

Sample Matrix, Container and Preservative Information

Containers:

P = polyethylene bottle with polypropylene cap

G = glass

GA = glass amber bottle with teflon lined cap

VOA = glass bottle (40 ml or 250 ml) 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	4°C
Flashpoint	L	50 ml, G	4°C
Total Halogens	L	500 ml, G	4°C

Hazardous Waste Characterization / Pad 3 Initial Characterization	Matrix	Container	Perservative
TCLP Metals	L	500 ml, G	4°C
Flashpoint	L	50 ml, G	4°C
pH	L	100 ml, G	4°C
TCLP SVOC	L	1 L, GA	4°C
TCLP VOC	L	250 ml, VOA or 3x40	4°C
Trip Blank (VOC)	L	(1) 40 ml, VOA	HC1, 4°C

Pad 3 Fingerprint	Matrix	Container	Perservative
Appearance*	L	100 ml, G	4°C
pH*	L	100 ml, G	4°C
Flashpoint*	L	100 ml, G	4°C
Organic Chlorides*	L	100 ml, G	4°C
Benzene	L	(3) 40 ml, VOA	HC1, 4°C
Trip Blank (Benzene)	L	(1) 40 ml, VOA	HC1, 4°C

**All can be in one 100 ml container.*

Solid Matrix Analyte/Sample Specifications

Parameter	Method	Matrix	Container	Preservative	Holding Time
Benzene	EPA 8021b	S	4oz, G	MeOH, 4°C	28 days
BTEX/GRO	EPA 8021b / AK 101	S	4oz, G	MeOH, 4°C	28 days
DRO/PRO	AK 102 / 103	S	8oz, G	4°C	14 days
Total Metals	EPA SW 846	S	8oz, G	4°C	6 months
TPH	EPA 1664	S	8oz, G	4°C	28 days
PAH	EPA 8100	S	8oz, G	4°C	14 days
VOC (GC/MS)	EPA 8260	S	8oz, G	4°C	14 days
VOC (GC/PID)	EPA 8021b	S	8oz, G	MeOH, 4°C	14 days
SVOC	EPA 8270	S	8oz, G	4°C	14 days
TCLP Metals	EPA 1311 / SW 846	S	8oz, G	4°C	6 months
TCLP Benzene	EPA 1311 / 8021b	S	8oz, G	4°C	14 days
TCLP SVOC	EPA 1311 / 8270	S	8oz, G	4°C	14 / 7 days
TCLP VOC	EPA 1311 / 8260	S	8oz, G	4°C	14 days
Corrosivity (pH)	EPA 9045B	S	8oz, G	4°C	ASAP
Conductivity	EPA 120.1	S	8oz, G	4°C	ASAP
Salinity	SM 2520B	S	8oz, G	4°C	ASAP
Glycol/Methanol	ASTM D3695	S	4oz, G	4°C	28 days

Liquid Matrix Analyte/Sample Specifications

Parameter	Method	Matrix	Container	Preservative	Holding Time
Benzene	EPA 8021b	L	(3) 40 ml, VOA	HCl, 4°C	14 days
BTEX/GRO	EPA 8021b / AK 101	L	(3) 40 ml, VOA	HCl, 4°C	14 days
DRO/PRO	AK 102 / 103	L	1 L, GA	HCl, 4°C	7 days
Total Metals	EPA SW846	L	1 L, G	HNO ₃ at lab, 4°C	6 months
TPH	EPA 1664	L	1 L, G	HCl, 4°C	28 days
PAH	EPA 8100	L	1 L, GA	4°C	7 days
VOC	EPA 8260	L	(3) 40 ml, VOA	HCl, 4°C	14 days

SVOC	EPA 8270	L	1 L, GA	4°C	7 days
TCLP Metals	EPA 1311 / SW846	L	500 ml, G	HNO ₃ at lab, 4°C	6 months
TCLP Benzene	EPA 1311 / 8021b	L	(3) 40 ml, VOA	4°C	14 days
TCLP VOC	EPA 1311 / 8260	L	(3) 40 ml, VOA	4°C	14 days
TCLP SVOC	EPA 1311 / 8270	L	1 L, GA	4°C	7 days
Glycol / Methanol	ASTM 3695	L	500 ml, G	4°C	28 days
Corrosivity (pH)	SM4500 H / EPA 150.1	L	125 ml, P/G	4°C	24 hours
Flashpoint	EPA 1020	L	50 ml, G	4°C	14 days
Conductivity	EPA 120.1 / SM2510B	L	500 ml, P/G	4°C	24 days
Salinity	SM 2520B	L	500 ml, P/G	4°C	24 days
Turbidity	EPA 2130B, EPA 180.1	L	500 ml, P/G	4°C	24 days
Organic Chlorides	EPA 8260	L	40 ml, VOA	H ₂ SO ₄ , 4°C	14 days
Total Halogens	ASTM D808 / SM4500CL	L	500 ml, GA	4°C	28 days