SAMPLE CONTAINERS, PRESERVATION AND HOLDING TIMES

ORGANICS

Analysis	Minimum Volume	Container Type	Required Preservative	Holding Time from Date/Time Sampled
Volatiles by EPA 8260 or EPA 524.2	3 X 40 ML	Vials	HCl to pH<2/Cool, 4 Deg. C 10 mg Na2S2O3 For Residual Cl2	Analysis: 14 Days
Purgeable Halocarbons by EPA 8260	3 X 40 ML	Vials	Cool, 4 Deg. C 10 mg Na2S2O3 For Residual Cl2	Analysis: 14 Days
Trihalomethanes (THM)	2 X 40 ML	Vials	HCl to pH<2/Cool, 4 Deg. C/Ascorbic Acid 10 mg Na2S2O3 For Residual Cl2	Analysis: 14 Days
Gasoline Range Organics (GRO) by 8015	2 X 40 ML	Vials	HCl to pH<2/Cool, 4 Deg. C	Analysis: 14 Days
Diesel Range Organics (DRO) by 8015	2 X 1000 ML	G	Cool, 4 Deg. C	Aqueous Extraction: 7 Days Solids Extraction: 14 Days Extract Analysis: 40 Days
Purgeable Halocarbons & Aromatics by 8021B	3 X 40 ML	Vials	HCl to pH<2/Cool, 4 Deg. C 10 mg Na2S2O3 For Residual Cl2	Analysis: 14 Days
Acid Extractable by 625 or 8270C or Base Neutrals by 625 or 8270C	2 X 1000 ML	G	Cool, 4 Deg. C	Aqueous Extraction: 7 Days Solids Extraction: 14 Days Extract Analysis: 40 Days
PAH by 625 or 8270C or 8310	2 X 1000 ML	G	Cool, 4 Deg. C	Aqueous Extraction: 7 Days

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				Solids Extraction: 14 Days Extract Analysis: 40 Days
Pesticides by 608 or 8081 or PCBs by 608 or 8082	2 X 1000 ML	G	Cool, 4 Deg. C	Aqueous Extraction: 7 Days Solids Extraction: 14 Days Extract Analysis: 40 Days
Herbicides	2 X 1000 ML	G	Cool, 4 Deg. C	Aqueous Extraction: 7 Days Solids Extraction: 14 Days Extract Analysis: 40 Days
EDB/DBCP by 504.1 or 8011	2 X 40 ML	Vials	Cool, 4 Deg. C 10 mg Na2S2O3 For Residual Cl2	Analysis: 14 Days
Extractable Petroleum Hydrocarbons (EPH)	2 X 1000 ML	G	HCl to pH<2/Cool, 4 Deg. C	Aqueous Extraction: 7 Days Solids Extraction: 14 Days Extract Analysis: 40 Days
Volatile Petroleum Hydrocarbons (VPH)	3 X 40 ML	Vials	HCl to pH<2/Cool, 4 Deg. C	Analysis: 14 Days
GC TPH Fingerprint by 8015	2 X 1000 ML	G	Cool, 4 Deg. C	Aqueous Extraction: 7 Days Solids Extraction: 14 Days Extract Analysis: 40 Days
TPH by FLPRO	2 X 1000 ML	G	H2SO4 to pH<2/Cool, 4 Deg. C	Aqueous Extraction: 7 Days Solids Extraction: 14 Days Extract Analysis: 40 Days

