

Preservative and Container Guide

Parameter	EPA Method	SW846 Method	Rec. Volume	Bottle Type	Preservative	Holding Time	Holding Time Units
48 & 96 Hour LC50 - C.dubia	1002	1002	1L	Plastic	None	24 to 36	Hours
48 & 96 Hour LC50 - Minnow	1000	1000	1L	Plastic	None	24 to 36	Hours
Acidity	305.1	305.1	250ml	Plastic	None	14	Days
Alkalinity	310.2	310.2	250ml	Plastic	None	14	Days
Ammonia Nitrogen	350.1	350.1	250ml	Plastic	Sulfuric Acid (H2SO4)	28	Days
Ammonia, distilled/titration (4500)	NH3B	NH3B	250ml	Plastic	Sulfuric Acid (H2SO4)	28	Days
Asbestos	TEM	TEM	1L	Glass	None	2	Days
Asbestos (solid)			125ml	Glass	None	180	Days
Ash Content	2540G	2540G	125ml	Glass	None	14	Days
BNA's 625 & 8270B	625	8270B	1L	Glass	None	7	Days
BOD/CBOD (Total & Soluble)	405.1	405.1	1L	Plastic	None	2	Days
BTEX (water)	602	8021	40 ml	Glass	None	7	Days
BTEX (soil)		5035	40 ml	Glass	None	48	Hours
Bromide	320.1	320.1	125ml	Plastic	None	28	Days
Carbon, Total	9060	9060	500ml	Plastic	None	7	Days
Cation Exchange Capacity	9080	9080	500ml	Plastic	None	14	Days
Chloride	325.2	9251	125ml	Plastic	None	28	Days
Chlorine, residual	330.5	330.5	125ml	Plastic	None	0	Days
Chlorophyll A	10200H	10200H	1L	Plastic	Hydrochloric Acid (HCL)	0	Days
Chromium, Hexavalent (3500)	CrD	7196A	250ml	Plastic	None	1	Days
COD	410.4	410.4	250ml	Plastic	Sulfuric Acid (H2SO4)	28	Days
COD, Soluble	410.4	410.4	250ml	Plastic	None	28	Days
Coliform, Total	909C	909C	125ml	Plastic	Sodium Thiosulfate	0	Days
Color	110.2	110.2	250ml	Plastic	None	2	Days
Corrosivity	9040A	9040A	1L	Plastic	None	0	Days
CTAS Surfactant	CTAS	CTAS	1L	Plastic	None	2	Days
Cyanide	335.3	9012	250ml	Plastic	Sodium Hydroxide (NaOH)	14	Days
Cyanide, Amenable	335.1	9012	250ml	Plastic	Sodium Hydroxide (NaOH)	14	Days
Cyanide, Free	335.3	9012	250ml	Plastic	Sodium Hydroxide (NaOH)	14	Days
Cyanide, Weak Acid Dissoc.	4500-1	4500-1	250ml	Plastic	Sodium Hydroxide (NaOH)	14	Days
Dioxin	1613	1613	1L	Glass	Sodium Thiosulfate	7	Days
Diquat	549	549	1L	Glass	Hydrochloric Acid (HCL)	7	Days
Dissolved Solids	160.1	160.1	250ml	Plastic	None	7	Days
DW Method 507	507	507	1L	Glass	Hydrochloric Acid (HCL)	14	Days
DW Method 508	508	508	1L	Glass	Hydrochloric Acid (HCL)	7	Days
DW Method 525	525	525	1L	Glass	Hydrochloric Acid (HCL)	7	Days
DW Method 531	531.1	531.1	60ml	Glass	AcAcid+Sodium Thiosulfate	7	Days
DW Method 551	551	551	60ml	Glass	None	7	Days
DW Method 552 - THAA's	552.1	552.1	60ml	Glass	Ammonium Chloride	28	Days
E. Coli			40ml	Glass	None	3	Days
EDB/DBCP	504	8011	40ml	Glass	Hydrochloric Acid (HCL)	14	Days
Endothall	548	548	250ml	Glass	None	7	Days
Extr Petroleum Hydrocarbon - NC	MADEP	MADEP	1L	Glass	Hydrochloric Acid (HCL)	14	Days
Extr Petroleum Hydrocarbon - NC	MADEP	MADEP	4 oz.	Glass	None	7	Days
Extr Petroleum Hydrocarbon - TN	EPH	EPH	1L	Glass	Hydrochloric Acid (HCL)	7	Days
Extr Petroleum Hydrocarbon - TN	EPH	EPH	4 oz.	Glass	None	14	Days
Fecal Coliform (MPN)	9221E	9221E	125ml	Plastic	Sodium Thiosulfate	1	Days
