



ANALYSIS BOTTLE & HOLDING TIME

ANALYSIS	BOTTLE TYPE	MATRIX	HOLD TIME	METHOD
Acidity	250 mL Plastic None	Liquid	14 days	SM2310B (4a)
Alkalinity	250 mL Plastic None	Liquid	14 days	SM2320B
Ammonia	250 ml Plastic H ₂ SO ₄	Liquid	28 days	SM4500-NH ₃ D
	4 oz Glass Jar None	Solid		
BOD/CBOD	1 L Plastic None	Liquid	2 days to set-up, 5 days to read	HACH 10360
BTU	4 oz Glass Jar None	Liquid/Solid	365 days	ASTM D3286-85 Mod
Carbon Dioxide	500 mL Plastic None	Liquid	24 hours	SM4500-CO ₂ C
Chloride	250 mL Plastic None	Liquid	28 days	EPA300.0
	4 oz Glass Jar None	Solid		
Chlorine (Total/Residual)	250 mL Plastic None	Liquid	ASAP	SM4500-Cl-G
COD	250 mL Plastic H ₂ SO ₄	Liquid	28 days	EPA410.4
Conductivity	250 mL Plastic None	Liquid	28 days	EPA120.1
Cyanide (Total/Amenable)	125 mL Plastic NaOH	Liquid	14 days	EPA 335.4/ 335.2/ SM 4500-CN-E
	4 oz Glass Jar None	Solid		
Cyanide (Available)	1 Available Cyanide Kit which includes: 1 250 mL Amber NaOH 1 250 mL Amber PbCO ₃ 1 250 mL Amber NaOH/PbCO ₃	Liquid	14 days	OIA-1677
Cyanide (Reactive)	4 oz Glass Jar None	Liquid/Solid	14 days	SW9010B
Density	125 mL Plastic None	Liquid/Solid	180 days	SM2710
Dissolved Oxygen (DO)	1 300ml BOD Bottle	Liquid	24 hours	HACH10360
Ferrous Iron	2 40 ml VOA HCl	Liquid	14 days	SM3500FeD/ HACH8146
Flash Point	125 mL Plastic None	Liquid	14 days	ASTMD3278
	8 oz Glass Jar None	Solid	365 days	SW1030
Fractional Organic Carbon (FOC)	4 oz Glass Jar None	Solid	28 days	Walkley Black
Fluoride	250 mL Plastic None	Liquid	28 days	EPA300.0
Halogens	4 oz Glass Jar None	Liquid/Solid	28 days	SW5050
Hardness	125 mL Plastic HNO ₃	Liquid	180 days	SM2340B/C
Hexavalent Chromium (Cr VI)	125 mL Plastic None	Liquid	24 hours	SM3500-Cr B/ SW7196A
	4 oz Glass Jar None	Solid ¹	30 days	
MBAS	1 L Amber None	Liquid	48 hours	SM5540C
Metals	125 mL Plastic HNO ₃	Liquid	180 days	SW6020/6020A/ EPA200.8
	4 oz Glass Jar None	Solid		
Mercury	125 mL Plastic HNO ₃	Liquid	28 days	SW7471A/ EPA245.1
	4 oz Glass Jar None	Solid		
Mercury (Low Level ng/L)	2 40 mL VOA None	Liquid	28 days	EPA1631E
Nitrate (NO ₃ -N)	250 mL Plastic None	Liquid	48 hours	EPA300.0
Nitrite (NO ₂ -N)	250 mL Plastic None	Liquid	48 hours	EPA300.0
Oil & Grease (Polar)	32 oz Glass Jar HCl	Liquid	28 days	EPA1664A