INORGANICS & METALS

Immediate to 48 Hours				
Analysis	**Minimum Volume**	**Container Type**	**Required Preservative**	**Holding Time from Date/Time Sampled**
Biological Oxygen Demand (BOD)	500 ML	P, G	Cool, 4 Deg. C	48 Hours
Color	100 ML	P, G	Cool, 4 Deg. C	48 Hours
Dissolved Oxygen (DO)	1000 ML	G	ZHS, Cool, 4 Deg. C	Immediate
Surfactants (MBAS)	500 ML	P, G	Cool, 4 Deg. C	48 Hours
Nitrite Nitrogen	100 ML	P, G	Cool, 4 Deg. C	48 Hours
Odor	500 ML	G	Cool, 4 Deg. C	48 Hours
Orthophosphate	100 ML	P, G	Cool, 4 Deg. C Filtered in Field	48 Hours
pH	50 ML	P, G	Cool, 4 Deg. C	Immediate
Total Residual Chlorine	200 ML	P, G	Cool, 4 Deg. C	Immediate
Turbidity	100 ML	P, G	Cool, 4 Deg. C	48 Hours
Hexavalent Chromium	500 ML	P, G	Cool, 4 Deg. C	24 Hours
Sulfite	200 ML	P, G	Cool, 4 Deg. C	Immediate
Carbon Dioxide	200 ML	P, G	Cool, 4 Deg. C	Immediate
Settleable Solids (SS)	2 X 1000 ML	P, G	Cool, 4 Deg. C	48 Hours
Carbonaceous BOD	500 ML	P, G	Cool, 4 Deg. C	48 Hours
Chlorine Demand	100 ML	P, G	Cool, 4 Deg. C	Immediate
Total Coliform Bacteria	125 ML	P, G (Sterile)	Na2S2O3/Cool, 4 Deg. C	30 Hours/Potable
Fecal Coliform Bacteria	125 ML	P, G (Sterile)	Na2S2O3/Cool, 4 Deg. C	6 Hours
Total Plate Count (HPC)	125 ML	P, G (Sterile)	Cool, 4 Deg. C	8 Hours Recommended/24 Hours Maximum
General Petroleum Degraders	125 ML	P, G (Sterile)	Cool, 4 Deg. C	24 Hours Recommended

7 DAYS				
Analysis	**Minimum Volume**	**Container Type**	**Required Preservative**	**Holding Time from Date/Time Sampled**
Sulfide	2 x 250 ML	P, G	NaOH to pH>12, ZnAc/Cool, 4 Deg. C	7 Days
Total Dissolved Solids (TDS)	500 ML	P, G	Cool, 4 Deg. C	7 Days
Total Suspended Solids (TSS)	500 ML	P, G	Cool, 4 Deg. C	7 Days
Total Solids (TS)	200 ML	P, G	Cool, 4 Deg. C	7 Days
Particulate Matter	200 ML	P	Cool, 4 Deg. C	7 Days
Total Mineral Solids	200 ML	P, G	Cool, 4 Deg. C	7 Days
Total Volatile Solids (TVS)	200 ML	P, G	Cool, 4 Deg. C	7 Days
Total Volatile Suspended Solids (TVSS)	200 ML	P, G	Cool, 4 Deg. C	7 Days

Greater than 7 Days				
Analysis	**Minimum Volume**	**Container Type**	**Required Preservative**	**Holding Time from Date/Time Sampled**
Chemical Oxygen Demand (COD)	100 ML	P, G	H2SO4 to pH<2/Cool, 4 Deg. C	28 Days
Organics Nitrogen	500 ML	P, G	H2SO4 to pH<2/Cool, 4 Deg. C	28 Days
Total Nitrogen	500 ML	P, G	H2SO4 to pH<2/Cool, 4 Deg. C	28 Days
Acidity	200 ML	P, G	Cool, 4 Deg. C	14 Days
Alkalinity	200 ML	P, G	Cool, 4 Deg. C	14 Days
Mercury	500 ML	P, G	HNO3 to pH<2/Cool, 4 Deg. C	28 Days
Percent Ash	100 ML	P, G	Cool, 4 Deg. C	Not Regulated
Bromide	100 ML	P, G	Cool, 4 Deg. C	28 Days
BTU	50 ML	P, G	Cool, 4 Deg. C	Not Regulated