Fecal Coliform (Sludge)	9222D	9222D	125ml	Plastic	Sodium Thiosulfate	1	Days
Fecal Coliform (Water)	909A	909A	125ml	Plastic	Sodium Thiosulfate	1	Days
Fecal Strep	9230	9230	40ml	Glass	None	1	Days
Flashpoint	1010	1010	250ml	Plastic	None	NA	
Flashpoint (Closed Cup)	D56	D56	250ml	Glass	None	NA	
Fluoride	340.2	340.2	125ml	Plastic	None	28	Days
Formaldehyde	8315	8315	1L	Glass	None	3	Days
Gallium			1L	Plastic	Nitric Acid (HNO3)	180	Days
Glyphosate (DW)	547	547	1L	Glass	Sodium Thiosulfate	7	Days
Hardness	130.1	130.1	250ml	Plastic	Nitric Acid (HNO3)	180	Days
Herbicides	515.2	8151	1L	Glass	None	7	Days
Herbicides		8151	4 oz.	Glass	None	14	Days
Ign. Char. (40CFR261.21)			125ml	Glass	None	14	Days
Ignitability (soil)	D4982	D4982	4 oz.	Glass	None	NA	
Ignitability (water)	1010	1010	125ml	Glass	None	14	Days
Iodide	345.1	345.1	250ml	Plastic	None	28	Days
Kjeldahl Nitrogen, TKN	351.2	351.2	250ml	Plastic	Sulfuric Acid (H2SO4)	28	Days
MBAS	425.1	425.1	250ml	Plastic	None	2	Days
MBAS non-ionic	425.1	425.1	250ml	Plastic	None	2	Days
Mercury (Total)	245.1	7470	250ml	Plastic	Nitric Acid (HNO3)	28	Days
Mercury (Dissolved)	245.1	7470	250ml	Plastic	None	28	Days
Metals (Total) FLAME	Various	Various	250ml	Plastic	Nitric Acid (HNO3)	180	Days
Metals (Dissolved) FLAME	Various	Various	250ml	Plastic	None	180	Days
Metals (Total) GFAA	200.9	Various	250ml	Plastic	Nitric Acid (HNO3)	180	Days
Metals (Dissolved) GFAA	200.9	Various	250ml	Plastic	None	180	Days

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Metals (Total) ICP	200.7	6010	250ml	Plastic	Nitric Acid (HNO3)	180	Days
Metals (Dissolved) ICP	200.7	6010	250ml	Plastic	None	180	Days
Nitrate, Nitrite, NO3+NO2	353.2	9200	125ml	Plastic	Sulfuric Acid (H2SO4)	28	Days
Odor	140.1	140.1	250ml	Glass	None	1	Days
Oil & Grease	413.1	9070A	1L	Glass	Hydrochloric Acid (HCL)	28	Days
Oil & Grease (Hexane Extr)	1664	1664	1L	Glass	Hydrochloric Acid (HCL)	28	Days
Oil & Grease, Free	413.1	413.1	1L	Glass	None	28	Days
Oil & Grease, Hydrocarbons	418.1	418.1	1L	Glass	Hydrochloric Acid (HCL)	28	Days
Oil & Grease		9071B	4 oz.	Glass	None	28	Days
PAH	610	8270, 8100	1L	Glass	None	7	Days
PAH (HPLC)		8,310	1L	Glass	None	7	Days
PAH	8270, 8100	8270, 8100	4 oz.	Glass	None	14	Days
PAH (HPLC)		8310	4 oz.	Glass	None	14	Days
Paint Filter Test	9095	9095	2 oz.	Glass	None	NA	
Permeability (Section 2.8)	9100	9100	125ml	Glass	None	28	Days
Pesticides - Organophos Comp	8141	8141	1L	Glass	None	7	Days
Pesticides - Organophos Comp	8141	8141	4 oz.	Glass	None	14	Days
Pesticides & PCB's	8081, 8082	8081, 8082	1L	Glass	None	7	Days
Pesticides & PCB's	8081, 8082	8081, 8082	4 oz.	Glass	None	14	Days
pH	150.1	9040A	125ml	Plastic	None	0	Days
Phosphate, hydrolyzed	365.2	365.2	250ml	Plastic	None	2	Days
Phosphate, Ortho	365.2	365.2	250ml	Plastic	None	2	Days
Phosphorus, Total	365.2	365.2	250ml	Plastic	Sulfuric Acid (H2SO4)	28	Days
Rad - Gross alpha	900	900	1L	Plastic	Nitric Acid (HNO3)	180	Days
Rad - Gross beta	900	900	1L	Plastic	Nitric Acid (HNO3)	180	Days
