

# Organic Matter Analysis

## Day 1

1.) Place crucibles in drying oven (set at 55 degrees C) overnight.

## Day 2

2.) Remove crucibles from oven and place in dessicator for 1 hr (or more).

3.) Weigh crucibles (tare weight).

4.) Number crucibles.

5.) Fill crucibles approximately half way with soil (approximately 10g).

6.) Place filled crucibles in drying oven overnight.

## Day 3

7.) Remove crucibles from oven and place in dessicator for 2 hrs (or more).

8.) Weigh out filled crucibles (initial weight).

9.) Place crucibles in muffle furnace at 430 degrees for 4 hrs.

10.) Turn off muffle furnace and allow to cool no less than 100 degrees (approx. 1 hr).

11.) Place crucibles in dessicator overnight (use tongs).

## Day 4

12.) Weigh crucibles (final weight).

13.) Discard soil, clean crucibles and repeat step 1.