

SAMPLING GUIDE							
Soil/ Solid Samples							
General Chemistry	Method	Holding time	Amount Required	Container	Preservation	Required QC	Scheduled Delivery of Samples
Conductivity		28 days	100 grams	glass jar w/ Teflon lid	Cool at 4°C	BS, DUP	Mon - Fri
Oil and Grease	EPA 3550B/ EPA 1664 Mod	28 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
pH	Method 9045 C	analyze immediately	100 grams	glass jar w/ Teflon lid	Cool at 4°C	BS, DUP	Mon - Fri
Sulfate	EPA 375.4	28 days	100 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
Chloride	APHA4500Cl (Mod.)	28 days	100 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
Metals	Method	Holding time	Amount Required	Container	Preservation		
ICP/MS Metals	EPA 6020/EPA 7471	180 days	100 grams	plastic or glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
Mercury	EPA 7471A	28 days	100 grams	plastic or glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
Semi-Volatile Organics	Method	Holding time	Amount Required	Container	Preservation		
Chlorinated Herbicides	EPA 8151	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
PAHs	EPA 8270C/ EPA 8310	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
PCB	EPA 8082	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
Pesticides, Organochlorine	EPA 8081	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
Phenols	EPA 8270C	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
SVOC	EPA 8270C	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
Volatile Organics	Method	Holding time	Amount Required	Container	Preservation		
VOC	EPA 8260B	14 days*	40 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
8260 MTBE-Confirm	EPA 8260B	14 days*	40 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
* Collection date to Analysis date							
Total Petroleum Hydrocarbon	Method	Holding time	Amount Required	Container	Preservation		
TPH-G/BTEX	EPA 8015M/ EPA8021B	14 days*	40 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
TPH-G/BTEX	EPA 5035	14 days*	10 grams	voa vial with 10ml methanol	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
TPH-Dext	EPA 8015M	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
TPH-HCID	NWTPH-HCID	14 days	40 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, DUP	Mon - Fri
* Collection date to Analysis date							
TCLP	Method	Holding time	Amount Required	Container	Preservation		
TCLP Metals	EPA 1311/1312/6010B	180 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
TCLP SVOC	EPA 1311/1312/8270C	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
TCLP VOC	EPA 1311/1312/8260B	14 days	250 grams	glass jar w/ Teflon lid, no headspace	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
TCLP Herbicides	EPA 1311/8151A	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
TCLP Pesticides	EPA1311/8081a	14 days	250 grams	glass jar w/ Teflon lid	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
Water/Aqueous Samples	Method	Holding time	Amount Required	Container	Preservation		
General Chemistry	Method	Holding time	Amount Required	Container	Preservation		
Alkalinity	APHA 2320B	14 days	200 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, DUP	Mon - Fri
Acidity	APHA 2310B	14 days	100 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, DUP	Mon - Fri
BOD	APHA 5210B	24 hours	1000 mls	Plastic /Glass w/ Teflon lid, no headspace	Refrigerate / Cool at 2-6°C	BLK, BS,	Wed to Friday only except for special projects
Color	APHA 2120B	48 hours	500 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, DUP	Mon - Fri
COD	APHA 5220B	28 days	100 mls	Plastic/Glass bottle	Add H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Coliform, Total	APHA 9221B	24 hours	100 mls	Plastic/Glass bottle, Sterilized	Refrigerate / Cool at 2-6°C	BLK, BS,	Mon to Wed only except for special projects
Coliform, E. Coli	APHA 9221F	24 hours	100 mls	Plastic/Glass bottle, Sterilized	Refrigerate / Cool at 2-6°C	BLK, BS,	Mon to Wed only except for special projects
Coliform, Fecal	APHA 9221E	24 hours	100 mls	Plastic/Glass bottle, Sterilized	Refrigerate / Cool at 2-6°C	BLK, BS,	Mon to Wed only except for special projects
Chloride	APHA 4500-Cl	28 days	250 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Cr6 (Hexavalent Chromium)	APHA 3500-Cr B	24 hours	250 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Dissolved Oxygen	APHA4500 O C	Fix on site and store	300 mls	BOD Bottle, no	None	DUP	Mon - Fri