Rad - Radium 226	903.1	903.1	1L	Plastic	Nitric Acid (HNO3)	180	Days
Rad - Radium 228	904	904	1L	Plastic	Nitric Acid (HNO3)	180	Days
Rad - Tritium	906	906	1L	Plastic	Nitric Acid (HNO3)	180	Days
React. Sulf. (SW846 7.3.4.2)	9030	9030	1L	Plastic	None	NA	
Reactive CN (SW846 7.3.4.1)	9012	9012	1L	Plastic	None	NA	
Resistivity (ASTM)	G57	G57	1L	Plastic	None	180	Days
S.O.U.R.	2710B	2710B	1L	Plastic	None	1	Hour
Salmonella			40ml	Glass	None	3	Days
Settleable Solids	160.5	160.5	1L	Plastic	None	2	Days
Solids, Total	160.3	160.3	500ml	Plastic	None	7	Days
Specific Conductance	120.1	9050	250ml	Plastic	None	28	Days
Specific Gravity			250ml	Plastic	None	14	Days
Standard Plate Count			125ml	Plastic	Sodium Thiosulfate	8	Hours
Strontium-90	905	905	1L	Plastic	Nitric Acid (HNO3)	180	Days
Sulfate	375.4	9038	125ml	Plastic	None	28	Days
Sulfide	376.2	9030A	250ml	Plastic	Sodium Hydroxide (NaOH)+ZnAc	7	Days
Sulfide, Dissolved	376.2	376.2	250ml	Glass	Sodium Hydroxide (NaOH)	7	Days
Sulfite	377.1	377.1	250ml	Plastic	None	0	Days
Sulfur, Total (ICP)	D4951	D4951	250ml	Plastic	Nitric Acid (HNO3)	0	Days
Surface Tension			1L	Plastic	None	14	Days
Suspended Solids	160.2	160.2	500ml	Plastic	None	7	Days
Tannins and Lignins	SM550B	SM550B	1L	Plastic	None	180	Days
TCLP (Solid)	1311	1311	500ml	Glass	None	14/28/180	Days
TCLP (Liquid)	1311	1311	2L	Glass	None	14/28/180	Days
TOC (Total Organic Carbon)	415.1	9060	125ml	Amber Glass	Hydrochloric Acid (HCL)	28	Days
TOC	415.1	9060	2 oz.	Glass	None	28	Days
TOC, Soluble (DOC)	415.1	9060	125ml	Amber Glass	None	28	Days
Total Chlorine in Oil	9077C	9077C	125ml	Plastic	None	14	Days
Total Phenol by 4AAP	420.2	9066	250ml	Glass	Sulfuric Acid (H2SO4)	28	Days
Total Plate Count			125ml	Plastic	Sodium Thiosulfate	1	Days
TOX (Total Organic Hologens)	5320B	9020B	1L	Glass	Nitric Acid (HNO3)	28	Days
TOX	9020	9020B	2 oz.	Glass	None	28	Days
TPH (GC/FID) High Fraction (DRO)	3550	3550	4 oz.	Glass	None	14	Days
TPH (GC/FID) High Fraction (DRO)	3510	3510	1L	Glass	Hydrochloric Acid (HCL)	7	Days
TPH (GC/FID) Low Fraction (GRO)	5030	5030	40ml	Glass	Hydrochloric Acid (HCL)	14	Days
TPH (GC/FID) Low Fraction (GRO)	5030	5030	4 oz.	Glass	None	14	Days
TPH (IR)	418.1	9073	1L	Glass	Hydrochloric Acid (HCL)	28	Days
TPH (IR)	418.1	9073	4 oz.	Glass	None	28	Days
Turbidity	180.1	180.1	250ml	Plastic	None	2	Days
UV Absorbance at 254 nm	5910	5910		Glass	None	7	Days
Viscosity			250ml	Glass	None	0	Days
VOC's (Water)	601, 602	8021	40ml	Glass	None	7	Days
VOC's (Soil)	624	8260	40ml	Glass	None		Days
VOC's	8015	8015	40ml	Glass	Hydrochloric Acid (HCL)	NA	
Vol Petroleum Hydrocarbons (VPH) for NC	MADEP	MADEP	40ml	Glass	Hydrochloric Acid (HCL)	14	Days
Vol Petroleum Hydrocarbons (VPH) for NC	MADEP	MADEP	40ml or Encore	Glass	Methanol	14	Days
Vol. Sus. Solids	2540E	2540E	500ml	Plastic	None	7	Days

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Volatile Solids	160.4	160.4	500ml	Plastic	None	7	Days
Water Content (water only)	K. F.	K. F.	500ml	Plastic	None	NA	