



**Soil, Sludge, Sediment & Haz Waste Characterization Program Work - Including Subcontracted Analytical Specifics**

Analysis	Test Method	PQL(s)	Bottle Size/Type	Preservation	Hold Time	Sub	Lab Dept.
Alkalinity - Total	SM2320B	5mg/kg	4oz Glass Jar	None	28days		Wet Chem
Alkalinity - Bicarbonate	SM2320B	5mg/kg	4oz Glass Jar	None	28days		Wet Chem
Alkalinity - Carbonate	SM2320B	5mg/kg	4oz Glass Jar	None	28days		Wet Chem
Alkalinity - Hydroxide	SM2320B	5mg/kg	4oz Glass Jar	None	28days		Wet Chem
Ammonia	SM4500NH3C	5mg/kg	4oz Glass Jar	None	28days		Wet Chem
Ammonia as Nitrogen	SM4500NH3C	2mg/kg	4oz Glass Jar	None	28days		Wet Chem
Asbestos - Soil	PLM/EPA600/R-93-116	Sub	4oz Glass Jar	None	180days	*	Sub
Asbestos - Sludge	EPA100.2	Sub	4oz Glass Jar	None	180days	*	Sub
Bioassay 96hr by Fathead Minnow (LC50)	Polisini & Miller	NA	1 Liter Amber or Poly	None	180days		Bioassay
Biological Oxygen Demand (BOD)	SM5210B	5mg/kg	4oz Glass Jar	None	48hrs		Wet Chem
Chemical Oxygen Demand (COD)	SM5220D	10mg/kg	4oz Glass Jar	None	28days		Wet Chem
Coliform - Enterococcus	SM9230	2MPN/g	4oz Glass Jar	None	6hrs		Wet Chem
Coliform - Total (MPN)	SM9221	2MPN/g	4oz Glass Jar	None	6hrs		Wet Chem
Coliform - Fecal (MPN)	SM9221	2MPN/g	4oz Glass Jar	None	6hrs		Wet Chem
Coliform - Heterotrophic Plate Count	SM9215B	1.0CFU/g	4oz Glass Jar	None	8hrs		Wet Chem
Conductivity	EPA120.1	20umhos/cm	4oz Glass Jar	None	28days		Wet Chem
Methyl Blue Active Substances (MBAS)	SM5540C	5mg/kg	4oz Glass Jar	None	48hrs		Wet Chem
pH	EPA9045B	NA	4oz Glass Jar	None	60days		Wet Chem
Salmonella	EPA1620	Sub	4oz Glass Jar	None	24hrs	*	NA
Solids - Total Dissolved	SM2540C	10mg/kg	4oz Glass Jar	None	7days		Wet Chem
Solids - Total Fixed	EPA160.4	1mg/kg	4oz Glass Jar	None	7days		Wet Chem
Solids - Total Volatile	EPA160.4	1mg/kg	4oz Glass Jar	None	7 days		Wet Chem
Solids - Volatile Suspended	EPA160.4	1mg/kg	4oz Glass Jar	None	7 days		Wet Chem
Total Kjeldahl Nitrogen (TKN)	SM4500 - NoB	10mg/kg	4oz Glass Jar	None	28 days		Wet Chem

Ag - Silver by ICP	EPA6010	5mg/kg	4oz Glass Jar	None	180days		Inorganics
Al - Aluminum by ICP	EPA6010	20mg/kg	4oz Glass Jar	None	180days		Inorganics
As - Arsenic by GFAA	EPA7060A	2mg/kg	4oz Glass Jar	None	180days		Inorganics
B - Boron by ICP	EPA6010	50mg/kg	4oz Glass Jar	None	180days		Inorganics
Ba - Barium by ICP	EPA6010	10mg/kg	4oz Glass Jar	None	180days		Inorganics
Be - Beryllium by ICP	EPA6010	0.75mg/kg	4oz Glass Jar	None	180days		Inorganics
CAM 17 Metals (Group List)	Various	<a href="#">Click Here</a>	4oz Glass Jar	None	28days		Inorganics
CAM 5 (Group List)	EPA6010	<a href="#">Click Here</a>	4oz Glass Jar	None	180days		Inorganics
Ca - Calcium by ICP	EPA6010	50mg/kg	4oz Glass Jar	None	180days		Inorganics
Cd - Cadmium by ICP	EPA6010	1mg/kg	4oz Glass Jar	None	180days		Inorganics
Chloride	EPA300.0	5mg/kg	4oz Glass Jar	None	28days		Inorganics
Co - Cobalt by ICP	EPA6010	10mg/kg	4oz Glass Jar	None	180days		Inorganics

