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Operator: yv
Submitter: ruby
File: C:\9500\DATA\F.SMP

LP Analysis Time: 27/11/2008 18:12:50
HP Analysis Time: 28/11/2008 11:22:04
Report Time: 18/12/2008 9:26:35

Sample Weight: 1.2200 g
Correction Type: None
Show Neg. Int: No

Summary Report

Penetrometer parameters

Penetrometer:	#s/n - (07) 5 Bulb, 0.392 Stem, Solid		
Pen. Constant:	10.790 $\mu\text{L/pF}$	Pen. Weight:	62.1900 g
Stem Volume:	0.3920 mL	Max. Head Pressure:	0.030682 MPa
Pen. Volume:	5.6100 mL	Assembly Weight:	131.1800 g

Hg Parameters

Adv. Contact Angle:	130.000 degrees	Rec. Contact Angle:	130.000 degrees
Hg Surface Tension:	485.000 dynes/cm	Hg Density:	13.5335 g/mL

User Parameters

Param 1:	0.000	Param 2:	0.000	Param 3:	0.000
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Low Pressure:

Evacuation Pressure:	100 μmHg
Evacuation Time:	5 mins
Mercury Filling Pressure:	0.0042 MPa
Equilibration Time:	20 secs

High Pressure:

Equilibration Time:	60 secs
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No Blank Correction

(From Pressure 0.0007 to 413.6854 MPa)

Intrusion Data Summary

Total Intrusion Volume =	0.2916 mL/g
Total Pore Area =	0.577 m^2/g
Median Pore Diameter (Volume) =	1.8934 μm
Median Pore Diameter (Area) =	1.4002 μm
Average Pore Diameter (4V/A) =	2.0209 μm
Apparent (skeletal) Density =	4.9450 g/mL
Porosity =	59.0468 %
Stem Volume Used =	91 % ****



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Tabular Report

Pressure (MPa)	Pore Diameter (μm)	Cumulative Pore Volume (mL/g)	dV/dD Pore Volume (mL/g/ μm)	dV/dlogD Pore Volume (mL/g)
0.0042	294.9528	0.0000	0.000×10^0	0.000×10^0
0.0090	138.4819	0.0059	3.740×10^{-5}	1.782×10^{-2}
0.0111	112.5009	0.0071	4.707×10^{-5}	1.355×10^{-2}
0.0129	96.4085	0.0081	6.253×10^{-5}	1.501×10^{-2}
0.0149	83.5365	0.0098	1.335×10^{-4}	2.761×10^{-2}
0.0172	72.3978	0.0119	1.890×10^{-4}	3.387×10^{-2}
0.0199	62.6319	0.0136	1.712×10^{-4}	2.657×10^{-2}
0.0231	54.0396	0.0169	3.820×10^{-4}	5.121×10^{-2}
0.0267	46.6824	0.0187	2.567×10^{-4}	2.971×10^{-2}
0.0311	40.0794	0.0208	3.165×10^{-4}	3.155×10^{-2}
0.0367	34.0092	0.0232	3.876×10^{-4}	3.299×10^{-2}
0.0427	29.1752	0.0269	7.622×10^{-4}	5.533×10^{-2}
0.0498	25.0596	0.0300	7.673×10^{-4}	4.782×10^{-2}
0.0579	21.5320	0.0335	9.918×10^{-4}	5.310×10^{-2}
0.0675	18.4849	0.0366	1.001×10^{-3}	4.602×10^{-2}
0.0788	15.8157	0.0397	1.177×10^{-3}	4.640×10^{-2}
0.0920	13.5605	0.0435	1.654×10^{-3}	5.584×10^{-2}
0.1074	11.6092	0.0473	1.960×10^{-3}	5.667×10^{-2}
0.1253	9.9531	0.0505	1.935×10^{-3}	4.794×10^{-2}
0.1471	8.4746	0.0557	3.560×10^{-3}	7.536×10^{-2}
0.1717	7.2622	0.0602	3.639×10^{-3}	6.580×10^{-2}
0.2002	6.2289	0.0651	4.764×10^{-3}	7.385×10^{-2}
0.2464	5.0615	0.0709	4.976×10^{-3}	6.445×10^{-2}
0.3204	3.8920	0.0820	9.470×10^{-3}	9.706×10^{-2}
0.4035	3.0902	0.0946	1.577×10^{-2}	1.262×10^{-1}
0.5214	2.3917	0.1145	2.844×10^{-2}	1.785×10^{-1}
0.6695	1.8625	0.1486	6.446×10^{-2}	3.141×10^{-1}
0.8553	1.4580	0.2017	1.314×10^{-1}	4.997×10^{-1}
1.0881	1.1460	0.2525	1.628×10^{-1}	4.857×10^{-1}
1.3940	0.8945	0.2886	1.436×10^{-1}	3.357×10^{-1}
1.7865	0.6980	0.2916	1.494×10^{-2}	2.725×10^{-2}
2.2760	0.5479	0.2916	0.000×10^0	0.000×10^0
2.9113	0.4283	0.2916	0.000×10^0	0.000×10^0
3.7234	0.3349	0.2916	0.000×10^0	0.000×10^0



