

	Reference	Type	Preservative	Time
Drinking Water Parameters				
Anions (Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate)	EPA 300.0	125 ml plastic	Cool, 4° C	48 Hrs. for NO3, NO2 & Phosphate; 28 days for Chloride, Fluoride & Sulfate
Bacteria (Coliform, E. Coli, HPC, Fecal Coliform)	SM 9223	Sterile 125 ml	Na ₂ S ₂ O ₃ , Cool, 4° C	24 Hrs. 6 hours for Fecal Coliform
Hardness	EPA 200.7	500 ml plastic	HNO ₃ , pH<2	6 Months
Mercury	SM 3112B	500 ml plastic	HNO ₃ , pH<2	28 Days
Metals	EPA 200.7 / 200.9 / 200.8	500 ml plastic	HNO ₃ , pH<2	6 Months
Turbidity	SM 2130 B	125 ml plastic	Cool, 4° C	48 Hrs.
Volatile Organic Compounds	EPA 524.2	3 x 40 ml glass	HCl, pH<2	14 Days
MBAS (Surfactants)	SM 5540C	1 Liter, Plastic	Unpreserved	48 hours
Wastewater / Surface Water Parameters				
Alkalinity/Acidity	SM 2320B / SM 2310B	125 ml plastic	Cool, 4° C	14 Days
Ammonia	EPA 350.1	500 ml plastic	H ₂ SO ₄ , pH<2	28 Days
Anions (Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate)	EPA 300.0	125 ml plastic	Cool, 4° C	48 Hrs. for NO3, NO2 & Phosphorous 28 days for Chloride, Fluoride & Sulfate
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)	EPA 624 / SW 8260	2 x 40 ml glass	HCl, pH<2	14 Days
Biochemical Oxygen Demand (BOD ₅ and CBOD ₅)	SM 5210B	1 L plastic	Cool, 4° C	48 Hrs.
Chemical Oxygen Demand (COD)	SM 5220D	125 ml plastic	H ₂ SO ₄ , pH<2, 4° C	28 Days
Chromium, Hexavalent	SM 3500-Cr B	500 ml plastic	Cool, 4° C	24 Hrs.
Conductivity	EPA 120.1	125 ml plastic	Cool, 4° C	24 Hrs.
Cyanide	EPA 335.4	500 ml plastic	NaOH, pH>12, 4° C	14 Days
Diesel-Range Organics (DRO)	SW 8270	1 L glass	Cool, 4° C	7 Days
Gasoline-Range Organics (GRO)	SW 8260	2 x 40 ml glass	HCl, pH<2	14 Days
Mercury	SM 3112B	500 ml plastic	HNO ₃ , pH<2	28 Days
Metals	EPA 200.7 / 200.9 / 200.8	500 ml plastic	HNO ₃ , pH<2	6 Months
Nitrogen, Total Kjeldahl (TKN)	EPA 351.2	500 ml plastic	H ₂ SO ₄ , pH<2, 4° C	28 Days
Oil and Grease (Hexane Extractable)	EPA 1664	1 L glass	H ₂ SO ₄ , pH<2, 4° C	28 Days
Pesticides, Organochlorine	EPA 608 / SW 8081	1 L glass	Cool, 4° C	7 Days
pH	SM 4500 H + B	125 ml plastic	Cool, 4° C	immed.
Phenolics	EPA 420.2	250 m L glass	H ₂ SO ₄ , pH<2, 4° C	28 Days
Phosphorous, Total	EPA 365.2	125 ml plastic	H ₂ SO ₄ , pH<2, 4° C	28 Days
Polychlorinated Biphenyls (PCB)	EPA 608 / SW 8082	1 L glass	Cool, 4° C	7 Days
Polynuclear Aromatic Hydrocarbons (PNA, PAH)	EPA 625 / SW 8270	1 L glass	Cool, 4° C	7 Days
Semi-Volatile Organic Compounds	EPA 625 / SW 8270	1 L glass	Cool, 4° C	7 Days
Solids, Total Dissolved (TDS)	SM 2540C	500 ml plastic	Cool, 4° C	7 Days
Solids, Total Suspended (TSS)	SM 2540D	500 ml plastic	Cool, 4° C	7 Days
Sulfide	EPA 376.1	500 ml plastic	NaOH, ZnCOOH	7 Days
Volatile Organic Compounds	EPA 624 / SW 8260	3 x 40 ml glass	HCl, pH<2	14 Days
TKN (Total Kjeldahl Nitrogen)	EPA 351.2	500 ml plastic	H ₂ SO ₄ , pH <2, 4° C	14 Days

Soil Parameters				
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)	SW 5035 / 8260	40 ml glass	Methanol, 4° C	14 Days
Chromium, Hexavalent	SW 3060 / 7196	4 oz glass	Cool, 4° C	24 Hrs.
Cyanide	SW 9013 / 9014	4 oz glass	Cool, 4° C	14 Days
Diesel-Range Organics (DRO)	SW 8270	4 oz glass	Cool, 4° C	14 Days
Gasoline-Range Organics (GRO)	SW 8260	4 oz glass	Cool, 4° C	7 Days
Mercury	SW 7470	4 oz glass	Cool, 4° C	28 Days
Metals	SW 6010 / SW 6020	4 oz glass	Cool, 4° C	6 Months
Pesticides, Organochlorine	SW 8081	4 oz glass	Cool, 4° C	14 Days
pH	EPA 9045	4 oz glass	Cool, 4° C	24 Hrs.
Polychlorinated Biphenyls (PCB)	SW 8082	4 oz glass	Cool, 4° C	14 Days
Polynuclear Aromatic Hydrocarbons (PNA, PAH)	SW 8270	4 oz glass	Cool, 4° C	14 Days
Semi-Volatile Organic Compounds	SW 8270	4 oz glass	Cool, 4° C	14 Days
Volatile Organic Compounds	SW 5035 / 8260	40 ml glass	Methanol, 4° C	14 Days
Ignitability	EPA 1030	4 oz. glass	Cool, 4°C	
Reactive Cyanide	EPA 7.3.3.2	4 oz. glass	Cool, 4°C	
Reactive Sulfide	EPA 7.3.4.2	4 oz. glass	Cool, 4°C	
Anions (Chloride, Fluoride, NO ₃ , NO ₂ , Sulfate, Ortho-phosphate)	EPA 9056	4 oz. glass	Cool, 4°C	
Phenolics	EPA 9065	4 oz. glass	Cool, 4°C	
Paint Filter test	EPA 9095A	4 oz. glass	Cool, 4°C	