

Sample Preservation and Holding Time							
Analysis	EPA Method	Standard Method	SW 846 Solid Waste	Other	Holding Time	Container	Preservative
INORGANICS							
Acidity		2310B			14 days	P, FP, G	0-6°, None
Alkalinity		2320B			14 days	P, FP, G	0-6°, None
Ammonia	350.1	4500-NH3			28 days	P, FP, G	0-6°, H2SO4
BOD		5210B			48 hours	P, FP, G	0-6°, None
Bromide	300.0	4110B			28 days	P, FP, G	0-6°, None
CBOD (BOD, Carbonaceous)		5210B			48 hours	P, FP, G	0-6°, None
COD	410.4	5220			28 days	P, FP, G	0-6°, H2SO4
Chloride	300.0				28 days	P, FP, G	0-6°, None
Chlorine-total residual		4500-CL.G			15 minutes	P, G	None
Chlorine-free available		4500-CL.G					
Color		2120B			48 hours	P, FP, G	0-6°, None
Cyanide-total	335.4	4500-CN-B or C	9010C		14 days	P, FP, G	0-6°, NaOH, reducing agent if oxidizer present
Cyanide-available				OIA-1677-09	14 days	P, FP, G	0-6°, NaOH, reducing agent if oxidizer present
Cyanide-free				OIA-1677-09	14 days	P, FP, G	0-6°, NaOH, reducing agent if oxidizer present
Fluoride	300.0	4110B			28 days	P	0-6°, None
Hardness		130.1			6 months	P, FP, G	0-6°, None, HNO3 or H2SO4
Nitrogen, Kjeldahl	351.2	4500NH3B			28 days	P, FP, G	0-6°, H2SO4
Nitrogen, Organic	350.1/351.2	4500NH3B					
Mercury	245.1	3112B			28 days	P, FP, G	0-6°, HNO3
Mercury, Low-Level	1631.0				90 days	G	0-6°, HCl
Metals, Total	200.7/200.8	3125B	6010		6 months	P, FP	HNO3
Nitrate (as N)	300.0	4500-NO3			48 hours	P, FP, G	0-6°, None
Nitrate-nitrite (as N)	300.0	4500-NO3			28 days	P, FP, G	0-6°, H2SO4

Nitrite	300.0	4500-NO2			48 hours	P, FP, G	0-6°, None
Oil & Grease (HEM/SGT)	1664		9071B		28 days	G	0-6°, HC1 or H2SO4
Ortho-phosphate	365.1	4500-P-F			Filter w/l 15 minutes; analyze w/l 48 hours	P, FP, G	0-6°, None
Osmium	252.2	3111D					
Oxygen, Dissolved		4500-O.B			Analyze w/l 15 minutes	G, bottle & top	None
pH		4500H+B	9045D		15 minutes	P, FP, G	None
Phenols	420.1	5530D	9065		28 days	G	0-6°, None
Phosphorus-total	365.1	4500-P.F			28 days	P, FP, G	0-6°, H2SO4
Residue-total (TS)		2540B			7days	P, FP, G	0-6°, None
Residue-filterable (TDS)		2540C			7 days	P, FP, G	0-6°, None
Residue, Suspended (TSS)		2540D			7 days	P, FP, G	0-6°, None
Residue-settleable (SS)		2540F			48 hours	P, FP, G	0-6°, None
Residue-volatile (VS)		2540E			7 days	P, FP, G	0-6°, None
Specific Conductance	120.1	2510B	9050A		28 days	P, FP, G	0-6°, None
Sulfate (SO4)	300.0	4500-SO4.F or G			28 days	P, FP, G	0-6°, None
Sulfide (as S2)		4500S2G			7 days	P, FP, G	0-6°, None
Sulfite (as SO3)		4500-SO3			Analyze w/l 15 minutes	P, FP, G	0-6°, None
Surfactants (MBAS)		5540C			48 hours	P, FP, G	0-6°, None
Temperature °C		2550B				P, FP, G	0-6°, None
TOC		5310B	9060A		28 days	P, FP, G	0-6°, HC1, H2SO4, H3PO4
Toxicity, acute		2000.0			36 hours	P, FP, G	0-6°, None
Toxicity, chronic (fresh water organisms)		1001.0			36 hours	P, FP, G	0-6°, None
Turbidity	180.1	2130B			48 hours	P, FP, G	0-6°, None
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BTEX*	624		8260B/5030		14 Days	40mL, G. (2)	0-6°, 1:1 HCL
BTEX- Soil			8260B/5035		14 Days	Terra Core	
Volatile Organics (VOC)	624		8260B/5030		14 Days		0-6°, 1:1 HCL
VOC- Solid			8260B/5035			Terra Core	
Semi-Volatile Organics (SVOC)	625		8270C		7 Days		
SVOC-Solid			8270C				
PAH/PNA	625		8270C		7 Days		
PCB			8082A		7 Days	G	0-6°, None
TPH-DRO			8015B			G	0-6°, None
TPH-GRO			8015B			G	0-6°, None
TPH-GRO - Soil			8015B/5035			40mL, G. (2)	0-6°, None
TPH-ORO			8015B				
TPH-FEM	418.1						
TPH-HEM			9071B				
EDB/DCBP			8011		14 Days		
Total Toxic Organics	624/625/608						
Pesticides							
	608.0		8081B		7 days until extraction, 40 days after extraction	GA, FP-lined cap	0-6°, None
Herbicides			8151A			GA, FP-lined cap	0-6°, None
Organo-phos-pesticides			8270C			GA, FP-lined cap	0-6°, None
TOX			9020B			GA, FP-lined cap	0-6°, H2SO4
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HAZARDOUS WASTE	Method	Method	Solid Waste		Time		
Halides, Total Organic (TOX)			9023			GA, FP-lined cap	None
Halogens, Total - OIL			9076			G	None
TCLP Extraction			1311				None
TCLP Metals			6010/7470				
TCLP Volatiles			8260B			G	
TCLP Semi-Volatiles			8270C			G	

TCLP Pesticides			8081				
TCLP Herbicides			8051				
Ignitability of solids			1030				
Corrosivity			9045C				
Reactive Cyanide				7.3.3			
Reactive Sulfide				7.3.4			
Flashpoint			1010A	ASTM D93-80			
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MICRO BIOLOGY	Method	Method	Solid Waste		Time		
Coliform (fecal)		9222D			8 hours	PA, G	0-10°, 0.0008% Na S O
Coliform (total), in presence of chlorine		9222B			8 hours	PA, G	0-10°, 0.0008% Na S O
E, coli		9221B.1			8 hours	PA, G	0-10°, 0.0008% Na S O
Salmonella		1682			8 hours	PA, G	0-10°, 0.0008% Na S O
LEGEND							
FP = Fluoropolymer (PTFE, aka Teflon)							
G = Glass							
GA = Glass							
P = Polyethylene (all LRS plastic containers are High-Density Polyethylene (HDPE))							
PA - Any sterilizable plastic							