Premier Laboratory

800.334.0103

Drinking Water Sampling Guide

Providing Drinking Water Testing for Over 30 Years

Parameter	Method	Max Hold Time	Minimum Sample Volume	Bottle	Preservative
Acidity	305.1	14 Days	100 mL	Plastic	Cool to 4°C
Algae Scan	SM 19th 10900	48 Hours	100 mL	Plastic	Cool to 4°C
Alkalinity	310.1, SM 20th 2320B	14 Days	200 mL	Plastic	Cool to 4°C
Ammonia	350.1	28 Days	100 mL	Plastic	H_2S0_4, pH<2, Cool to 4°C
Asbestos	100.2	48 Hours	1 L	Plastic	Cool to 4°C
Carbamates	531.2	28 Days	3 X 60 mL	60 mL amber glass vials	0.56 $C_6H_7KO_7$ and 6 mg $Na_2S_2O_3$
Chloride	325.2, SM 20th 4500-Cl	28 Days	100 mL	Plastic	Cool to 4°C
Chlorine (residual)	SM 20th 4500-Cl-G	Upon receipt at lab	100 mL	Plastic	Cool to 4°C
Color	SM 2120B	Upon receipt at lab	50 mL	Plastic	Cool to 4°C
Conductivity	120.1	28 Days	250 mL	Plastic	Cool to 4°C
Cyanide	SM 4500-CN-C	14 Days	1 L	Plastic	NaOH, pH>12, Cool to 4°C
Dioxin	SM 1613	N/A	2 X 1L	Amber Glass	Cool to 4°C
Diquat	549.2	7 Days	2 X 500 mL	Plastic Amber	50 mg $Na_2S_2O_3$, Cool to 4°C
Dissolved Oxygen	360.1	Upon receipt at lab	300 mL	BOD bottle	BOD bottle, non-preserved
E Coli	SM 20th 9222B	6 hours	100 mL	Sterile Plastic	Cool to 4°C
EDB and DBCP	504.1	14 Days	2 X 40 mL	40 mL VOA vial	If chlorinated, 3 mg $Na_2S_2O_3$
Endothall	548.1	7 Days	2 X 250 mL	Amber glass	$Na_2S_2O_3$, Cool to 4°C
Fluoride	300	28 Days	100 mL	Plastic	Cool to 4°C
Glyphosate	547	7 Days	2 X 60 mL	Amber glass	$Na_2S_2O_3$, Cool to 4oC
Gross alpha and beta	900	6 months	2 X 1 L	Plastic	$HN0_3$, pH < 2, Cool to 4°C
Haloacetic Acids (HAA5)	552.2	14 Days	2 X 60 mL	60 mL VOA vial, amber	5 mg NH4Cl, Cool to 4°C
Hardness	SM 20th 2340B	6 Months	250 mL	Plastic	$HN0_3$, pH < 2, Cool to 4°C
Herbicides	515.3	14 Days	2 X 60 mL 2 X 60 mL	60 mL VOA vial, amber 60 mL VOA vial, amber	6 mg $Na_2S_2O_3$, Cool to 4°C Non preserved, Cool to 4°C
Heterotrophic Plate Count (HPC)	SM 20th 9215B	8 Hours	100 mL	Sterile Plastic	$Na_2S_2O_3$, Cool to 4°C
Iron Bacteria		30 Hours	100 mL	Sterile Plastic	Cool to 4°C
Lead and Copper	200.8	14 Days	1 L	Plastic	Cool to 4°C
Metals (Except for Mercury)	200.7, 200.8	6 Months	200 mL	Plastic	$HN0_3$, pH<2, Cool to 4°C

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Mercury	245.2	28 Days	200 mL	Plastic	$HN0_3$, pH<2, Cool to 4°C
Nitrate	SM 20th 4500-N03	48 Hours	100 mL	Plastic	Cool to 4°C
Nitrite	SM20th 4500-N02	48 Hours	100 mL	Plastic	Cool to 4°C
Odor	140.1, SM 2150B	Upon receipt at lab	100 mL	Plastic	Cool to 4°C
Orthophosphorus	365.1	48 Hours	100 mL	Plastic	Cool to 4°C
Perchlorate					
Pesticides / PCBs	505	14 Days	2 X 40 mL	40 mL VOA vials	3 mg $Na_2S_20_3$, Cool to 4°C
pH	150.1	Upon receipt at lab	100 mL	Plastic	Cool to 4°C
Phenols	420.1	28 Days	500 mL	Glass	H_2S0_4, pH<2, Cool to 4°C
Phosphorus (Total)	365.1	28 Days	100 mL	Plastic	H_2S0_4, pH<2, Cool to 4°C
Radium 226 and 228	900.1	6 Months	2 X 1 L	Plastic	$HN0_3$, pH < 2, Cool to 4°C
Radon	913	96 Hours	2 X 40 mL	40 mL VOA vials	Cool to 4°C
Semivolatiles (BNA)	525.2	14 Days	3 X 1L	Glass	Na_2S0_3, Cool to 4°C + HCL
Settleable Solids (SS)	160.5	48 Hours	1 L	Plastic	Cool to 4°C
Silica	SM 20th 4500-Si-D	28 Days	100 mL	Plastic	Cool to 4°C
Sulfate	SM 4500	28 Days	100 mL	Plastic	Cool to 4°C
Sulfide	376.2	7 Days	100 mL	Plastic	NaOH+ZnAC, pH>9, Cool to 4°C
Sulfite	377.1	Upon receipt at lab	200 mL	Plastic	Cool to 4°C
Surfactants (MBAS)	SM 20th 5540C	48 Hours	500 mL	Plastic	Cool to 4°C
Trihalomethanes (TTHM)	524.2	14 Days	2 X 40 mL	40 mL VOA vials	1:1 HCL, pH<2, Cool to 4°C
Total Coliform	SM 20th 9222B	30 Hours	100 mL	Sterile Plastic	Cool to 4°C
Total Dissolved Solids (TDS)	160.1	7 Days	200 mL	Plastic	Cool to 4°C, If chlorinated: $Na_2S_20_3$
Total Organic Carbon	SM 5310	28 Days	2 X 40 mL	40 mL VOA vials	H_2S0_4, pH<2, Cool to 4°C
Total Solids (TS)	160.3	7 Days	200 mL	Plastic	Cool to 4°C
Total Suspended Solids (TSS)	SM 2540C	7 Days	200 mL	Plastic	Cool to 4°C
Turbidity	SM 2130	48 Hours	100 mL	Plastic	Cool to 4°C
Volatile Organic Compounds (VOC)	524.2	14 Days	2 X 40 mL	40 mL VOA vials	1:1 HCL, pH<2, Cool to 4°C

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