



# TTI ENVIRONMENTAL LABORATORIES

800 106<sup>th</sup> Street ♦ Arlington, Texas 76011 ♦ Phone: (817) 861-5322

## Sampling Guide

Analysis	Method	Water/Liquid				Soil/Sludge*
		Container	Quantity	Preservative (All samples at 4 C)	Holding Time	Holding Time
<b>Volatiles</b>						
TPH (TX 1005)	TX 1005	VOA	2 vials	HCL	14 d	14 d
TPH (TX 1006)	TX 1006	VOA	2 vials	HCL	14 d	14 d
BTEX	8021	VOA	2 vials	HCL	14 d	14 d
BTEX/MTBE	8021	VOA	2 vials	HCL	14 d	14 d
BTEX/MTBE	8260	VOA	2 vials	HCL	14 d	14 d
GRO (gasoline)	8015M	VOA	2 vials	HCL	14 d	14 d
VOCs by GC/MS	524, 624, 8260	VOA	2 vials	HCL	14 d	14 d
Alcohols	8015M	VOA	2 vials	HCL	14 d	14 d
<b>Semi-Volatiles</b>						
DRO/ORO (Diesel or oil)	8015M	AG	1 Liter	HCL	7 d	14 d
Herbicides	8151	AG	1 Liter	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	7 d	14 d
PCBs	8082, 608	AG	1 Liter		7 d	14 d
Pesticides	8081, 608	AG	1 Liter		7 d	14 d
Pesticides & PCBs	8081/8082, 608	AG	1 Liter		7 d	14 d
Phenolic Compounds	625, 8270	AG	1 Liter	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	7 d	14 d
Organo-Phos Pesticides	8141	AG	1 Liter	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	7 d	14 d
PAHs	8310, 8270	AG	1 Liter	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	7 d	14 d
SVOC by GC/MS	625, 8270	AG	1 Liter	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	7 d	14 d
Glycols	8015M	VOA	2 vials		7 d	14 d
<b>Metals</b>						
Individual Metals	200, 6000, 7000	poly	500 mL	HNO <sub>3</sub>	6 mth	6 mth
Chromium VI	7196	poly	500 mL		24 h	28 d
Mercury	245.1, 7470/7471	poly	500 mL	HNO <sub>3</sub>	28 d	28 d
<b>TCLP/SPLP</b>						
TCLP/SPLP Volatile	1311/1312/8260	VOA	100 mL		7 d	14 d
TCLP/SPLP Semi-volatile	1311/1312/8270	AG	1 Liter		7 d	14 d
TCLP/SPLP Pesticides	1311/1312/8081	AG	1 Liter		7 d	14 d
TCLP/SPLP Herbicides	1311/1312/8151	AG	1 Liter		7 d	14 d
TCLP/SPLP Metals	1311/1312/6010/7470	poly or glass	500 mL		28 d	28 d

\*Soil Sludge can be collected in 4 oz. or 8 oz glass jars with Teflon lid and preserved at 4C.



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		Container	Quantity	Preservative (All samples at 4 C)	Holding Time	Container	Holding Time
<b>Inorganics/Wet Chemistry</b>							
Acidity	305.1	poly or glass	500 mL		14 d	4 oz Glass	14 d
Alkalinity	310.1	poly or glass	250 mL		14 d	4 oz Glass	14 d
Ammonia	350.3	poly or glass	250 mL	H2SO4	28 d	4 oz Glass	28 d
BOD	405.1	poly	1 Liter		48 h	.....	.....
Bromide	300	poly or glass	150 mL		28 d	4 oz Glass	28 d
Chloride	300	poly or glass	150 mL		28 d	4 oz Glass	28 d
Chlorine	330.5	poly or glass	250 mL		15 min	.....	.....
COD	410.4	poly or glass	150 mL	H2SO4	28 d	4 oz Glass	28 d
Coliform	9221, 9222	poly or glass	500 mL	Na2S2O3	8 h	4 oz Glass	imm.
Color	110.2	poly or glass	100 mL		48 h	.....	.....
Cyanide (Reactive)	SW-846 7.3.4	poly or glass	500 mL		.....	4 oz Glass	.....
Cyanide (Total)	335.2	poly or glass	500 mL	NaOH	14 d	4 oz Glass	14 d
Dissolved Oxygen	360.1	poly or glass	100 mL		15 min	.....	.....
Flashpoint	1010/1030	glass	500 mL		N/A	4 oz Glass	N/A
Fluoride	300	poly or glass	500 mL		28 d	4 oz Glass	28 d
Hardness	130.2/6010	poly or glass	500 mL	HNO3	N/A	.....	.....
Ignitability	1010	glass	500 mL		N/A	4 oz Glass	N/A
MBAS (Surf.)	425.1	poly or glass	1 Liter		48 h	.....	.....
Nitrate-Nitrite	300	poly or glass	500 mL		28 d	4 oz Glass	28 d
Odor	140.1	AG	500 mL		24 h	.....	.....
Oil and Grease	1664	AG	1 Liter	HCL	28 d	.....	.....
Paint Filter	9095	poly or glass	.....	.....	.....	4 oz Glass	N/A
pH	150.1, 9045	poly or glass	100 mL	none	imm.	4 oz Glass	imm.
Phenols (Total)	420.1	G	1 Liter	H2SO4	28 d	4 oz Glass	28 d
Phosphate	365.2	poly or glass	250 mL		48 h	4 oz Glass	48 h
Phosphorus	365.2	poly or glass	500 mL	H2SO4	28 d	4 oz Glass	28 d
Settleable Solids	160.5	poly or glass	1 Liter		imm.	.....	.....
Spec. Conductance	120.1	poly or glass	500 mL		28 d	4 oz Glass	28 d
Sulfate	300	poly or glass	500 mL		28 d	4 oz Glass	28 d
Sulfide	9030/376.1	poly or glass	500 mL	NaOH + ZnAc	7 d	4 oz Glass	7 d
Sulfide, Reactive	SW 7.3.4.2	poly or glass	500 mL	NaOH	7 d	4 oz Glass	7 d
Sulfite	SM4500B	poly or glass	250 mL		15min	4 oz Glass	imm.
TDS	160.1	poly or glass	500 mL		7 d	.....	.....
TKN	351.4	poly or glass	500 mL	H2SO4	28 d	4 oz Glass	28 d
TOC	415.2, 9060	VOA	2 vials	HCL	28 d	4 oz Glass	28 d
TOX	9020	AG	500 mL	H2S04	28 d	4 oz Glass	28 d
Total Solids	160.3	poly or glass	1 Liter		7 d	4 oz Glass	7 d
TSS	160.2	poly or glass	1 Liter		7 d	.....	.....
Turbidity	180.1	poly or glass	100 mL		48 h.	.....	.....
TVS (vol. solids)	160.4	poly or glass	500 mL		7 d	.....	.....