MAD (Moisture and Density) Logsheet - *Balance and pycnometer measurements*

Sept. 15, 2021

(1)

Exp. 396 **Site/Hole** U1572B

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm^3	Pycnomet. cell #	Comments
1H2	108/110	cyl 11197701	29368	17.348	10,053	3,687	1	1.582 68% 2.744
1H4	100/102	cyl 11197711	29369	17.263	8962	3,179	2	1.508 73% 2.846
2H1	111/113	cyl 1119 9921	29370	14.733	9,287	3,551	3	1.679 63% 2.786
2H4	30/32	cyl 1119 9931	29371	9.584	5,448	1,923	5	1.586 69% 2.855
2H6	98/100	cyl 1119 9941	29372	17.455	12,921	4,739	1	1.886 50% 2.735
3H6	50/52	cyl 1120 1051	29373	12.177	11 6,887	2,472	2	1.573 69% 2.807
3H2	88/90	cyl. 1120 1041	29374	17.654	11,672	4,713	3	1.655 57% 2.982
4H1	46/48	11202051	29375	14,827	8,802	3,233	4	1.606 66% 2.738
4H3	48	11202061	29376	17,862	12,924 ~~11,527~~	4,737	6	1.850 52% 2.737
4H6	42	11202071 ~~11203351~~	29377	16,686	11,527	4,516	1	1.729 54% 2.559
5H3	66	11203351	29383	18,800	10,7~~85~~ 49	3,853	2	1.779 58% 2.802
5H4	57	11203361	29384	15,48	11,775	4,322	3	1.940 46% 2.732

Sept 16, 2021 (2)

MAD (Moisture and Density) Logsheet - *Balance and pycnometer measurements*

Exp. 346 **Site/Hole** U1423

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm^3	Pycnomet. cell #	Comments
5H7	43	11203371	29385	16,785	11,359	4,246	4	1.739 57% 2.685
6H1	116	11204061	29379	15,591	11,934	4,328	5	1.956 46% 2.765
6H3	72	11204071	29380	17,080	11,160	4,120	6	1.709 60% 2.720
6H6	131	11204091	29381	17,108	13,161	4,963	1	1.924 45% 2.668
6H5	74	11204081	29382	17,194	11,723	4,643	2	1.704 55% 2.531

MAD (Moisture and Density) Logsheet - *Balance and pycnometer measurements*

Sept. 16, 21 (3)

Exp. 396 **Site/Hole** 1572B

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm^3	Pycnomet. cell #	Comments
7H6	56/58	cyl 1120507	29393	16.62	10.720	4.343	1	1.627 58% 2.474
7H1	87	1120504	29378	15,072	10.343	3.846	4	1.762 56% 2.699
7H3	23	1120506	29391	18,762	14.176	5.404	3	1.881 47% 2.629
7H2	25	1120505	29392	16,820	10.711	3.898	5	1.734 59% 2.76
8H3	60	1120511	29388	12,092	9.066	3.375	6	1.893 48% 2.693
8H5	67	1120513	29384	11,850	7.604	3.493	2	1.535 56% 2.176
8H1	86	1120510	29390	11,670	7.151	3.388	5	1.479 58% 2.108
9H3	75	1120559	29386	11,710	6.391	3.408	4	1.345 62% 1.866
9H6	72	1120551	29387	10,353	4.987	1.79	3	1.452 76% 2.815
10H2	60	cyl 1120609	29400	9.785	4.916	1.798	4	1.472 74% 2.758
10H5	69	cyl 1120607	29401	10.769	5.523	2.071	6	1.476 73% 2.686
11H2	126/128	cyl 1120632	29398	10.742	5.278	1.958	1	1.452 75% 2.718
11H4	82/84	cyl 1120633	29399	11.111	5.591	2.089	2	1.465 74% 2.697

MAD (Moisture and Density) Logsheet - *Balance and pycnometer measurements*

Sept. 16, 21 (4)

