



Sampling Guide

<i>Aqueous Samples</i>					
Analyte	Method Number	Volume (in mls)	Container	Preservation	Holding Time
Acidity	SM 2310 B	500	p,g	1	14 days
Alkalinity	SM 2320 B	500	p,g	1	14 days
Ammonia	E 350.1	500	p,g	2	28 days
BOD	SM 5210 B	1000	p,g	1	48 hours
CBOD	SM 5210 B	1000	p,g	1	48 hours
COD	E 410.4	125	p,g	2	28 days
Chloride	SM 4500 Cl-E	250	p,g	1	28 days
Chlorine, total residual	SM 4500 Cl-G	125	p,g	none	immediate
Coliform, Fecal	SM 9222 D	125	sb	1	6 hours
Coliform, Total	SM 9222 B	125	sb	1	6 hours
Cyanide, Amenable	SM 4500 CN-G	250	p,g	3	14 days
Cyanide, Total	SM 4500 CN-E	250	p,g	3	14 days
Fluoride	SM 4500 F B	500	p	1	28 days
Hardness	SM 2340 B	500	p,g	4	6 months
Metals					
Chromium VI	SM 3500 Cr-B	500	p,g	1	24 hours
Mercury	E 245.2	250	p,g	5	28 days
All other metals	6010B/200.7	250	p,g	5	6 months
Nitrate	E 353.2	250	p,g	1	48 hours
Nitrate-Nitrate	E 353.2	250	p,g	2	28 days
Nitrite	E 353.2	250	p,g	1	48 hours
Oil & Grease	1664A	1000	ag	2	28 days
pH	SM 4500 H+B	100	p,g	none	immediate
Phenolics	E 420.4	500	ag	2	28 days
Phosphate, Ortho	E 365.3	500	p,g	1	48 hours
Phosphorous, Total	SM 4500 PE	500	p,g	2	28 days
Residue, Filterable (TDS)	SM 2540 C	1000	p,g	1	7 days
Residue, nonfilterable (TSS)	SM 2540 D	1000	p,g	1	7 days
Residue, Settleable	SM 2540 F	1000	p,g	1	48 hours
Residue, Total	SM 2540 B	1000	p,g	1	7 days
Residue, Volatile	E 160.4	1000	p,g	1	7 days
Specific Conductance	E 120.1	250	p,g	1	28 days
Sulfate	E 375.4	250	p,g	1	28 days
Sulfide	SM 4500 S ₂ D	250	p,g	6	7 days
Surfactants - MBAS	SM 5540 C	500	p,g	1	48 hours
TKN	SM 4500 N org B	500	p,g	2	28 days
Total Organic Carbon (TOC)	SM 5310 C	250	ag	2	28 days
Turbidity	E 180.1	250	p,g	1	48 hours
Volatile Organics	624	(2) 40ml	VOA Vials	7	14 days
Semivolatile Organics *	625	1000	g,a	1	7 days

*Semivolatiles include: Base/Neutral/Acids, Pesticides, PCB's, Herbicides, Polynuclear Aromatics, TPH and others



<i>Soil and other Solids</i>				
Analyte	Method Number	Volume	Container	Preservation
Ammonia	350.1 Mod	125 g	p,g	1
Chloride	SW 9250	125 g	p,g	none
Cyanide, Total	SW 9012 B	125 g	p,g	1
Metals				
Mercury	SW 7471 B	125 g	p,g	1
All other metals	SW 6010 B	125 g	p,g	1
Nitrate	E 353.2 Mod	125 g	p,g	1
Nitrate-Nitrite	E 353.2 Mod	125 g	p,g	1
Nitrite	E 353.2 Mod	125 g	p,g	1
pH	SW 9045 D	125 g	p,g	none
Phenolics	SW 9066	125 g	g,a	1
Sulfate	SW 9038	125 g	p,g	1
TCLP extraction	SW 6010	250 g	p,g	1
TKN	SM 4500N org B	125 g	p,g	1
Total Organic Carbon (TOC)	SW 9060 A	125 g	g,a	1
Volatile Organics	SW 8260 B	(2) 125g	g	1
Semivolatile Organics *	SW 8270 C	125g	g	1

*Semivolatiles include: Base/Neutral/Acids, Pesticides, PCB's, Herbicides, Polynuclear Aromatics, TPH and others

Container Codes	
p	HDPE Plastic Container
g	Glass Container
ag	Glass, Amber Container
p/g	Plastic or Glass Container
sb	Sterile Bottle

Preservation Codes	
1	Cool to $\leq 6^{\circ}\text{C}$
2	$\text{pH} < 2 \text{ H}_2\text{SO}_4$, Cool to $\leq 6^{\circ}\text{C}$
3	$\text{pH} > 12 \text{ NaOH}$, $\leq 6^{\circ}\text{C}$
4	$\text{pH} < 2 \text{ HNO}_3$, $\leq 6^{\circ}\text{C}$
5	$\text{pH} < 2 \text{ HNO}_3$, $\leq 6^{\circ}\text{C}$
6	$\text{pH} > 9 \text{ NaOH}$, Zn Acetate, $\leq 6^{\circ}\text{C}$
7	$\text{pH} < 2 \text{ HCl}$, Cool to $\leq 6^{\circ}\text{C}$