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Cr - Chromium by ICP	EPA6010	5mg/kg	4oz Glass Jar	None	180days		Inorganics
Cr6 (Hexavalent Chromium)	EPA7196	0.8mg/kg	4oz Glass Jar	None	180days		Inorganics
Cu - Copper by ICP	EPA6010	10mg/kg	4oz Glass Jar	None	180days		Inorganics
Cyanide	EPA9010	2mg/kg	4oz Glass Jar	None	14days		Inorganics
Cyanide - Amenable	EPA9010	2mg/kg	4oz Glass Jar	None	14days		Inorganics
Cyanide - Reactive	SW846 Ch.10	250mg/kg	4oz Glass Jar	None	28days		Inorganics
Fe - Iron by ICP	EPA6010	50mg/kg	4oz Glass Jar	None	180days		Inorganics
Fluoride	EPA300.0	1mg/kg	4oz Glass Jar	None	28days		Inorganics
Gross Alpha (Radiological)	EPA9310	Sub	4oz Glass Jar	None	7days	*	NA
Gross Beta (Radiological)	EPA9310	Sub	4oz Glass Jar	None	7days	*	NA
Hg - Mercury	EPA7471	0.2mg/kg	4oz Glass Jar	None	28days		Inorganics
Ignitability - Flashpoint	EPA1010	40.0°F	8oz Glass Jar	None	180days		Inorganics
K - Potassium by ICP	EPA6010	50mg/kg	4oz Glass Jar	None	180days		Inorganics
Mg - Magnesium by ICP	EPA6010	50mg/kg	4oz Glass Jar	None	180days		Inorganics
Mn - Manganese by ICP	EPA6010	5mg/kg	4oz Glass Jar	None	180days		Inorganics
Mo - Molybdenum by ICP	EPA6010	10mg/kg	4oz Glass Jar	None	180days		Inorganics
Na - Sodium by ICP	EPA6010	50mg/kg	4oz Glass Jar	None	180days		Inorganics
Ni - Nickel by ICP	EPA6010	10mg/kg	4oz Glass Jar	None	180days		Inorganics
Nitrate	EPA300.0	10mg/kg	4oz Glass Jar	None	28days		Inorganics
Nitrate as N	EPA300.0	2mg/kg	4oz Glass Jar	None	28days		Inorganics
Nitrite	EPA300.0	10mg/kg	4oz Glass Jar	None	28days		Inorganics
Nitrite as N	EPA300.0	2mg/kg	4oz Glass Jar	None	28days		Inorganics
Orthophosphate	EPA300.0	3mg/kg	4oz Glass Jar	None	72hrs		Inorganics
Pb - Lead by ICP	EPA6010	5mg/kg	4oz Glass Jar	None	180days		Inorganics
Pb - Lead by GFAA	EPA7421	2mg/kg	4oz Glass Jar	None	180days		Inorganics
Phosphate	EPA300.0	1mg/kg	4oz Glass Jar	None	28days		Inorganics
Radium 226 (Radiological)	EPA9320	Sub	4oz Glass Jar	None	180days	*	NA
Radium 228 (Radiological)	EPA9320	Sub	4oz Glass Jar	None	180days	*	NA
RCI (Reactivity, Corrosivity, Ignitability)	Various	<a href="#">Click Here</a>	4oz Glass Jar	None	28days		Inorganics
Sb - Antimony by ICP	EPA6010	15mg/kg	4oz Glass Jar	None	180days		Inorganics
Se - Selenium by GFAA	EPA7740	1mg/kg	4oz Glass Jar	None	180days		Inorganics
Sn - Tin by ICP	EPA6010	10mg/kg	4oz Glass Jar	None	180days		Inorganics
Sulfate	EPA300.0	5mg/kg	4oz Glass Jar	None	28days		Inorganics
Sulfide	EPA9034	Sub	4oz Glass Jar	None	7days	*	NA
Sulfide - Reactive	SW846 Ch.7	500mg/kg	4oz Glass Jar	None	180days		Inorganics
Tannins & Lignins	SM5550B	0.5mg/kg	4oz Glass Jar	None	180days		Inorganics
Ti - Titanium	EPA6010	5.0mg/kg	4oz Glass Jar	None	180days		Inorganics
Tl - Thallium by ICP	EPA6010	7mg/kg	4oz Glass Jar	None	180days		Inorganics
Total Organic Carbon (TOC)	EPA9060	1mg/kg	4oz Glass Jar	None	180days		Inorganics
Total Inorganic Carbon (TIC)	EPA9060	1mg/kg	4oz Glass Jar	None	180days		Inorganics
Tritium (Radiological)	EPA906	Sub	4oz Glass Jar	None	180days	*	NA
Uranium	DOE U-04	Sub	1 Liter Poly	None	180days	*	NA
V - Vanadium by ICP	EPA6010	5mg/kg	4oz Glass Jar	None	180days		Inorganics
Zn - Zinc by ICP	EPA6010	10mg/kg	4oz Glass Jar	None	180days		Inorganics

