



phone 231.773.5998  
 toll-free 800.733.5998  
 fax 231.773.6537

Trace Analytical Laboratories, Inc.  
 2241 Black Creek Road  
 Muskegon, MI 49444-2673  
 info@trace-labs.com  
 www.trace-labs.com

## Sampling requirements for Soils

Test Parameter	Method	Container	Min. Needed for Analysis	Preservative	Holding Time
Ammonia	350.1	4 oz. Glass Jar	1 g	Cool to 4° C	28 days
Amenable Cyanide	9012	4 oz. Glass Jar	2 g	Cool to 4° C	14 days
Ash / FOC	ASTM D 2974	4 oz. Glass Jar	20 g	Cool to 4° C	28 days
Bromide	300.0	4 oz. Glass Jar	10 g	Cool to 4° C	28 days
Chloride	300.0	4 oz. Glass Jar	10 g	Cool to 4° C	28 days
COD	from <i>Plumb</i>	4 oz. Glass Jar	1 g	Cool to 4° C	28 days
Corrosivity	9045	4 oz. Glass Jar	30 g	Cool to 4° C	ASAP
Cyanide	9012	4 oz. Glass Jar	1 g	Cool to 4° C	14 days
DRO	Modified 8015	4 oz. Glass Jar	50 g	Cool to 4° C	14 days
EOX	9023	4 oz. Glass Jar	1 g	Cool to 4° C	28 days
Flash Point	1010	4 oz. Glass Jar	100 g	Cool to 4° C	14 days
Fluoride	300.0	4 oz. Glass Jar	10 g	Cool to 4° C	28 days
Formaldehyde	AOAC 31.203	4 oz. Glass Jar	10 g	Cool to 4° C	28 days
GRO	Modified 8015	MeOH Kit/Encore	10 g	Cool to 4° C	14 days
Herbicides	8151	4 oz. Glass Jar	100 g	Cool to 4° C	14 days / 40 days
Hexavalent Chromium	3060 / 7196	4 oz. Glass Jar	2.5 g	Cool to 4° C	1 month / 7 days
Mercury	7471	4 oz. Glass Jar	1 g	Cool to 4° C	28 days
Metals	6010 / 6020 / 7000	4 oz. Glass Jar	1 g	Cool to 4° C	6 months
Nitrate	300.0	4 oz. Glass Jar	10 g	Cool to 4° C	48 hours
Nitrate-Nitrite	300.0	4 oz. Glass Jar	10 g	Cool to 4° C	48 hours
Nitrite	300.0	4 oz. Glass Jar	10 g	Cool to 4° C	48 hours
Oil & Grease	9071	4 oz. Glass Jar	50 g	Cool to 4° C	28 days
Orthophosphate	365.2	4 oz. Glass Jar	10 g	Cool to 4° C	48 hours
PAHs/PNAs	8270	4 oz. Glass Jar	30 g	Cool to 4° C	14 days / 40 days
Paint Filter	9095	4 oz. Glass Jar	100 g	Cool to 4° C	28 days
PCBs	8082	4 oz. Glass Jar	30 g	Cool to 4° C	14 days / 40 days

<b>Test Parameter</b>	<b>Method</b>	<b>Container</b>	<b>Min. Needed for Analysis</b>	<b>Preservative</b>	<b>Holding Time</b>
Percent Moisture	ASTM D 2974	4 oz. Glass Jar	5 g	Cool to 4° C	28 days
Percent Solid	ASTM D 2974	4 oz. Glass Jar	5 g	Cool to 4° C	28 days
Percent Water	Karl Fischer	4 oz. Glass Jar	1 g	Cool to 4° C	28 days
Pesticides	8081	4 oz. Glass Jar	30 g	Cool to 4° C	14 days / 40 days
pH	9045	4 oz. Glass Jar	30 g	Cool to 4° C	24 hours
Phenols	9066	4 oz. Glass Jar	1 g	Cool to 4° C	28 days
Phosphorus	6010	4 oz. Glass Jar	1 g	Cool to 4° C	6 months
Reactive Cyanide	SW-846 chapter 7	4 oz. Glass Jar	2 g	Cool to 4° C	14 days
Reactive Sulfide	SW-846 chapter 7	4 oz. Glass Jar	2 g	Cool to 4° C	14 days
Semivolatile Organics	8270	4 oz. Glass Jar	30 g	Cool to 4° C	14 days / 40 days
Specific Gravity	ASTM D 854	4 oz. Glass Jar	30 g	Cool to 4° C	28 days
Sulfate	300.0	4 oz. Glass Jar	10 g	Cool to 4° C	28 days
Sulfide	9030	4 oz. Glass Jar	1 g	Cool to 4° C	7 days
TCLP / SPLP	1311 / 1312	4 oz. Glass Jar	150 g	Cool to 4° C	14 days
TKN	351.2	4 oz. Glass Jar	1 g	Cool to 4° C	28 days
TOC	Walkley Black	4 oz. Glass Jar	2.5 g	Cool to 4° C	28 days
Total Inorganic Nitrogen	300.0 / 350.1	4 oz. Glass Jar	11 g	Cool to 4° C	48 hours
Total Nitrogen	300.0 / 351.2	4 oz. Glass Jar	11 g	Cool to 4° C	48 hours
Total Organic Nitrogen	350.1 / 351.2	4 oz. Glass Jar	2 g	Cool to 4° C	28 days
TPH	418.1	4 oz. Glass Jar	50 g	Cool to 4° C	28 days
Volatiles	8021/8260	MeOH Kit/Encore	10 g	Cool to 4° C	14 days