

Analytical Method Number	Analytical Method Name	Preservative	Container	Holding Time in Days
Water and Wastewater				
Inorganics				
SM203	Corrosivity	<4C	1L Plastic	1
SM2120 B	Color by Visual Comparison	<4C	500mL Plastic	1
SM2130 B	Turbidity	<4C	500mL Plastic	2
SM2150	Odor	<4C	1L BR	1
SM2310 B	Acidity	<4C	500mL Plastic	14
SM2320 B	Alkalinity	<4C	500mL Plastic	14
SM2330 B	Calcium Carbonate Saturation	<4C	1L Plastic	1
SM2340 B	Hardness by Calculation	HNO3 pH<2	500mL Plastic	180
SM2510 B	Conductivity	<4C	250mL Plastic	28
SM2520 B	Salinity by Conductivity	<4C	250mL Plastic	28
SM2540 B	Total Solids	<4C	1L Plastic	0
SM2540 C	TDS	<4C	500mL Plastic	7
SM2540 D	TSS	<4C	500mL Plastic	7
SM2540 E	Volatile Suspended Solids	<4C	1L Plastic	0
SM2540 G	TS/FS/VS in Solid and Semisolids	<4C	8oz Jar	7
SM2540F	Settleable Solids	<4C	1L Plastic	2
SM2550 B	Temperature	None	500mL Plastic	0
SM2710 B	Oxygen Uptake Rate (SOUR)	None	1L Plastic	0
SM2710F	Specific Gravity	None	500mL Plastic	7
SM3111 B	FLAA	HNO3 pH<2	500mL Plastic	180
SM3500-Cr D	Hexavalent Chromium	pH<2	500mL Plastic	180
SM3500-Fe D	Ferrous Iron	None	500mL Plastic	0
SM4500 NO2 B	Nitrite by color	<4C	250mL Plastic	2
SM4500-CI B	Chlorine by Iodometric Method I	None	250mL Plastic	0
SM4500-CI G	Chlorine by DPD	None	250mL Plastic	0
SM4500-CN C	Cyanide, Total	NaOH pH>12, <4C	500mL Plastic	14
SM4500-CN F	Cyanide by ISE	NaOH pH>12, <4C	500mL Plastic	14
SM4500-CN I	Weak and Dissociable Cyanide	NaOH pH>12, <4C	500mL Plastic	14

SM4500-CO2 D	Carbon Dioxide by Calculation	<4C	250mL Plastic	14
SM4500-H+ B	pH	<4C	250mL Plastic	0
SM4500-NH3 C	Ammonia by Nesslerization	H2SO4 pH<2, <4C	500mL Plastic	28
SM4500-NH3 F	Ammonia by ISE	H2SO4 pH<2, <4C	500mL Plastic	28
SM4500-NO3 F	Total Nitrate/Nitrite By Automated Cadmium Reduction	H2SO4 pH<2	500mL Plastic	28
SM4500-Norg C	Total Kjeldahl Nitrogen	H2SO4 pH<2, <4C	500mL Plastic	28
SM4500-O G	Dissolved Oxygen by Membrane Electrode	None	500mL BR	0
SM4500-P C	Phosphorus by Ascorbic Acid	H2SO4 pH<2, <4C	500mL Plastic	28
SM4500-S2 D	Hydrogen Sulfide by Methylene Blue	ZnOAc+NaOH pH>9, <4C	250 Plastic	7
SM4500-S2 E	Hydrogen Sulfide - Iodometric Method	ZnOAc+NaOH pH>9, <4C	250 Plastic	7
SM4500-Si D	Silica	None	1L Plastic	180
SM5210 B	BOD-5 Day	<4C	1L Plastic	2
SM5220 C	Chemical Oxygen Demand	H2SO4 pH<2, <4C	500mL Plastic	28
SM5310 B	Total Organic Carbon (Combustion)	HCl pH<3, <4C	60mL Vial	28
SM5310 C	Total Organic Carbon	HCl pH<3, <4C	60mL Vial	28
SM5520 B	Oil and Grease - Gravimetric	HCl pH<2, <4C	1L Clear BR	28
SM5530 C	Phenols - Chloroform Extraction	H2SO4 pH<2	1L Amber BR	28
SM5530 D	Phenols - Direct Photometric	H2SO4 pH<2	1L Amber BR	28
SM5540 C	Surfactants by MBAS	<4C	1L Amber BR	2
SM5550	Tannins and Lignins	<4C	500mL Amber BR	28
SM5560 C	Organic and Volatile Acids	<4C	500mL Amber BR	7
SM7110	Radioactivity - Gross Alpha and Beta	None	1L Plastic	28
150.1	pH for Low Electrolyte Concentrations - Water only	<4C	250mL Plastic	0
1664	Hexane Extractable Oil and Grease	HCl pH<2, <4C	1L Clear BR	14