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8081/8082 Organo Pesticides /PCBs	EPA8081/8082	<a href="#">Click Here</a>	8oz Glass Jar	None	14days		Organics
8141 Organophosphorus Pesticides	EPA8141	<a href="#">Click Here</a>	8oz Glass Jar	None	14days		Organics
8151 Chlorinated Herbicides	EPA8151	Sub	8oz Glass Jar	None	14days	*	Sub
8260 Volatile Organics	EPA8260	<a href="#">Click Here</a>	8oz Glass Jar	None	14days		Organics
8270 Semivolatile Organics	EPA8270	<a href="#">Click Here</a>	8oz Glass Jar	None	14days		Organics
8270 Polynuclear Aromatics	EPA8270SIM	<a href="#">Click Here</a>	8oz Glass Jar	None	14days		Organics
8270 Phenols - Speciated	EPA8270	<a href="#">Click Here</a>	8oz Glass Jar	None	14days		Organics
Dioxin / Furans	EPA8290	Sub	8oz Glass Jar	None	365days	*	Sub
Oil & Grease - TPRH	EPA9071B	250mg/l	8oz Glass Jar	None	28days		Organics
Phenol - Total	EPA420.1	5mg/kg	4oz Glass Jar	None	28days		Organics
TPH - Aviation Gas	EPA5035/8015GRO	1mg/kg	Core	None	48hrs		Organics
TPH - Bunker Oil	EPA8015	2mg/kg	Core	None	14days		Organics
TPH - Diesel & Motor Oil	EPA8015	<a href="#">Click Here</a>	Core	None	14days		Organics
TPH - Gasoline, BTEX, MTBE & Oxys	EPA8015GRO + 8260B	<a href="#">Click Here</a>	Core	None	14days		Organics
TPH - Hydraulic Oil	EPA8015	2mg/kg	Core	None	14days		Organics
TPH - Insulating Oil	EPA8015	2mg/kg	Core	None	14days		Organics
TPH - Jet Fuel	EPA8015GRO	1mg/kg	Core	None	14days		Organics
TPH - Kerosene	EPA8015	1mg/kg	Core	None	14days		Organics
TPH - Mineral Oil	EPA8015	2mg/kg	Core	None	14days		Organics
TPH - Stoddard	EPA8015	1mg/kg	Core	None	14days		Organics
TPH - Vegetable Oil	EPA8015	5mg/kg	Core	None	14days		Organics

TCLP Extraction	EPA1311						
TCLP - ZHE for Volatile Organic Compounds	EPA1311						
STLC Extraction	TITLE22WET						
STLC - ZHE for Volatile Organic Compounds	TITLE22WET						
DI WET Extraction	TITLE22WET						
DI WET - ZHE for Volatile Organic Compounds	TITLE22WET						
Encore Sampler Extraction	EPA5035						
Special Column Silica Gel Cleanup	EPA3630C						