Sample Containers, Preservation and Hold Time Requirements

Analyte	Container	Amt Req (mL)	Preservation[1]	Holding Time[2]
Microbiology				
Drinking Water Total Coliforms & Fecal Coliforms P/A	P, Sterilized	100	Cool If chlorinated, 0.008% $Na_2S_2O_3$ Leave air space (~2.5 cm)	30 hours
Non Potable Water Fecal Coliforms	P, Sterilized	100	Cool If chlorinated, 0.008% $Na_2S_2O_3$ Leave air space (~2.5 cm)	8 hours (6 hrs. transit with total of 8 hrs.)
Drinking Water HPC	P, Sterilized	100	Cool If chlorinated, 0.008% $Na_2S_2O_3$ Leave air space (~2.5 cm)	8 hours
LT2 Rule E coli Enumeration	P, Sterilized	100	Cool If chlorinated, 0.008% $Na_2S_2O_3$ Leave air space (~2.5 cm)	24 hrs
Inorganic				
Acidity	P, G	100	Cool, No head space	14 days
Alkalinity	P, G	100	Cool, No head space	14 days
Ammonia Nitrogen	P, G	400	Cool, H_2SO_4 to pH<2	28 days
BOD	P, G	1000	Cool	48 hours
CBOD	P, G	1000	Cool	48 hours
Dissolved Oxygen	G bottle and top	300	None	Analyze immediately
Chloride By IC	P, G	50	Cool	28 days
Sulfate By IC	P, G	50	Cool	28 days
Nitrate By IC	P, G	50	Cool	48 hours
Nitrite By IC	P, G	50	Cool	48 hours
Bromide By IC	P, G	50	Cool	28 days
Fluoride By IC	P, G	50	Cool	28 days
Chlorine, Tot.& Free Res.	P, G	50	None	Analyze Immediately
COD	P, G	50	Cool, H_2SO_4 to pH<2	28 days
Conductivity	P, G	100	Cool	28 days
Oil & Grease	G only	1000	Cool, H_2SO_4 or HCl to pH<2	28 days
pH	P, G	25	None	Immediately analyze
Solids, Settleable	P, G	1000	Cool	48 hours
Solids, TDS	Plastic	200	Cool	7 days
Solids, TSS	Plastic	200	Cool	7 days
Turbidity	P, G	100	Cool	48 hours
Hex Chromium	P	500	Cool , (pH 9.3 – 9.7)	24 hours
Hydrazine	P or G	500	HCl to pH < 2 , Cool	7 days
Total Phosphorus	P	250	Cool, H_2SO_4 to pH<2	28 days
TOC	Amber G	250	Cool, HCl to pH<2	28 days
Organics				
VOCs	Pre- cleaned,	44 mLs per vial,	HCl pH<2 , No head space, Cool	14 days

Analyte	Container	Amt Req (mL)	Preservation[1]	Holding Time[2]
	certified glass VOA vials pre-preserved with 25 mg Ascorbic Acid	collected in duplicate		
HAA5s	Pre- cleaned, certified amber Boston round glass bottles with Teflon caps pre-preserved with 25 mg Ammonium Chloride	250 mLs collected 40 mLs extracted	Away from light, Cool	14 days 7 days for extract 14 days if extract preserved at – 10 Deg C or less.
Metals				
Metals, except Hg	P, G	100	HNO_3 to pH<2	180 days
Metals, Hg	P, G	100	HNO_3 to pH<2	28 days

[1]Note: Cool = above freezing to 6°C
[2]Note: Hold times from sample collection

CWM Environmental, SM-001T_06 effective 01/01/15
(Replaces SM-001T_05 Effective 06/21/12)
(Replaces SM-001T_04 Effective 1/1/10)
(Replaces SM-001T_03 Effective 05/01/07, added parameters)
(Replaces SM-001T_06 Effective 11/4/15)