



Air Permeability ASTM D6539

CTL Job No: _____	Boring: _____	Date: <u>7/20/2015</u>
Client: _____	Sample: <u>46-B139-G01</u>	By: <u>PJ</u>
Project Name: _____	Depth, ft: <u>4.5-5'</u>	
Project No.: _____	Sample Type: <u>Undisturbed</u>	
Soil Description: <u>Olive Brown Clayey SAND</u>	Determined Gs: <u>2.655</u>	
Intrusions, if any: _____	Assumed Gs: _____	

Test Result	
Coefficient of Pneumatic Permeability, K_p	
milliDarcy	cm^2
1,104	1.1E-08

Test Parameters	
Test Gas:	Dry Air
Flow Orientation Relative to Bedding:	Perpendicular
Effective Confining Stress, psi	4.4

Comments: Confining stress based on initial wet density and the sample depth.

Specimen Parameters		
	Initial(As-Rcd)	Final(At Test)
Sample Height, in.	3.32	3.33
Sample Diameter, in.	2.42	2.43
Wet Wt of Soil, g	505.8	502.91
Moisture Content %	10.4	9.8
Wet Unit wt, pcf	126.0	124.6
Dry Unit wt, pcf	114.1	113.5
Dry Bulk Dens.(pb), g/cc	1.8	1.8
Saturation, %	61.05	56.48
Total Porosity, %	31.2	31.6
Air filled Poros., %	12.2	13.7
Water filled Poros., %	19.1	17.8
Void Ratio	0.45	0.46