Exp. 396 **Site/Hole** 1572B

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm^3	Pycnomet. cell #	Comments
12H1	70	cyl 11206341	29396	12.946	5.982	2.269	5	brownish clay 1.407 77% 2.658
12H7	31/33	cyl 11206351	29394	8.827	3.80	1.489	6	dark brown clay 1.395 78% 2.571
13H1	118/120	cyl 11206401	29395	12.088	5.145	2.071	1	1.346 78% 2.500
13H4	20/22	cyl 11206411	29397	11.643	4.684	1.876	1	1.322 80% 2.515
14H1	112/114	cyl 11206491	28974	11.585	4.792	1.896	2	1.338 79% 2.547
14H5	17/19	cyl 11206521	28977	12.303	6.936	2.648	4	1.539 68% 2.633
14H7	28/30	cyl 11206511	28976	9.468	3.592	1.414	5	1.303 82% 2.564
14H4	59/61	cyl 11206501	28975	8.413	3.384	1.264	5	1.342 81% 2.709
15H4	40/42	cyl 11206541	28973	10.202	5.648	2.298	6	1.493 67% 2.465
15H6	61/63	cyl 11206551	28972	12.780	6.077	2.490	6	1.395 74% 2.451
16H6	106	11206761	28970	10.018	5.137	1.970	1	1.467 72% 2.624
16H5	97	11206741	28971	6.545	2.859	1.149	2	1.358 77% 2.503
16H2	73	11206751	28978	9.854	3.869		3	1.311 79% 2.421

MAD (Moisture and Density) Logsheet - *Balance and pycnometer measurements*

September 17 (3)

Exp. 396 **Site/Hole** 1572B and 1572A

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm³	Pycnomet. cell #	Comments (Method C for cubes; Method D=for cubes only - preferred; if only one value = method C) Pbulk	porosity	Pgrain
17F2	65	11206831	28979	6.649	2.959	1.148	1	1.379	77%	2.597
18F1	67	11206834	28980	10.437	5.622	2.153	3	1.502	70%	2.626
18F3	63	11206851	28981	9.391	4.420	1.783	4	1.395	75%	2.491
20F2	76	11206901	28983	4.602	4.718	1.906	5	1.419	73%	2.486
19F2	36	11206891	28982	8.111	2.710	1.268	6	1.221	82%	2.131
20F4	27	11206911	28984	6.731	2.169	0.919	4	1.233	85%	2.373
21F2	57	11207041	28992	10.274	3.112	1.399	3	1.204	85%	2.225
22F2	84	11207051	28993	8.408	2.676	1.192	2	1.219	84%	2.247
46R2	37	11198881	0	22.864	22.476	7.572	6	2.873 2.928	5% 5%	2.969 3.028
36R1	99	11195161	0	21.237	20.234	6.748	4	2.741 2.74	13% 13%	3.000 2.999
38R4	58	11195931	0	21.080	19.955	6.601	3	2.730 2.639	15% 19%	3.025 3.023
39R4	33	11196551	0	22.011	21.233	7.036	2	2.818 2.806	10% 11%	3.019 3.018

PMAG cubes 1157 2A → 1157 2B

1157 2A

MAD (Moisture and Density) Logsheet - *Balance and pycnometer measurements*

September 17

(6)

Exp. 396 **Site/Hole** 1572B

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm^3	Pycnomet. cell #	Comments
30X2	38/40	cube 11209041	0	21.164	20.03	6.764	6	cube, Not soaked C: 2.681 15% 2.963
23F2	67	11207171	28985	9,341	4.667	1.820	4	1.443 73% 2.579
23F2	61	11207171	28991	9,869	5.821	2.255	1	1.570 65% 2.592
25F2	91	11207271	28990	8.752	3.967	1.559	6	1.384 77% 2.562
26F2	93	11207281	28989	9.881	4.737	1.867	4	1.414 74% 2.559
27F2	63/65	cyl 11207291	28987	10.229	4.951	1.91	5	1.428 75% 2.610
27F3	74/76	cyl 11207301	28988	9.005	3.227	1.439	3	1.252 81% 2.244
28F2	66/68	cyl 11207311	28986	10.374	5.491	2.046	2	1.502 72% 2.703
29F2	76	Cyl 11207371	29000	9.132 ~~9.374~~	3.955	1.477	5	1.377 79% 2.706
30X1	3	Cyl 11207391	29001	5.793	3.452	1.238	3	1.623 68% 2.806
33Xcc	5/7	cyl 11207491	28999	6.343	6.178	2.016	1	dense siltstone, poorly located 2.909 8% 3.066
33Xcc	51/53	wedge 11208751	28994	6.963	5.149	1.727	3	black/sh weathered/altered igneous 1.971 52% 2.995
32X1	107/109	wedge 11208741	28995	9.942	7.219	2.455	4	1.924 53% 2.954
32X1	11/13	wedge 11208731	29009	7.284	5.456	1.837	5	1.992 57% 2.982