Container / Preservative / Holding Time Chart

Analysis	Container	Preservative	Holding Time
Total Coliform	(1) Sterile Plastic	Cool <10°C ; $Na_2S_2O_3$ is required if chlorine is present	30 Hours Drinking Water
			8 Hours Wastewater
Fecal Coliform	(1) Sterile Plastic	Cool <10°C ; $Na_2S_2O_3$ is required if chlorine is present	8 Hours
HPC	(1) Sterile Plastic	Cool <10°C, $Na_2S_2O_3$	8 Hours
Acidity	(1) Plastic	Cool ≤6°C	14 days
Alkalinity	(1) Plastic	Cool ≤6°C	14 days
Ammonia	(1) Plastic	Cool ≤6°C, H_2SO_4 to pH<2	28 days
BOD5	(1) Plastic	Cool ≤6°C	48 hours
COD	(1) Plastic	Cool ≤6°C, H_2SO_4 to pH<2	28 days
Chloride	(1) Plastic	None	28 days
Chlorine, Residual	(1) Plastic	None	Test Immediately
Color	(1) Plastic	None	48 hours
Cyanide	(1) Plastic	Cool ≤6°C; NaOH pH>10; If oxidizing agents present add 0.6g of ascorbic acid per L	14 days
Fluoride	(1) Plastic	None	28 days
Hardness	(1) Plastic	HNO_3 to pH<2	6 months
Gross Alpha **(subcontracted)**	(1) Plastic	HNO_3 to pH<2	6 months
Gross Beta **(subcontracted)**	(1) Plastic	HNO_3 to pH<2	6 months
pH	(1) Plastic	Cool ≤6°C	Test Immediately
TKN	(1) Plastic	Cool ≤6°C, H_2SO_4 to pH<2	28 days
Nitrate	(1) Plastic	Cool ≤6°C	48 hours
Nitrite	(1) Plastic	Cool ≤6°C	48 hours
Nitrate-Nitrite	(1) Plastic	Cool ≤6°C, H_2SO_4 to pH<2	28 days
Oil and Grease	(1) Amber Glass	Cool ≤6°C, H_2SO_4 to pH<2	28 days
Orthophosphate	(1) Plastic	Cool ≤6°C	48 hours
Phenols (4AAP method)	(1) Glass	Cool ≤6°C, H_2SO_4 to pH<2	28 days
Phosphorous, Total	(1) Plastic	Cool ≤6°C, H_2SO_4 to pH<2	28 days
Solids (Total, Dissolved, Suspended and Volatile)	(1) Plastic	Cool ≤6°C	7 days
Solids, Settleable	(1) Plastic	Cool ≤6°C	48 hours
Silica	(1) Plastic	Cool ≤6°C	28 days
Specific Conductance	(1) Plastic	Cool ≤6°C	28 days

Container / Preservative / Holding Time Chart

Analysis	Container	Preservative	Holding Time
Sulfate	(1) Plastic	Cool ≤6°C	28 days
Sulfide	(1) Plastic	Cool ≤6°C add zinc acetate and NaOH to pH>9	7 days
Surfactants MBAS	(1) Plastic	Cool ≤6°C	48 hours
Total Organic Carbon **(**Water Only**)**	(1) Glass	Cool ≤6°C, H2SO4 to pH<2	28 days
Turbidity	(1) Plastic	Cool ≤6°C	48 hours
For the above parameters in Soil/Sludge	(1) 4-8 oz. wide mouth glass jar	Cool ≤6°C	Same as water above
SOC's			
504.1	(2)-40ml glass vials, Teflon lined septum	Cool ≤6°C, 3mg $Na_2S_2O_3$	14 days
505	(2)-40ml glass vials, Teflon lined septum	Cool ≤6°C, 3mg $Na_2S_2O_4$	14 days
515.3	(2)-60ml amber glass Vials, Teflon lined septum	Cool ≤6°C, 6mg $Na_2S_2O_3$	14 days
525.2	(3)-1000ml amber glass with Teflon lined cap	Cool ≤6°C, 50mg $Na_2S_2O_3$	14 days
531.2 **(subcontracted)**	(2)-60ml amber glass	Cool ≤6°C, 0.56g potassium dihydrogen citrate and 6mg $Na_2S_2O_3$	28 Days
547 **(subcontracted)**	(2)-60ml amber glass vials	Cool ≤6°C, 6mg $Na_2S_2O_3$	14 days
548.1 **(subcontracted)**	(2)-250ml amber glass bottle	Cool ≤6°C, 50mg $Na_2S_2O_3$	7 Days
549.2 **(subcontracted)**	(2)-500ml amber plastic bottle	Cool ≤6°C, 50mg $Na_2S_2O_3$	7 Days
Volatiles			
Drinking Water	(2)-40ml glass vials with Teflon lined septum	Cool ≤6°C, pH<2 with HCl or if residual chlorine is present add 3mg $Na_2S_2O_3$	14 days
Water	(2)-40ml glass vials with Teflon lined septum	Cool ≤6°C, pH<2 with HCl	14 days
Wastewater	(2)-40ml glass vials with Teflon lined septum	Cool ≤6°C, pH<2, **1 with HCl and 1 Non-preserved**	14 days (3 days for non-preserved vial)
Soil	(1) MeOH preserved vial or (2) VOA vials with stir bar	Cool ≤6°C	14 days (stir bar must be frozen within 48hrs)