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Tabular Report

Pressure (MPa)	Pore Diameter (μm)	Cumulative Pore Volume (mL/g)	dV/dD Pore Volume (mL/g/ μm)	dV/dlogD Pore Volume (mL/g)
4.7433	0.2629	0.2916	0.000×10^0	0.000×10^0
6.0596	0.2058	0.2916	0.000×10^0	0.000×10^0
7.7348	0.1612	0.2916	0.000×10^0	0.000×10^0
9.8740	0.1263	0.2916	0.000×10^0	0.000×10^0
12.6040	0.0989	0.2916	0.000×10^0	0.000×10^0
16.0877	0.0775	0.2916	0.000×10^0	0.000×10^0
20.5264	0.0608	0.2916	0.000×10^0	0.000×10^0
26.1919	0.0476	0.2916	0.000×10^0	0.000×10^0
33.4310	0.0373	0.2916	0.000×10^0	0.000×10^0
42.6599	0.0292	0.2916	0.000×10^0	0.000×10^0
54.4511	0.0229	0.2916	0.000×10^0	0.000×10^0
69.4872	0.0179	0.2916	0.000×10^0	0.000×10^0
88.6821	0.0141	0.2916	0.000×10^0	0.000×10^0
113.1780	0.0110	0.2916	0.000×10^0	0.000×10^0
144.4241	0.0086	0.2916	0.000×10^0	0.000×10^0
184.3283	0.0068	0.2916	0.000×10^0	0.000×10^0
219.9762	0.0057	0.2916	0.000×10^0	0.000×10^0
187.0226	0.0067	0.2872	4.377×10^0	6.202×10^{-2}
147.7347	0.0084	0.2872	0.000×10^0	0.000×10^0
116.6453	0.0107	0.2872	0.000×10^0	0.000×10^0
92.1015	0.0135	0.2872	0.000×10^0	0.000×10^0
72.7157	0.0171	0.2872	0.000×10^0	0.000×10^0
57.4174	0.0217	0.2872	0.000×10^0	0.000×10^0
45.3361	0.0275	0.2872	0.000×10^0	0.000×10^0
35.8207	0.0348	0.2872	0.000×10^0	0.000×10^0
28.2444	0.0442	0.2872	0.000×10^0	0.000×10^0
22.3309	0.0558	0.2872	0.000×10^0	0.000×10^0
17.6032	0.0708	0.2872	0.000×10^0	0.000×10^0
13.9190	0.0896	0.2872	0.000×10^0	0.000×10^0
10.9161	0.1142	0.2872	0.000×10^0	0.000×10^0
8.6266	0.1446	0.2872	0.000×10^0	0.000×10^0
6.8437	0.1822	0.2872	0.000×10^0	0.000×10^0
5.4142	0.2303	0.2872	0.000×10^0	0.000×10^0
4.2645	0.2924	0.2872	0.000×10^0	0.000×10^0



