

Soil Particle Density

Data Sheet

Note: All measurements should be made without the stopper/cap!!

Date soil is mixed with water: year _____ month _____ day _____

Soil characterization site: _____

Horizon number: _____

How has the soil been stored since it came out of the oven? _____

Other comments: _____

	Sample Number		
	1	2	3
Mass of empty flask (g)			
Mass of soil + empty flask (g)			
Mass of water + soil + flask (g)			
Water Temperature (°C)			

Calculation Work Sheet

	Sample Number		
	1	2	3
A Mass of soil + empty flask (g)			
B Mass of empty flask (g)			
C Mass of soil (g) (A – B)			
D Mass of water + soil + flask (g)			
E Mass of water (D – A)			
F Water Temperature (°C)			
G Density of water (g/mL) (approximately 1.0)			
H Volume of water (mL) (E/G)			
I Volume of soil (mL) (100 mL – H)			
J Soil particle density (g/mL) (C/I)			