

Bottle Chart

Parameter	Water/ WW Methods	SW84 6	Label Color	Bottle Type (Minimum required)	Preservative	Holding Time
GENERAL						
Acidity	SM 19 th 2310B		white	½ Gal Plastic (100ml)	Cool 4°C	14 days
Alkalinity	EPA 310.1		white	½ Gal Plastic (200ml)	Cool 4°C	14 days
Ammonia	EPA 350.1		yellow	250 Plastic (100ml)	Cool 4°C H ₂ SO ₄ < 2	28 days
Biochemical Oxygen Demand	EPA 405.1		white	½ Gal Plastic (500ml)	Cool 4°C	48 hours
Biochemical Oxygen Demand (carbonaceous)	SM 18 th 5210B		white	½ Gal Plastic (500ml)	Cool 4°C	48 hours
Bromide	EPA 300.0	9056	white	½ Gal Plastic (25ml)	None required	28 days
Chemical Oxygen Demand	EPA 410.4		yellow	250 ml Plastic (50ml)	Cool 4°C H ₂ SO ₄ < 2	28 days
Chloride	EPA 300.0	9056	white	½ Gal Plastic (25ml)	None required	28 days
Chlorine Residual	EPA 330.4		white	½ Gal Plastic (100ml)	None required	Analyze Immediately
Coliform, Total	SM 19 th Ed 9223 B		beige	2-100 ml sterile Plastic	Cool 4°C .008% Na ₂ S ₂ O ₃	30 hours
Coliform, Fecal	SM 19 th Ed. 9222 D		beige	100 ml sterile Plastic (50ml)	Cool 4C .008% Na ₂ S ₂ O ₃	6 hours
Color	EPA 110.2		white	½ Gal Plastic (200ml)	Cool 4°C	48 hours
Conductivity	EPA 120.1	9050A	white	½ Gal Plastic (100ml)	Cool 4°C	28 days
Cyanide	EPA 335.3	9012	purple	250 ml Plastic (100ml)	NaOH to >12 w/ascorbic acid Cool 4°C	14 days
Fluoride	EPA 300.0	9056	white	½ Gal Plastic (25ml)	None required	28 days
Hardness, Total	EPA 130.2		red	500 ml Plastic (100ml)	<2 w/HNO ₃ Cool 4°C	180 days

Chromium VI- aqueous	SM 19 th 3500-Cr D	EPA Method 7196A	white	½ Gal Plastic (100ml)	Cool 4°C	24 hours
Chromium VI- soil		EPA 7196A *MOD	white	9 Oz Soil Jar (4oz)	Cool 4°C	24 Hours
Mercury – Aqueous	EPA 245.1	EPA 7470A	red	500 ml Plastic (100ml)	HNO ₃ < 2	28 days
Mercury – Solid		EPA 7471A	white	9 oz Glass (4oz)		28days
Metals (Except Cr+6)	EPA 200.7 / EPA 200.8	EPA 6010A / EPA 6020A	red	500 ml Plastic (100ml)	HNO ₃ < 2	6 months
Metals (Solid)	EPA 200.7 / EPA 200.8	EPA 6010A / EPA 6020A	white	9 oz Glass (4oz)		6 months
Nitrate	EPA 300.0	EPA 9056	white	½ Gal Plastic (25ml)	Cool 4°C	48 hours
Nitrite	EPA 300.0	EPA 9056	white	½ Gal Plastic (25ml)	Cool 4°C	48 hrs
Nitrate-Nitrite	EPA 300.0	EPA 9056	yellow	250 ml H ₂ SO ₄ (25ml)	Cool 4°C	28 days
Nitrogen – Total Organic	EPA 351.3		yellow	250 ml Plastic (150ml)	Cool 4°C H ₂ SO ₄ < 2	28 days
Oil and Grease	EPA 1664A		green	2 - 1L Glass	Cool 4°C H ₂ SO ₄ < 2	28 days
Orthophosphate	EPA 300.0	EPA 9056	white	½ Gal Plastic (25ml)	Cool 4C Filter Immediately	48 hours
Oxygen Dissolved – Probe	EPA 360.1			** No Plastic	None Required	Analyze Immediately
Oxygen Dissolved – Winkler	EPA 405.1			**300 ml BOD Bottle	Fix on Site Store in Dark	8 hours
pH	SM 19 th 4500- H+ B	EPA Method 9040 B	white	½ Gal Plastic (100ml)	None required	Analyze Immediately
Phenols	EPA 420.2	EPA 9066	green	250 ml Amber glass (100ml)	Cool 4°C H ₂ SO ₄ < 2	28 days
SS% (Residue – settleable)	EPA 160.5		white	½ Gal Plastic (100ml)	Cool 4°C	48 hours
Silicon Recoverable	EPA 200.7	EPA 6010A	red	500 ml Plastic (100ml)	HNO ₃ <2	28 days
Specific Conductance	EPA 120.1	EPA 9050A	white	½ Gal Plastic (50ml)	Cool 4°C	28 days
Sulfate	EPA 300.0	EPA 9056	white	½ Gal Plastic (25ml)	Cool 4°C	28 days
Sulfide	EPA 376.2	EPA 9030A	pink	250 ml Plastic (50ml)	ZnAc Plus NaOH ₉ Cool 4°C	7 days
Sulfite	EPA 377.1		white	½ Gal Plastic (100ml)	None Required	Analyze Immediately
Surfactants	EPA 425.1		white	½ Gal Plastic (200ml)	Cool 4°C	48 hours
VA	SM 5910		blue	Amber Liter	Cool 4°C	48 hours

