

SAMPLING GUIDE

The following information is reprinted from various regulatory documents and industry accepted standards. For each parameter the water method is listed first followed by the solid waste method. If you have any questions, please call (425) 356-2600.

Parameter	Method	Sample Volume	Container	Preservative	Holding Time from sample date
UST PARAMETERS					
Hydrocarbon ID	NWTPH-HCID	1 liter	1 liter amber	cool 4EC	7 days
		50 g	4 oz cwm	cool 4EC	14 days
Gasoline Range Organics	NWTPH-Gx	2 x 40 ml	40 ml VOA vial	HCL pH<2	14 days
		50 g	4 oz cwm	cool 4EC	14 days
BTEX	EPA-8021	2 x 40 ml	40 ml VOA vial	HCL pH<2	14 days
		50 g	4 oz cwm	cool 4EC	14 days
Diesel Range Organics	NWTPH-Dx	500 ml	500 ml amber	cool 4EC	7 days
		50 g	4 oz cwm	cool 4EC	14 days
ORGANICS					
Chlorinated Herbicides	8150	1 liter	1 liter amber	cool 4EC	7 days to extract then 40 days to analyze
		50 g	4 oz cwm	cool 4EC	14 days to extract then 40 days to analyze
Chlorinated Pesticides & PCBs	608/8081	1 liter	1 liter amber	cool 4EC	7 days to extract then 40 days to analyze
		50 g	4 oz cwm	cool 4EC	14 days to extract then 40 days to analyze
Organophosphorous Pesticides	8141	1 liter	1 liter amber	cool 4EC	7 days to extract then 40 days to analyze
		50 g	4 oz cwm	cool 4EC	14 days to extract then 40 days to analyze
Semivolatiles	625/8270	1 liter	1 liter amber	cool 4EC	7 days to extract then 40 days to analyze
		50 g	4 oz cwm	cool 4EC	14 days to extract then 40 days to analyze
Volatiles	624/8260	2 x 40 ml	40 ml VOA vial	HCL pH<2	14 days
		50 g	4 oz cwm	cool 4EC	14 days
METALS					
Hexavalent Chrome	218.4/7195	100 mls	500 ml HDPE	HNO ₃ pH<2	24 hours
				cool 4EC	24 hours
Mercury	245.2/7470	100 mls	500 ml HDPE	HNO ₃ pH<2	28 days
				7471	50 g
All other metals	200/6010	100 mls	500 ml HDPE	HNO ₃ pH<2	6 months
				7000/6010	50 g
CONVENTIONAL METHODS					
Acidity	305.1	100 mls	500 ml HDPE	cool 4EC	14 days
Alkalinity	310.1	100 mls	500 ml HDPE	cool 4EC	14 days
Ammonia nitrogen	350.1	50 mls	500 ml HDPE	H ₂ SO ₄ pH<2	28 days
	350.1 M	50 g	4 oz cwm	cool 4EC	28 days
BOD	405.1	500 mls	500 ml HDPE	cool 4EC	48 hours

Parameter	Method	Sample Volume	Container	Preservative	Holding Time from sample date
Chloride	300.0	50 mls	500 ml HDPE	cool 4EC	28 days
Chlorine, residual	330.5	200 mls	500 ml HDPE	none	immediate
Color	110.2	50 mls	500 ml HDPE	cool 4EC	48 hours
Conductivity	120.1	100 mls	500 ml HDPE	cool 4EC	28 days
Cyanide, total	335.2	500 mls	500 ml HDPE	NaOH pH 12	14 days
	9012	50 g	4 oz cwm	cool 4EC	14 days
Fluoride	300.0	50 mls	500 ml HDPE	cool 4EC	28 days
Hardness	130.2	100 mls	500 ml HDPE	H ₂ SO ₄ pH<2	6 months
Kjeldahl nitrogen	351.1	50 mls	500 ml HDPE	H ₂ SO ₄ pH<2	28 days
	351.1M	50 g	4 oz cwm	cool 4EC	28 days
Nitrate nitrogen	300.0	50 mls	500 ml HDPE	cool 4EC	48 hours
	300.0M	50 g	4 oz cwm	cool 4EC	48 hours
Nitrite nitrogen	300.0	50 mls	500 ml HDPE	cool 4EC	48 hours
	300.0M	50 g	4 oz cwm	cool 4EC	48 hours
Nitrate + Nitrite	300.0	50 mls	500 ml HDPE	H ₂ SO ₄ pH<2	28 days
	300.0M	50 g	4 oz cwm	cool 4EC	28 days
Oil & Grease	EPA-1664	1 liter	1 liter amber	H ₂ SO ₄ pH<2	28 days
Orthophosphate	300.0	50 mls	500 ml HDPE	cool 4EC	48 hours
	300.0M	50 g	4 oz cwm	cool 4EC	28 days
pH	150.1	50 mls	500 ml HDPE	cool 4EC	immediate
	9045	50 g	4 oz cwm	cool 4EC	28 days
Phenols	420.1	500 mls	1 liter amber	H ₂ SO ₄ pH<2	28 days
	9066	50 g	4 oz cwm	cool 4EC	28 days
Phosphorus, total	365.1	50 mls	500 ml HDPE	H ₂ SO ₄ pH<2	28 days
	365.1M	50 g	4 oz cwm	cool 4EC	28 days
Solids, total	160.3	100 mls	500 ml HDPE	cool 4EC	7 days
	160.3M	50 g	4 oz cwm	cool 4EC	28 days
Solids, dissolved	160.1	500 mls	500 ml HDPE	cool 4EC	7 days
Solids, suspended	160.2	500 mls	500 ml HDPE	cool 4EC	7 days
Solids, volatile	160.4	500 mls	500 ml HDPE	cool 4EC	7 days
Solids, settleable	160.5	1 liter	1 liter HDPE	cool 4EC	48 hours
Specific Conductance	120.1	100 mls	500 ml HDPE	cool 4EC	28 days
Sulfate	300.0	50 mls	500 ml HDPE	cool 4EC	28 days
	300.0M	50 g	4 oz cwm	cool 4EC	28 days
Sulfide	376.1/376.2	500 mls	500 ml HDPE	NaOH pH>9	7 days
	9030	100 g	4 oz cwm	cool 4EC	28 days
Sulfite	377.1	50 mls	500 ml HDPE	cool 4EC	immediate
Surfactants	425.1	250 mls	500 ml HDPE	cool 4EC	48 hours
Total Organic Carbon	415.1	25 mls	500 ml HDPE	H ₂ SO ₄ pH<2	28 days
	9060	50 g	4 oz cwm	cool 4EC	28 days
Turbidity	180.1	100 mls	500 ml HDPE	cool 4EC	48 hours

cwm= clear wide mouth (jar)

VOA= volatile organic analysis

HDPE= high density poly ethylene

HCL= hydrochloric acid

HNO₃= nitric acid

H₂SO₄= sulfuric acid

NaOH= sodium hydroxide