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Tabular Report

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3.3798	0.3690	0.2872	0.000×10^0	0.000×10^0
2.6633	0.4682	0.2872	0.000×10^0	0.000×10^0
2.1096	0.5911	0.2872	0.000×10^0	0.000×10^0
1.6684	0.7474	0.2872	0.000×10^0	0.000×10^0
1.3156	0.9479	0.2872	0.000×10^0	0.000×10^0
1.0398	1.1993	0.2872	0.000×10^0	0.000×10^0
0.8188	1.5229	0.2872	0.000×10^0	0.000×10^0
0.6530	1.9097	0.2871	3.143×10^{-4}	1.237×10^{-3}
0.5136	2.4281	0.2849	4.103×10^{-3}	2.039×10^{-2}
0.4098	3.0429	0.2811	6.290×10^{-3}	3.945×10^{-2}
0.3248	3.8394	0.2751	7.530×10^{-3}	5.940×10^{-2}
0.2608	4.7811	0.2667	8.901×10^{-3}	8.798×10^{-2}
0.3062	4.0725	0.2664	-3.774×10^{-4}	-3.838×10^{-3}
0.3973	3.1385	0.2677	1.393×10^{-3}	1.150×10^{-2}
0.4994	2.4971	0.2703	3.932×10^{-3}	2.540×10^{-2}
0.6345	1.9652	0.2744	7.746×10^{-3}	3.960×10^{-2}
0.8091	1.5413	0.2794	1.183×10^{-2}	4.754×10^{-2}
1.0226	1.2195	0.2833	1.218×10^{-2}	3.854×10^{-2}
1.2937	0.9639	0.2855	8.431×10^{-3}	2.110×10^{-2}
1.6455	0.7578	0.2866	5.483×10^{-3}	1.082×10^{-2}
2.0856	0.5979	0.2873	4.622×10^{-3}	7.181×10^{-3}
2.6491	0.4707	0.2879	4.655×10^{-3}	5.700×10^{-3}
3.3583	0.3713	0.2884	5.070×10^{-3}	4.892×10^{-3}
4.2504	0.2934	0.2889	5.405×10^{-3}	4.117×10^{-3}
5.3938	0.2312	0.2892	5.358×10^{-3}	3.221×10^{-3}
6.8240	0.1827	0.2895	5.845×10^{-3}	2.773×10^{-3}
8.6460	0.1442	0.2897	5.682×10^{-3}	2.129×10^{-3}
10.9586	0.1138	0.2899	5.525×10^{-3}	1.634×10^{-3}
13.8872	0.0898	0.2900	5.457×10^{-3}	1.273×10^{-3}
17.5865	0.0709	0.2901	0.000×10^0	0.000×10^0
22.2818	0.0560	0.2901	0.000×10^0	0.000×10^0
28.2163	0.0442	0.2901	0.000×10^0	0.000×10^0
35.7486	0.0349	0.2901	0.000×10^0	0.000×10^0
45.2866	0.0275	0.2901	0.000×10^0	0.000×10^0



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57.3695	0.0217	0.2901	0.000×10^0	0.000×10^0
72.6676	0.0172	0.2901	0.000×10^0	0.000×10^0
92.0548	0.0135	0.2901	0.000×10^0	0.000×10^0
116.6118	0.0107	0.2901	0.000×10^0	0.000×10^0
147.7059	0.0084	0.2901	0.000×10^0	0.000×10^0
187.1236	0.0067	0.2901	0.000×10^0	0.000×10^0
219.9815	0.0057	0.2901	0.000×10^0	0.000×10^0



