plastic	250 mL	4°C	7 Days
Solids, Total Volatile (TVS)	Plastic	250 mL	4°C	7 Days
Sulfate	Plastic	250 mL	4°C	28 Days
Sulfide	Plastic	250 mL	NaOH, pH>9, 4°C	7 Days
Total Metals	Plastic	500 mL	HNO ₃ , pH<2, 4°C	180 Days, Hg 28 Days
Total Dissolved Metals	Plastic	500 mL	4°C	180 Days, Hg 28 Days
Total Organic Carbon (TOC)	Plastic	250mL	H ₂ SO ₄ , pH<2, 4°C	28 Days
Total Phenol	Amber Glass	1L	H ₂ SO ₄ , pH<2, 4°C	28 Days
Total Residual Chlorine	Plastic	250 mL	4°C	Immediate
Turbidity	Plastic	250 mL	4°C	48 Hours
VOLATILE ORGANICS BY GC/MS				
Volatile Organics (524.2)	VOA Vials	(2) 40 mL VOA Vials	Ascorbic Acid HCl, pH<2, 4°C	14 Days
Volatile Organics (624)	VOA Vials	(2) 40 mL VOA Vials	Na ₂ S ₂ O ₃ , 4°C	7 Days
Volatile Organics (8260B)	VOA Vials	(2) 40 mL VOA Vials	HCl, pH<2, 4°C	14 Days
EXTRACTABLE ORGANICS BY GC/MS				
Acid/Base Neutral Extractables (ABN) (8270C)	Amber Glass	(2) 1L	4°C	7 Days (Extraction)
Acid/Base Neutral Extractables (ABN) (625)	Amber Glass	(2) 1L	Na ₂ S ₂ O ₃ , 4°C	7 Days (Extraction)
Polynuclear Aromatic Hydrocarbons (PAH) (625)	Amber Glass	(2) 1L	Na ₂ S ₂ O ₃ , 4°C	7 Days (Extraction)
Polynuclear Aromatic Hydrocarbons (PAH) (8270C)	Amber Glass	(2) 1L	4°C	7 Days (Extraction)
EXTRACTABLE ORGANICS BY GC				
Pesticides (8081)	Amber Glass	(2) 1L	4°C	7 Days (Extraction)
Pesticides (608)	Amber Glass	(2) 1L	Na ₂ S ₂ O ₃ , 4°C	7 Days (Extraction)
PCBs (8082)	Amber Glass	(2) 1L	4°C	7 Days (Extraction)
PCBs (608)	Amber Glass	(2) 1L	Na ₂ S ₂ O ₃ , 4°C	7 Days (Extraction)
Chlorinated Herbicides (8151A)	Amber Glass	(2) 1L	4°C	7 Days (Extraction)
PETROLEUM HYDROCARBONS				
MA-DEP EPH	Amber Glass	(3) 1L	HCl, pH<2, 4°C	14 Days (Extraction)
MA-DEP VPH	VOA Vials	(2) 40 mL VOA Vials	HCl, pH<2, 4°C	14 Days
TPH 8100M	Amber Glass	(2) 1L	4°C	7 Days (Extraction)
CT ETPH	Amber Glass	(2) 1L	4°C	7 Days (Extraction)
TPH-IR (418.1)	Amber Glass	(2) 1L	HCl, pH<2, 4°C	28 Days
TPH DRO (8015B)	Amber Glass	(2) 1L	4°C	7 Days (Extraction)
TPH GRO (8015B)	VOA Vials	(2) 40 mL VOA Vials	HCl, pH<2, 4°C	14 Days
TPH GC/FID Quantification Only (8015B (M))	Amber Glass	(2) 1L	4°C	7 Days (Extraction)
Petroleum Hydrocarbon Identification (PHI) (8015B (M))	Amber Glass	(2) 1L	4°C	7 Days (Extraction)