(Wrinkler Method)		in dark		headspace			
Ferrous Iron	APHA3500 Fe B	24 hours	500 mls	Plastic/Glass bottle	Acidify with 2ml conc HCl/100ml sample Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Hardness, Total	APHA 2340 C	6 months	500 mls	Plastic/Glass bottle	Add HNO3 or H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Nitrogen, Ammonia (NH3)	APHA 4500-NH ₃	28 days	500 mls	Plastic/Glass bottle	Analyze as soon as possible or Add H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Nitrogen, Nitrate (NO3)	APHA4500-NO3 mod	48 hours	200 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Nitrogen, Nitrite (NO2)	APHA4500-NO2 B	48 hours	200 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Nitrate-Nitrite	APHA4500-NO3 E/ EPA 353.3	28 days	300 mls	Plastic/Glass bottle	Add H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Nitrogen, Total Kjeldahl (TKN)	APHA 4500-Norg	28 days	500 mls	Plastic/Glass bottle	Add H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Nitrogen, Total	APHA 4500N	28 days	1000 mls	Plastic/Glass bottle	Add H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Oil and Grease	APHA5520B	28 days	1000 mls	1 L wide mouth bottle	Add HCl or H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
pH	APHA4500-H ⁺	analyze immediately	100 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, DUP	Mon - Fri
Phenolics, Total	APHA 5530C	28 days	1000 mls	Plastic/Glass bottle	Add H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Phosphate, Ortho	APHA 4500-P E	48 hours	250 mls	Plastic/Glass bottle	Filter on Field Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Phosphorus, Total	APHA 4500-P E	28 days	250 mls	Plastic/Glass bottle	Add H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Solids, Total Dissolved (TDS)	APHA 2540C	7 days	500 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, DUP	Mon - Fri
Solids, Total Suspended (TSS)	APHA 2540D	7 days	500 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, DUP	Mon - Fri
Solids, Total (TS)	APHA 2540B	7 days	500 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, DUP	Mon - Fri
Solids, Volatile (VS)	APHA2540E	7 days	500 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, DUP	Mon - Fri
Solids, Settleable (SS)	APHA 2540F	48 hours	1000 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	N/A	Mon - Fri
Solids, Volatile Suspended (VSS)	APHA2540 E	7 days	500 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, DUP	Mon - Fri
Specific Conductance	APHA 2510B	28 days	500 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BS, DUP	Mon - Fri
Sulfate	APHA4500 SO4 E	28 days	500 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Surfactants (MBAS)	APHA 5540C	48 hours	1000 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Temperature		N/A	100 mls	None	None	N/A	Mon - Fri
Total Organic Carbon (TOC)	EPA 415.1	28 days	500 mls	Plastic/Glass bottle	Add H2SO4 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Turbidity	APHA 2130B	48 hours	500 mls	Plastic/Glass bottle	Refrigerate / Cool at 2-6°C	DUP, BS	Mon - Fri
Water/Aqueous Samples							
Metals	Method	Holding time	Amount Required	Container	Preservation		
ICP/MS Metals	EPA 6020/EPA 200.8	180 days	500 mls	Plastic/Glass bottle	Add HNO3 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Mercury	EPA 7470A	28 days	500 mls	Plastic/Glass bottle	Add HNO3 to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Semi-Volatile Organics	Method	Holding time	Amount Required	Container	Preservation		
Chlorinated Herbicides	EPA 8151A	7 days	1000 mls	1 L Amber glass w/ PTFE seal	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
PAHs	EPA 8270C/ EPA 8310	7 days	1000 mls	1 L Amber glass w/ PTFE seal	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
PCB	EPA 8082	7 days	1000 mls	1 L Amber glass w/ PTFE seal	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Pesticides, Organochlorine	EPA 8081	7 days	1000 mls	1 L Amber glass w/ PTFE seal	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Phenols	EPA 8270C	7 days	1000 mls	1 L Amber glass w/ PTFE seal	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
SVOC	EPA 8270C	7 days	1000 mls	1 L Amber glass w/ PTFE seal	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Volatile Fatty Acids (VFA)	GC	14 days	40 mls	3 amber vov vials; no headspace	Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Volatile Organics	Method	Holding time	Amount Required	Container	Preservation		
VOC	EPA 8260B	14 days*	40 mls	2 vov vials; no headspace	Add HCl to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
VOC (Drinking Water)	EPA 524.2	14 days*	40 mls	3 vov vials; no headspace	Add HCl to pH<2 Refrigerate / Cool	BLK, BS, MS, DUP	Mon - Fri

					at 2-6°C		
8260 MTBE-Confirm	EPA 8260B	14 days*	40 mls	2 vov vials; no headspace	Add HCl to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
* Collection date to Analysis date							
Total Petroleum Hydrocarbon	Method	Holding time	Amount Required	Container	Preservation		
TPH-G/BTEX	EPA 8015M/ EPA8021B	14 days*	40 mls	2 vov vials; no headspace	Add HCl to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
TPH-Dext	EPA 8015M	14 days	1000 mls	1 L Amber glass w/ PTFE seal	Add HCl to pH<2 Refrigerate / Cool at 2-6°C	BLK, BS, MS, DUP	Mon - Fri
Fingerprint	Fingerprint	14 days	12 mls	12 ml vial with Teflon lid, no headspace	Cool at 4°C	N/A	Mon - Fri
* Collection date to Analysis date							
Air/Vapor Samples							
General Chemistry	Method	Holding time	Amount Required	Container	Preservation		
Particulate Matter	Gravimetric Method	10 days		filter paper	NA	N/A	Mon - Thur
Total Suspended Particulates	40 CFR 50 App B	10 days		filter paper	NA	N/A	Mon - Thur
SO2 in Ambient Air	Pararosaniline Method	30 days		12 ml vial	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
NO2 in Ambient Air	Griess-Saltzman Method	42 days		12 ml vial	Cool at 4°C	BLK, BS, MS, DUP	Mon - Fri
Refrigerate = storage at 4C 2C							