Silica-Gel Treated Oil and Grease (TPH)	EPA 1664		green	2ea/1L Glass	H2SO4 to <2 Cool 4°C	28 days
Temperature	EPA 170.1				None required	Analyze Immediately
Total Organic Carbon/Water	SM 19 th Ed. 5310C	EPA 9060	green	250 ml Amber Glass (100ml)	H2SO4 to <2 Cool 4°C	28 days
TDS Residue(Filterable)	EPA 160.1		white	½ Gal Plastic (100ml)	Cool 4°C	7 days
TSS Residue(Non-Filterable)	EPA 160.2		white	½ Gal Plastic (200ml)	Cool 4°C	7 days
TR Residue total	EPA 160.3		white	½ Gal Plastic (100ml)	Cool 4°C	7 days
Turbidity	EPA 180.1		white	½ Gal Plastic (50ml)	Cool 4°C	48 hours
VSS (Residue-Volatile)	EPA 160.4		white	½ Gal Plastic (100ml)	Cool 4°C	7 days

DRINKING WATER

Bromate	300.1		orange	250 ml amber glass (25ml)	EDA	28 days
Chlorate	300.1		orange	250 ml amber glass (25ml)	EDA	28 days
Chlorite	300.1		orange	250 ml amber glass (25ml)	EDA	14 days
Haloacetic Acid	552.1			1L amber glass	NH ₄ Cl Cool 4°C	28 days
IC Parameters (NO₃, NO₂, F⁻, SO₄, Ortho-P, Bromide)	EPA 300.0	EPA 9056	white	½ Gal Plastic (25ml)	Cool 4°C	48 hours
Perchlorate	314.0		white	250 ml plastic (25ml)	Cool 4°C	28 days
SUVA (DOC, UV254)	SM 5910B SM 5310C		blue	1L amber glass	Cool 4°C	48 Hrs
Trihalomethanes	524.2	EPA 8260B	green	3 40 ml vials	Cool 4C w/ .008% Na ₂ S ₂ O ₃	7 days
TOC	SM 10 th Ed. 5310C	EPA 9060	green	250 ml Amber Glass (50ml)	H2SO4 to <2 Cool 4°C	28 days

HAZARDOUS WASTE CHARACTERIZATION

TCLP + RCI		Ch 7 & 8 1010 1110 1311 9010A 9030A	grey	7-Glass wide mouth – liquid 2-Glass wide mouth – solid	Cool 4C	14 days
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ORGANICS

BTEX – GC	EPA 602	EPA 8021	dark blue ZHE	2ea/ 40 mL Glass Vial ZHE	Cool 4°C HCl <2	14 days
BTEX – GC/MS	EPA 624	EPA 8260B	dark blue ZHE	2ea/ 40 mL Glass Viall ZHE	Cool 4°C HCl <2	14 days
Herbicides	EPA 615	EPA 8151A	blue	1L Amber Glass (for QC – 3L)	Cool 4°C	7 days until ex 40 days after ex
PCB	EPA 608	EPA 8082	blue	1L Amber Glass (for QC – 3L)	Cool 4°C	7 days until ex 40 days after ex
PCB – Oil		EPA 8082	white	40ml Vial	Cool 4°C	7 days until ex 40 days after ex
Pesticides	EPA 608	EPA 8081A	blue	1L Amber Glass (for QC – 3L)	Cool 4°C	7 days until ex 40 days after ex
Organophosph oros Pesticides	622	8141A	blue	1L Amber Glass (for QC – 3L)	Cool 4°C	7 days until ex 40 days after ex
Semi-Volatiles Organics	EPA 625	EPA 8270C	blue	1 L Amber Glass (for QC – 3L)	Cool 4°C	7 days until ex 40 days after ex
TOX – Total Organic Halogens – Liq Aquous		EPA 9020B	green	250 ml Amber Glass (100ml)	Cool 4°C H ₂ SO ₄ < 2	7 days until ex 40 days after ex
TOX – Total Organic Halogins-Oil		EPA 9076	white	9 Oz Soil Jar	Cool 4°C	7 days until ex 40 days after ex
Total Petroleum Hydrocarbons (SGT)	EPA 1664		green	2- 1 L Glass	Cool 4°C H ₂ SO ₄ < 2	28 Days
Total Petroleum Hydrocarbon	TX1005 TX1006		green	3 - 40 ml glass vial (2/3 full)	NaHSO ₄ to <2	7 Days
Total Petroleum Hydrocarbons (DRO)	EPA 8015 MOD		blue	1 L Amber glass (for QC – 3L)	Cool 4°C	7 Days
Total Petroleum Hydrocarbons (GRO)	EPA 8015 MOD		white	2/40 ml VOA Vial	Cool 4°C	7 Days
Volatile Organics	EPA 624	EPA 8260B	blue ZHE	2/40 mL Glass Vial ZHE	Cool 4°C w/HCl <2	14 days

RADIOLOGICAL						
Radiological - Gross Alpha		Subcontract	grey	1L Glass	HNO ₃ to <2	6 months
Radiological - Gross Beta		Subcontract	grey	1L Glass	HNO ₃ < 2	6 months
Radium 226 & 228		Subcontract	grey	1L Glass	HNO ₃ < 2	6 months

HCl = Hydrochloric Acid

HNO₃ = Nitric Acid

H₂SO₄ = Sulfuric Acid

Na₂S₂O₃ = Sodium Thiosulfate

NaOH = Sodium Hydroxide

NaHSO₄ = Sodium Bisulfate

ZnAc = Zinc Acetate

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