¹ If Sample is 100% Solid hold time is 2 days to extract and 7 days to run



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Organochlorine Pesticides	2 Liter Amber None	7 days to extract 40 days to run	EPA608/ SW8081A	Liquid
	4 oz Glass Jar None	14 days to extract 40 days to run		Solid
Paint Filter Test	8 oz Glass Jar None	30 days	SW9095	Liquid/Solid
Percent Oil (% Oil)	4 oz Glass Jar None	365 days	ASTMD 96-98	Liquid/Solid
Percent Water (% Water)	250 ml Plastic None	7 days	SM2540B	Liquid
PCBs	2 Liter Amber None	7 days to extract 40 days to run	EPA608/ SW8082A	Liquid
	4 oz Glass Jar None	14 days to extract 40 days to run		Solid
pH, Corrosivity	125 mL Plastic None	24 hours	SM4500-H+B	Liquid
	4 oz Glass Jar None	30 days	SW9045D	Solid
Phenols (Speciated)	2 Liter Amber None	7 days to extract 40 days to run	EPA625/ SW8270D	Liquid
Phenols (Total)	125 mL Amber H ₂ SO ₄	28 days	EPA420.1	Liquid
Phosphorus, Ortho	250 mL Plastic None (field filtered)	48 hours	SM4500-P E	Liquid
Phosphorus (Total)	250 mL Plastic H ₂ SO ₄	28 days	SM4500-P E	Liquid
	4 oz Glass Jar None			Solid
Polynuclear Aromatic Hydrocarbons (PNA or PAH)	2 Liter Amber None	7 days to extract 40 days to run	SW8270D	Liquid
	4 oz Glass Jar None	14 days to extract 40 days to run		Solid
Semi-Volatile Organics (SVOC or BNA)	2 Liter Amber None	7 days to extract 40 days to run	EPA625/ SW8270D	Liquid
	4 oz Glass Jar None	14 days to extract 40 days to run		Solid
Silica	250 mL Plastic None	28 days	SM4500-Si E	Liquid
Sulfate	250 mL Plastic None	28 days	EPA300.0	Liquid
Sulfite	250 mL Plastic None	24 hours	SM4500-SO3 2- B	Liquid
Sulfide (Field Filtered)	125 mL Plastic NaOH	7 days	SM4500-S2 D	Liquid
Sulfide (Non-Filtered)	1 Liter Amber None	7 days	SM4500-S2 D	Liquid
Sulfide (Reactive)	4 oz Glass Jar None	14 days	SW9030B	Liquid/Solid
SPLP/TCLP Extraction	3 Liter Amber None	14 days	SW1312/1311	Liquid (Water)
	32 oz Glass Jar None (250 grams)	14 days		Solid/Oil/Solvent
Total Ash Solids (Ash)	4 oz Glass Jar None	14 days	EPA106.4	Solid
Total Dissolved Solids (TDS)	500 mL Plastic None	7 days	SM2540C	Liquid
Total Kjeldahl Nitrogen (TKN)	250 mL Plastic H ₂ SO ₄	28 days	SM4500N(org)/NH ₃	Liquid
Total Organic Carbon (TOC)	2 40 mL VOAs H ₂ SO ₄	28 days	SM5310C	Liquid
Total Petroleum Hydrocarbons (TPH-IR) (Non-Polar)	32 oz Glass Jar HCl	28 days	EPA1664A	Liquid
Total Solids (TS)	4 oz Glass Jar None	28 days	SM2540B	Solid



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Total Suspended Solids (TSS)/ Volatile Suspended Solids (VSS)	1 Liter Plastic None	7 days	SM2540D	Liquid
Total Volatile Solids (TVS)	4 oz Glass Jar None	7 days	EPA160.4	Solid
TPH Diesel Range Organics (DRO)	2 Liter Amber None	7 days to extract 40 days to run	SW8015M/ SW8270D	Liquid
	4 oz Glass Jar None	14 days to extract 40 days to run		Solid
TPH Gasoline Range Organics (GRO)	3 40 mL VOA HCl	14 days ³	SW8015M/ SW8260C	Liquid
	1 40 mL VOA MeOH and 1 4oz Glass Jar None ²			Solid
Turbidity	500 mL Plastic None	48 hours	HACH T.2	Liquid
Viscosity	4 oz Glass Jar None	365 days	ASTM D4212	Liquid
Volatile Organics	3 40 mL VOA HCl	14 days ³	EPA624/ SW8260C	Liquid
	1 40 mL VOA MeOH and 1 4oz Glass Jar None ²			Solid
	3 40 mL VOA Ascorbic Acid		EPA524.2	Drinking Water

PFCs

ANALYSIS	BOTTLE TYPE	HOLD TIME	METHOD	MATRIX
PFCs	3 250 ml Plastic Trizma	14 days to extract 28 days to run	EPA 537.1	Drinking Water
PFCs	3 250 ml Plastic Ammonia Acetate	28 days to extract 28 days to run	EPA 533	Drinking Water
PFCs	3 15 ml Plastic Centrifuge Tubes	28 days run	ASTM D7979	Liquid
PFCs	3 15 ml Plastic Centrifuge Tubes 1 250 ml Plastic None ²	28 days run	ASTM D7968	Soil
PFCs	3 250 ml Plastic None 1 125 ml Plastic None ⁴	28 days to extract 28 days to run	EPA 1633	Liquid
PFCs	1 250 ml Plastic None	90 days to extract 28 days to run	EPA 1633	Soil

² 4 oz Glass Jar needed for Total Solids/Dry Weight Correction

³ Hold time 7 days without HCl preservative

⁴ Bottle is for TSS determination