

Bottle Chart/Drinking Water

Revised 03/22/2016

Parameter	Method	Bottle Type (minimum required)	Preservative	Holding Time	Special Handling
Acidity	SM 2310B(4a)	½ Gallon Plastic (300 ml)	Cool <6 C	14 days	
Alkalinity	SM 2320B	½ Gallon Plastic (300 ml)	Cool <6 C	14 days	
Ammonia	EPA 350.1, Rev 2.0	250 ml plastic (100 ml)	<2 w/H ₂ SO ₄ Cool <6 C	28 days	
Bromate/Chlorate	EPA 300.1	250 ml amber (25 ml)	12.5 mg EDA Cool <6 C	28 days	
Chlorine Residual	SM4500-Cl-F	½ Gallon Plastic (100 ml)	None required	Immediate analysis	
Chlorite	EPA 300.1	250 ml amber (25 ml)	12.5 mg EDA Cool <6 C	14 days	
Coliform, Total & EColi	SM 9223 B.c	2-100 ml sterile Plastic	.008% Na ₂ S ₂ O ₃ Cool <6 C	30 hrs	
Color	SM 2120 B	Glass Qt	Cool <6 C	48 hours	
Conductivity	SM 2510 B	½ Gallon Plastic (200 ml)	Cool <6 C	28 days	
Cyanide	SM 4500-CN-C	250 ml plastic (100 ml)	>12 w/NaOH Cool <6 C	14 days	If amenable – 2 bottles
Diquot/Paraquat	EPA 549.1	500 ml HD Amber PVC	100mg Na ₂ S ₂ O ₃ Cool <6 C	7 days	
EDB & DBCP (M504)	EPA 504.1	3-40 ml	.008% Na ₂ S ₂ O ₃ Cool <6 C	14 days	
Haloacetic acid (HAA5)	EPA 552.2	Amber 250 ml	0.025mg NH ₄ Cl Cool 4 C	14 days	
Hardness, Total (calculated)	SM 2340 B	500 ml Plastic (100 ml)	<2w/HNO ₃	180 days	
Hardness, Total (titrimetric)	SM 2340 C	500 ml Plastic (100 ml)	<2w/HNO ₃	180 days	
Herbicides	EPA 515.1	Amber liter	50mg Na ₂ S ₂ O ₃ Cool <6 C	14 days	
Heterotrophic plate count	IDEXX SlimPlate	2-100 ml Sterile plastic	.008% Na ₂ S ₂ O ₃ Cool <6 C	24 hours	
IC Parameters (Br, Cl, F, NO ₂ , NO ₃ , Ortho P, SO ₄)	EPA 300.0, Rev 2.1	½ Gallon Plastic (25 ml)	Cool <6 C	48 hours	
MBAS (foaming agents)	SM 5540 C	½ Gallon Plastic (300 mls)	Cool <6 C	48 Hours	
Mercury	EPA 245.1, Rev 3.0	500 ml Plastic (100 ml)	<2w/HNO ₃	28 days	

Metals Low Level	EPA 245.7	500 ml Glass (Clean sampling) (100 ml)		28 days	
Metals (Except Cr+6)	EPA 200.7, Rev 4.4 EPA 200.8, Rev 5.4	500 ml Plastic (100 ml)	<2w/HNO3	180 days	
Odor	SM 2150 B	Amber Liter (500 ml)	Cool <6 C	48 hrs	
Oxamyl/Carbofuran	EPA 531.1	60 ml vial - 2	Monochloroacetic acid buffer Cool <6 C	14 days	
pH	SM 4500-H+B	½ Gallon Plastic (100 ml)	Cool <6 C	Immediate analysis	
PCB/Pesticide (M508)	EPA 508	Amber liter	100mg Na2S2O3 Cool <6 C	7 days	
Perchlorate	EPA 314.0	250 ml plastic (25 ml)	Cool <6 C	28 days	
Semvolatiles	EPA 525.2	Amber liter	50mg Na2SO3 Cool <6 C	14 days	pH <2 w/ 6N HCl at the lab
SUVA (UV254/DOC)	SM 5910 / SM 5310 C	Amber Liter	Cool <6 C	48 hours	
TDS	SM 2540 C	½ Gallon Plastic (100 ml)	Cool <6 C	7 days	
THM (When not part of VOC)	EPA 524.2	2-40ml glass vial ZHE	.008% Na2S2O3 Cool <6 C	14 days	
TOC	SM 5310 C	250 ml amber glass (50 ml)	<2w/H2SO4 Cool <6 C	28 days	
TR (total residue)	SM 2540 B	½ Gallon Plastic (200 ml)	Cool <6 C	7 days	
TSS (Non-filterable residue)	SM 2540 D	½ Gallon Plastic (1000 ml)	Cool <6 C	7 days	
Turbidity	SM 2130 B	½ Gallon Plastic (50 ml)	Cool <6 C	48 hrs	
UCMR3		Contact Underwriters for bottles			
Volatiles	EPA 524.2	2-40ml glass vial ZHE	<2 /Hcl(added after collection) Cool <6 C	14 days	

EDA = Ethylenediamine Na2S2O3 = Sodium Thiosulfate ZnAc = Zinc Acetate
 HCl = Hydrochloric Acid Na2SO3 = Sodium Sulfite
 HNO3 = Nitric Acid NaOH = Sodium Hydroxide
 H2SO4 = Sulfuric Acid NaHSO4 = Sodium Bisulfate