200.7	Inductively Coupled Plasma	HNO ₃ pH<2	1L Plastic	180
200.8	ICPMS	HNO ₃ pH<2	1L Plastic	180
245.1	Cold Vapor Mercury	HNO ₃ pH<2	1L Plastic	28
300	Ion Chromatography	<4C	500mL Plastic	2
314	Perchlorate	<4C	500mL Plastic	28
335.2	Total Cyanide	NaOH pH>12, <4C	1L Plastic	14
377.1	Sulfite	None	500mL Plastic	0
Solid Waste				
6010B	ICP - Solid Waste	HNO ₃ pH<2	1L Plastic	180
6020B	ICPMS - SOLID WASTE	HNO ₃ pH<2	1L Plastic	180
Organics				
Drinking Water				
1613	Dioxins	<4C	1L Amber BR	14
504.1	EDB/DBCP	<4C	40mL Vial	14
508	PCBs	NaSO ₃ if Chlorinated Mercuric Chloride	1L Amber BR	14
508.1	Pesticides in Water	NaSO ₃ if Chlorinated pH<2 <4C	1L Amber BR	14
510.1	Maximum Trihalomethanes	<4	250mL BR	14
515.1	Herbicides by GC/ECD	NaSO ₃ if Chlorinated <4C	0.5L Amber BR	14
524.2	Volatile Organic Compounds by GC/MS	HCl pH<2 following dechlorination, <4C - THM Only - Na ₂ S ₂ O ₃ <4C	40mL Vial	14
525.2	Semi-Volatile Organic Compounds by GC/MS	NaSO ₃ if Chlorinated pH<2 <4C	1L Amber BR	14
531.1	Carbamates by HPLC	Na ₂ S ₂ O ₃ pH-3 w/monochloroacetic acid buffer <4C	100mL Amber	28
547	Glyphosate	Na ₂ S ₂ O ₃ / <4C	100mL Amber	14
548.1	Endothall	Na ₂ S ₂ O ₃ / <4C / pH <2	250mL Amber	7
548.2	Endothall	Na ₂ S ₂ O ₃ / <4C / pH <2		7
549.2	Diquat	Na ₂ S ₂ O ₃ / <4C <2, H ₂ SO ₄	250mL Amber PVC	7
552.2	HAA	NH ₄ Cl	100mL Amber	14
Water and Wastewater				
608	PCBs/Pesticides by GC/ECD	<4C - Na ₂ S ₂ O ₃ if Chlorinated - after 72 hrs pH 5-9 adjust	1L Amber	7

