



**Organic Content Test  
ASTM D 2974-00 (Method C - 440 °C)**

CTL JOB NO.: \_\_\_\_\_ PROJECT: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CLIENT : \_\_\_\_\_ PROJECT NO.: \_\_\_\_\_ BY: RU

<b>Boring :</b>	SB-01	SB-01	SB-01	SB-02	SB-02	SB-02	SB-03	SB-03
<b>Sample :</b>								
<b>Depth (ft.):</b>	1-3.5	4-6	8-10	1.5-3.5	4-6	8-10	4-6	8-10
<b>Visual Description:</b>	Black Oil Soaked CLAY	Black Oil Soaked CLAY w/ organics	Black Oil Soaked CLAY w/ organics	Black Oil Soaked Organic CLAY	Dark Gray Oil Soaked CLAY w/ organics	Black Oil Soaked CLAY w/ organics	Dark Gray Oil Soaked CLAY w/ organics	Black Oil Soaked Organic CLAY
<b>Dish No.</b>								
<b>Dish wt., gm</b>	79.45	79.45	81.77	75.74	80.96	76.06	81.75	82.21
<b>Soil, Org, Dish &amp; H<sub>2</sub>O, gm</b>	205.64	204.04	194.72	204.01	221.16	196.54	186.94	191.81
<b>Oven Dry wt (105°C), gm</b>	120.48	129.49	127.58	126.15	134.41	124.04	120.39	127.81
<b>Furnace Dry wt. (440°C), gm</b>	118.53	126.62	123.51	115.26	130.57	117.70	116.56	116.32
<b>Moisture Content, % of Oven Dry Mass</b>	207.6	149.0	146.6	154.5	162.3	151.1	172.2	140.4
<b>Organic Matter, %</b>	4.8	5.7	8.9	21.6	7.2	13.2	9.9	25.2

**Note:** ASTM provides no guidelines for including information about the organic content of a sample in the description when the wet/dry liquid limit data is not available. CTL developed the following guidelines to fill this gap:

- 0-5%: The organics are either not mentioned or mentioned as being "trace".
- 5-15%: The soil is considered as inorganic and is classified, as per ASTM 2487, with "with organics" included in the description.
- 15-50%: The soil is considered as organic and is described, per ASTM 2487.
- > 50%: The soil is described as "Peat".