

## Sample Matrix, Container and Preservative Information

### Containers:

P = polyethylene bottle with polypropylene cap

G = glass

GA = glass amber bottle with teflonlined cap

VOA = glass bottle(40 ml or 250ml) with Teflon septum lined cap, no headspace

### Liquid Matrix Analytical Groups

Used Oil Burning Specs	Matrix	Container	Perservative
Total Metals (As,Cd,Cr,Pb)	L	500 ml,G	0-6°C
Flashpoint	L	50 ml, G	0-6°C
Total Halogens	L	500 ml,G	0-6°C

Hazardous Waste Characterization / Initial Characterization	Matrix	Container	Perservative
TCLP Metals	L	500 ml,G	0-6°C
Flashpoint	L	50 ml, G	0-6°C
pH	L	100 ml,G	0-6°C
TCLPSVOC	L	1L, GA	0-6°C
TCLPVOC	L	250ml, VOA or 3x40	0-6°C
TripBlank(VOC)	L	(1) 40 ml, VOA	HC1, 0-6°C

Hazardous Waste Characterization / Quarterly**	Matrix	Container	Perservative
Appearance*	L	100 ml, G	0-6°C
pH*	L	100 ml, G	0-6°C
Flashpoint*	L	100 ml, G	0-6°C
OrganicChlorides*	L	100 ml, G	0-6°C
Benzene (Total or TCLP)*	L	(2) 40 ml, VOA	HC1, 0-6°C
Trip Blank (Total Benzene)	L	(1) 40 ml, VOA	HC1 ,0-6°C
RCRA Metals (Total or TCLP)*			

\*All can be in one 100 ml container.

\*\*Refer to section 6 of the Hilcorp Waste Analysis Profile (WAP) for which analyses need to be performed.

### Solid Matrix Analyte / Sample Specifications

Parameter	Method	Matrix	Container	Preservative	Holding Time
Total Benzene	EPA 8260D	S	4oz, G	MeOH, 0-6°C	28 days
BTEX/GRO	EPA 8021b / AK101	S	4oz, G	MeOH, 0-6°C	28 days
DRO/PRO	AK 102 / 103	S	8oz, G	0-6°C	14 days
Total Metals	EPA 6020A	S	8oz, G	0-6°C	6 months
TPH	EPA 1664	S	8oz, G	0-6°C	28 days
PAH	EPA 8270E	S	8oz, G	0-6°C	14 days
Total VOC (GC/MS)	EPA 8260D	S	8oz, G	0-6°C	14 days
Total VOC (GC/PID)	EPA 8260D	S	8oz, G	MeOH, 0-6°C	14 days
SVOC	EPA 8270E	S	8oz, G	0-6°C	14 days
TCLP Metals	EPA 1311 / 6020A	S	8oz, G	0-6°C	6 months
TCLP Benzene	EPA 1311 / 8260D	S	8oz, G	0-6°C	14 days
TCLP SVOC	EPA 1311 / 8270E	S	8oz, G	0-6°C	14/ 7 days
TCLP VOC	EPA 1311 / 8260D	S	8oz, G	0-6°C	14 days
Corrosivity (pH)	EPA 9045B	S	8oz, G	0-6°C	ASAP
Conductivity	EPA 120.1	S	8oz, G	0-6°C	ASAP
Salinity	SM 2520B	S	8oz, G	0-6°C	ASAP
Glycol/Methanol	ASTM D3695	S	4oz, G	0-6°C	28 days

### Liquid Matrix Analyte / Sample Specifications

Parameter	Method	Matrix	Container	Preservative	Holding Time
Total Benzene	EPA 8260	L	(2) 40 ml, VOA	HCl, 0-6°C	14 days
BTEX/GRO	EPA 8260D / AK 101	L	(3) 40ml, VOA	HCl, 0-6°C	14 days
DRO/PRO	AK 102 / 103	L	1L, GA	HCl, 0-6°C	7 days
Total Metals	EPA 6020A	L	1L, G	HNO <sub>3</sub> atlab, 0-6°C	6 months
O + G/TPH	EPA 1664	L	1L, G	HCl, 0-6°C	28 days
PAH	EPA 8270E	L	1L, GA	0-6°C	7 days
Total VOC	EPA 8260D	L	(4) 40 ml, VOA	HCl, 0-6°C	14 days
Total SVOC	EPA8270	L	1L, GA	0-6°C	7 days

TCLP Metals	EPA 1311 / 6020A	L	500ml, G	HNO <sub>3</sub> atlab, 0-6°C	6 months
TCLP Benzene	EPA 1311 / 8260D	L	(3)40ml, VOA	0-6°C	14 days
TCL PVOC	EPA 1311 / 8260D	L	(3)40ml, VOA	0-6°C	14 days
TCL PSVOC	EPA 1311 / 8270E	L	1L, GA	0-6°C	7 days
Glycol/Methanol	ASTM 3695	L	500ml, G	0-6°C	28 days
Corrosivity (pH)	SM4500 H / EPA 150.1	L	125ml, P/G	0-6°C	24 hours
Flashpoint	EPA 1020	L	50ml, G	0-6°C	14 days
Conductivity	EPA 120.1 / SM2510B	L	500ml, P/G	0-6°C	24 days
Salinity	SM 2520B	L	500ml, P/G	0-6°C	24 days
Turbidity	EPA 2130B, EPA 180.1	L	500ml, P/G	0-6°C	24 days
Organic Chlorides	EPA 8260	L	40ml, VOA	H <sub>2</sub> SO <sub>4</sub> , 0-6°C	14 days
Total Halogens	EPA 9076 / EPA 8260D	L	500ml, GA	0-6°C	28 days