Container / Preservative / Holding Time Chart

Analysis	Container	Preservative	Holding Time
VPH			
Water	(2)-40ml glass vials with Teflon lined septum	Cool ≤6°C, pH<2 with HCL	14 days
Soil	(1) MeOH preserved vial	Cool ≤6°C	28 days
SVOCs, PESTs/PCBs			
SVOC Water	(1)-Amber glass with Teflon lined cap	Cool ≤6°C	Samples must be extracted within 7 days
SVOC Soil	(1) 4-8 oz. wide mouth glass jar	Cool ≤6°C	Samples must be extracted within 14 days
PCB Water	(1)-Amber glass with Teflon lined cap	Cool ≤6°C	Samples must be extracted within 7
PCB Soil	(1) 4-8 oz. wide mouth glass jar	Cool ≤6°C	Samples must be extracted within 14 days
Pesticide Water	(1)-Amber glass with Teflon lined cap	Cool <6°C	Samples must be extracted within 7 days
Pesticide Soil	(1) 4-8 oz. wide mouth glass jar	Cool ≤6°C	Samples must be extracted within 14 days
EPH			
Water	(1)-Amber glass with Teflon lined cap	Cool 4°C +/- 2°C, pH<2 with HCl	Samples must be extracted within 14 days
Soil	(1) 4-8 oz. wide mouth glass jar	Cool 4°C +/- 2°C	Samples must be extracted within 14 days
Herbicides			
Water	(1) liter Amber glass with Teflon lined cap	Cool ≤6°C	Samples must be extracted within 7 days
Soil	(1) 4-8 oz. wide mouth glass jar	Cool ≤6°C	Samples must be extracted within 14 days

Container / Preservative / Holding Time Chart

Analysis	Container	Preservative	Holding Time
Metals (Except Cr VI & Hg)			
Water Dissolved	(1)-Plastic	Cool ≤6°C, Filter on site; HNO_3 to pH<2 If it can't be filtered on-site, collect into non preserved plastic	6 months
Water Total	(1)-Plastic	HNO_3 to pH<2	6 months
Soil/Sediment and Sludge	(1) 4-8 oz. wide mouth glass jar	Cool ≤6°C	6 months
Chromium IV			
Water	(1)-Plastic	Cool ≤6°C	24 hours
Soil/Sediment and Sludge	(1) 4-8 oz. wide mouth glass jar	Cool ≤6°C	Call Lab for details regarding collection of MCP compliant samples.
Mercury			
Water Total	(1)-Plastic	HNO_3 to pH<2	28 days
Water Dissolved	(1)-Plastic	Cool ≤6°C, Filter on site; HNO_3 to pH<2 If it can't be filtered on-site, collect into non preserved plastic	28 days
Soil/Sediment and Sludge	(1) 4-8 oz. wide mouth glass jar cap	Cool ≤6°C	28 days