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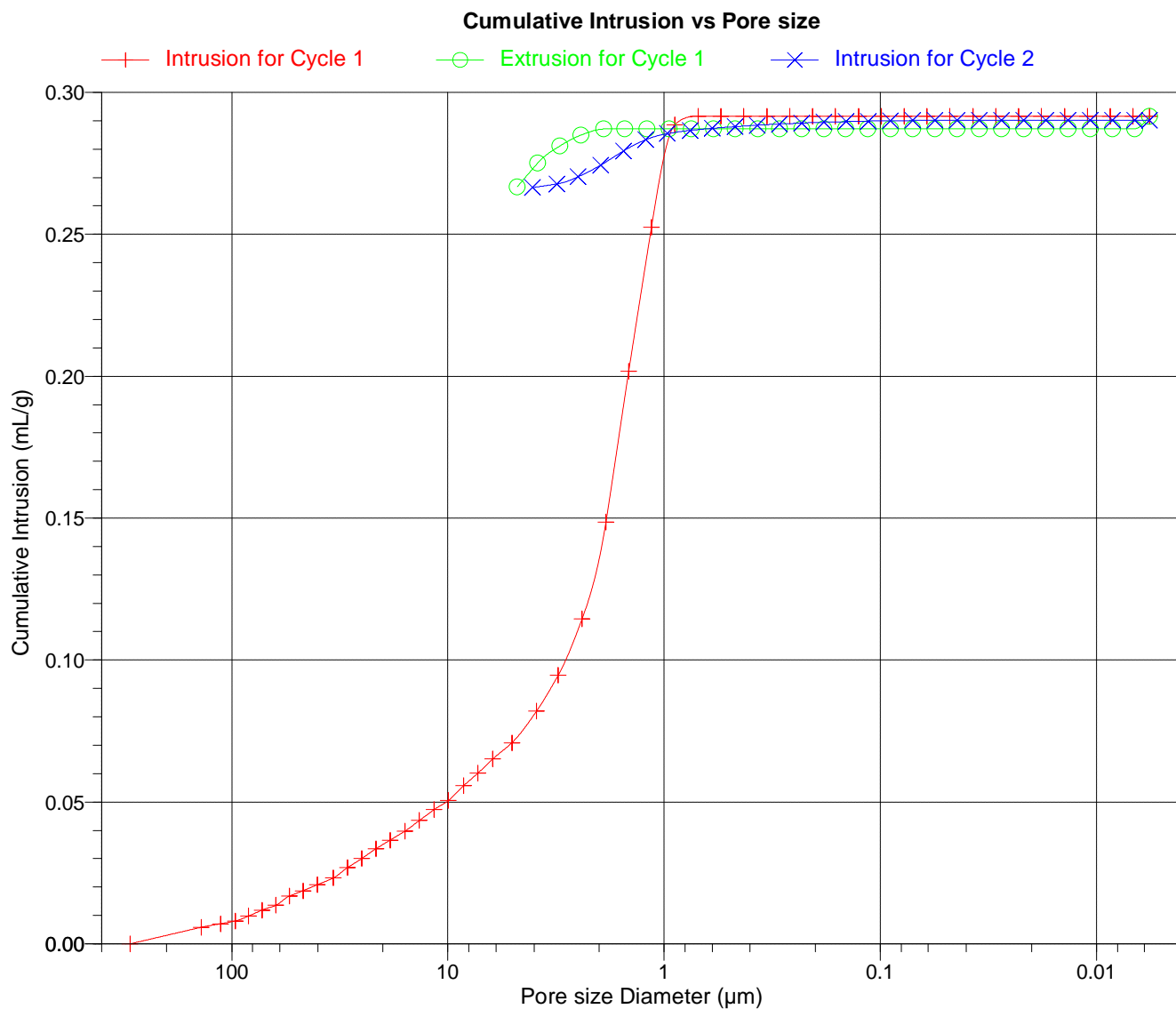
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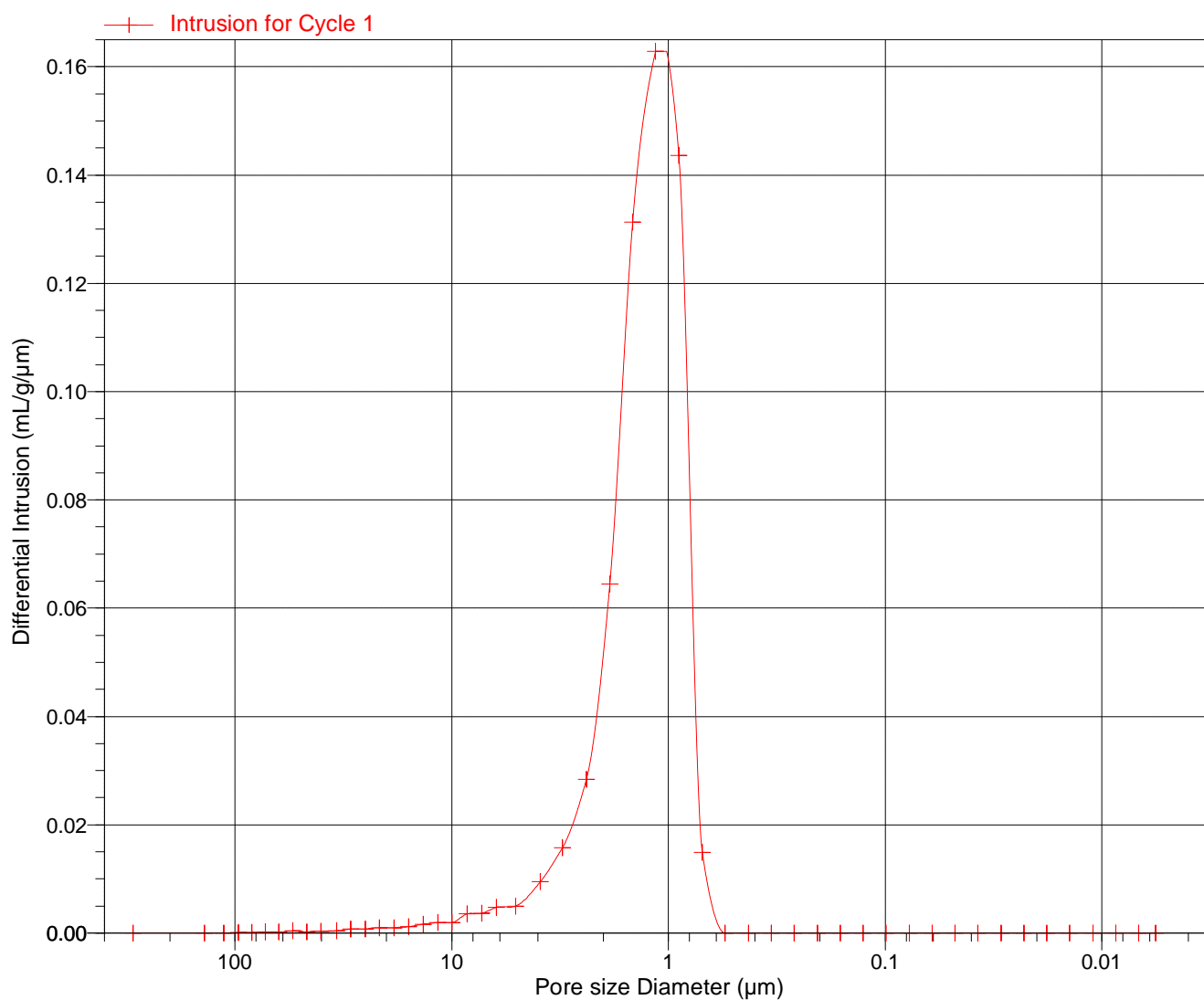
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Differential Intrusion vs Pore size





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Log Differential Intrusion vs Pore size