Bicarbonate	200 ML	P, G	Cool, 4 Deg. C	14 Days
Hardness	100 ML	P, G	HNO3 to pH<2/Cool, 4 Deg. C	6 Months
Chloride	100 ML	P, G	Cool, 4 Deg. C	28 Days
Total Metals	500 ML	P, G	HNO3 to pH<2/Cool, 4 Deg. C	6 Months
Fluoride	200 ML	P	Cool, 4 Deg. C	28 Days
Corrosivity	100 ML	P, G	Cool, 4 Deg. C	Not Regulated
Corrosivity Langlier Index	See Notes for Test Volumes	See Notes	Follow Preservation For Listed Test	Calculation: TDS, pH, ALK Hardness, Temp
Oxidation Reduction Potential (ORP)	200 ML	P, G	Cool, 4 Deg. C	Not Regulated
Amenable Cyanide	250 ML	P, G	NaOH to pH>12/Cool, 4 Deg. C	14 Days
Moisture, Karl Fischer	50 ML	P, G	Cool, 4 Deg. C	Not Regulated
Oil & Grease (413.1) / Freon Based Method	2 X 1000 ML	G	HCl to pH<2/Cool, 4 Deg. C	28 Days
Tetraethyl Lead	500 ML	P	ZHS, Cool, 4 Deg. C	Not Regulated
Paint Filter Test	200 ML	P, G	Cool, 4 Deg. C	Not Regulated
Petroleum Hydrocarbons by 418.1 (TPH)	2 X 1000 ML	G	HCl to pH<2/Cool, 4 Deg. C	28 Days (NJ - 7 days water)
Phenols by Chloroform Extraction	500 ML	G	H2SO4 to pH<2/Cool, 4 Deg. C	28 Days
Phenols	300 ML	G	H2SO4 to pH<2/Cool, 4 Deg. C	28 Days
Dissolved Silica	100 ML	P	Cool, 4 Deg. C	28 Days
Specific Conductance	200 ML	P, G	Cool, 4 Deg. C	28 Days
Specific Gravity	100 ML	P	Cool, 4 Deg. C	Not Regulated
Sulfate	200 ML	P, G	Cool, 4 Deg. C	28 Days
Percent Sulfur	50 ML	P	Cool, 4 Deg. C	Not Regulated
Total Chlorine	50 ML	P, G	Cool, 4 Deg. C	Not Regulated
Total Kjeldahl Nitrogen (TKN)	100 ML	P, G	H2SO4 to pH&tl;2/Cool, 4 Deg. C	28 Days
Total and/or Dissolved Organics Carbon	40 ML	P, G	HCl to pH<2/Cool, 4 Deg. C	28 Days

Total Organics Chlorine	100 ML	P, G	Cool, 4 Deg. C	Not Regulated
Total Organics Halides (TOX)	300 ML	G	ZHS/H2SO4 TO pH<2/Cool, 4 Deg. C	28 Days
Total Phosphorous	200 ML	P, G	H2SO4 to pH<2/Cool, 4 Deg. C	28 Days
Reactive Sulfide	100 ML	P, G	Cool, 4 Deg. C	Not Regulated
Reactive Cyanide	100 ML	P, G	Cool, 4 Deg, C	Not Regulated
Nitrate Nitrogen	50 ML	50 ML	H2SO4 to pH<2/Cool, 4 Deg. C	28 Days
Ignitability	100 ML	P, G	Cool, 4 Deg. C	Not Regulated
Nitrate + Nitrite Nitrogen	100 ML	P, G	H2SO4 to pH<2/Cool, 4 Deg. C	28 Days
Ammonia Nitrogen	200 ML	P, G	H2SO4 to pH<2/Cool, 4 Deg. C	28 Days
Cyanide	250 ML	P, G	NaOH to pH>12/Ascorbic Acid Cool, 4 Deg. C	14 Days
Oil & Grease (1661A) / Hexane Based Method	3 X 1000 ML	G	HCl to pH<2/Cool, 4 Deg. C	28 Days