615	Herbicides	<4C	0.5L Amber	7
624	Volatile Organic Compounds by GC/MS	pH<2 with HCl following dechlorination with Ascorbic Acid, <4C	40mL Vial	7
625	Semi-Volatile Organic Compounds by GC/MS	<4C - Na2S2O3 if Chlorinated		7
EPA600/4-81-045	PCB in Oil		40mL Vial	28
NWTPH-Dx	Total Petroleum Hydrocarbons - Diesel/Extended	<4C / pH<2 HCl	500mL Amber BR	14
NWTPH-Gx	Gasoline w/BETX	<4C / pH<2 HCl	40mL Vial	14
NWTPH-HCID	Hydrocarbon Identification	<4C / pH<2 HCl	500mL Amber BR	14
Solid Waste				
8081A	Organochlorine Pesticides by GC/ECD	<4C	1L Amber BR	7
8082	Polychlorinated Biphenyls (PCBs) by GC/ECD	<4C	1L Amber BR	7
8141A.MOD	Organophosphorus Pesticides (GC/MS Mod)	<4C	1L Amber BR	7
8151A	Chlorinated Herbicides	<4C	500mL Amber BR	7
8260B	Volatile Organic Compounds by GC/MS	<4C / pH<2 HCl	40mL Vial	14
8270C	Semi-Volatile Organic Compounds by GC/MS	<4C	1L Amber BR	14
USGS 95-181 Mod	Organochlorine/Nitrogen/Phosphorus Pesticides by GC/MS	<4C	1L Amber BR, 4oz Jar	14
Miscellaneous				
AOAC 934.01	Moisture content, %		4oz Jar	0
AOAC 969.23	Sodium in Seafood			28
AOAC 986.31	Nitrate in Forage			28
ASA 10-2.3/10-3.3	Electrical Conductivity in Soil			28
ASA 13-3	Extractable Minerals			28
ASA 33.7	Ammonium in Soil			28
ASTM D93-85	Flash Point	<4C	1L Amber BR	2
Solids				
General				
SM4500-CN C	Cyanide, Total	<4C	4oz Jar	1

SM4500-NH3 C	Ammonia by Nesslerization	<4C	4oz Jar	1
SM4500-NH3 F	Ammonia by ISE	<4C	4oz Jar	1
SM4500-Norg C	Total Kjeldahl Nitrogen	<4C	4oz Jar	1
SM4500-P C/E	Phosphorus by Vanadium or Ascorbic Acid	<4C	4oz Jar	1
200.7	Inductively Coupled Plasma	<4C	4oz Jar	1
200.8	ICPMS	<4C	4oz Jar	1
245.5	Mercury in Solids	<4C	4oz Jar	1
6010B	ICP - Solid Waste		4oz Jar	1
6020B	ICPMS - SOLID WASTE		4oz Jar	1
7196A	Hexavalent Chromium		4oz Jar	1
7471A	Mercury in Solids		4oz Jar	1
9045A	pH in Soils and Sediment	<4C	4oz Jar	1
9081	Cation Exchange Capacity		4oz Jar	1
NWTPH-Dx	Total Petroleum Hydrocarbons - Diesel/Extended	<4C	4oz Jar, zero head space	1
NWTPH-Gx	Gasoline w/BETX	<4C	4oz Jar, zero head space	1
NWTPH-HCID	Hydrocarbon Identification	<4C	4oz Jar, zero head space	1
Solid Waste				
8081A	Organochlorine Pesticides by GC/ECD	<4C	4oz Jar	1
8082	Polychlorinated Biphenyls (PCBs) by GC/ECD	<4C	4oz Jar	1
8141A.MOD	Organophosphorus Pesticides (GC/MS Mod)	<4C	4oz Jar	1
8151A	Chlorinated Herbicides	<4C	4oz Jar	1
8260B	Volatile Organic Compounds by GC/MS	<4C	4oz Jar	1
8270C	Semi-Volatile Organic Compounds by GC/MS	<4C	4oz Jar	1
USGS 95-181 Mod	Organochlorine/Nitrogen/Phosphorus Pesticides by GC/MS	<4C	4oz Jar	1
Miscellaneous				

ASTM D93-85	Flash Point		4oz Jar	1
EPA600/4-81-045	PCB in Oil		4oz Jar	1