

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

MINICORES

Exp. 396

WRTE ONLY

Site/Hole U1566 A

Aug. 19, 2021

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Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm ³	Pycnomet. Cell #	caliper measurements (average of 3 for each)
12R2	74/76	MILL	0	58.265	57.274	21.945	5	d = 25.17 mm H = 46.63 mm P = 2.51 g/cc
12R3	7/9	MILL	0	49.387	47.354	17.806	5	d = 25.11 H = 41.34 P = 2.41 g/cc
12R4	6/8	MILL	0	58.856	57.678	21.600	5	d = 25.16 H = 46.86 P = 2.53 g/cc
12R4	91/93	MILL	0	56.667	55.155	20.601	5	d = 25.16 H = 45.06 P = 2.53 g/cc
12R4	135/137	MILL	0	62.893	62.013	22.626	5	d = 25.19 H = 47.09 P = 2.68 g/cc
17R3	19/21	MILL	0	42.826 42.785	37.499	16.167	5	d = 25.03 H = 42.79 P = 1.95 g/cc remasured weight 42.826
15R2	28/30	MILL	0	48.449	44.632	16.768	5	d = 25.14 H = 44.32 P = 2.20 g/cc vesicular
15R2	49/51	MILL	0	61.715	60.128	21.935	5	d = 24.48 H = 48.06 P = 2.73 g/cc
16R3	32/34	MILL	0	44.81	40.865			d = 25.15 H = 45.03 P = 2.00 g/cc altered
17R3	72/74	MILL	0	39.728				d = 25.22 H = 39.93 P = 1.99 g/cc altered
16R3	13/15	MILL	0	41.327	37.932	16.6058	5	d = 25.04 H = 41.77 P = 2.01 g/cc
19R3	104/106	MILL	0	51.525	47.525	18.015	5	d = 25.24 H = 45.96 P = 2.24 g/cc
19R3	92/94	MILL	0	44.04	37.403	15.760	5	d = 25.18 H = 45.14 P = 1.96 g/cc

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samples drilled ~ 17:00 hrs 8/22 U1566A Site/Hole

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Core/Section,	Offset	Text ID example: SHLF 3215071	Container #	Mass Wet (g)	Mass dry (g) Avg. 25 measured ~ 30000 of 100	Sample volume cm ³	Pycnomet. cell #	Comments
28R1	$\frac{140}{142}$	CYL 11075931	0	49.984	48.557	18.2097		(mm) wet p d = 25.08 H = 46.13 1.97 g/cc altered
28R2	$\frac{17}{19}$	CYL 11075941	0	46.216	46.957	17.827		d = 25.03 H = 44.28 2.12 g/cc Sandstone
28R2	$\frac{28}{30}$	CYL 11075951	0	45.085				d = 24.97 H = 44.23 2.08 g/cc
33R1	$\frac{63}{65}$	CYL 11076001	0	42.522	wrapped 40.133			d = 25.12 H = 42.05 extremely fragile, wrapped wrapping removed for measurement re-wrapped 2.04
33R2	$\frac{6}{8}$	CYL 11075981	0	46.125	44.520	16.32676	5	d = 25.03 H = 44.55 2.10
33R2	$\frac{77}{79}$	CYL 11075991	0	45.085	42.386	21.66	5	V = 21.66 cm ³ was measured before? 2.08
32R3	$\frac{14}{16}$	CYL 11075961	0	46.872	(30200: 43288) 44.342	16.442	5	d = 25.05 H = 45.21 2.10
32R3	$\frac{64}{66}$	CYL 11075971	0	57.224	54.850	20.891	5	d = 25.23 H = 48.92 2.34
28R2	$\frac{28}{30}$	11075951	0	not measured	43.699	16.435	5	
7R2	$\frac{55}{57}$	11060161	0	46.536				
7R3	$\frac{8}{10}$	11060171	0	60.837				
7R2	$\frac{13}{15}$	11060151	0	56.871	55.357			

September 09, 21

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Site/Hole U1571 A

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Core/Section,	Offset	Text ID example: SHLF 3215071	Container #	Mass Wet (g)	Mass dry (g)	Sample volume cm ³	Pycnometer cell #	d = diameter, mm H = height, mm Wet density, g/cm ³ Comments	average of 3 measurements
19R1	$\frac{8}{10}$	cyl 11155611	0	47.959 48.761	45.184			d = 25.09 H = 45.21 2.15	
19R1	$\frac{89}{91}$	cyl 11155631	0	57.909	56.026			d = 25.25 H = 45.02 2.67	
22R1	$\frac{88}{90}$	cyl 111556701	0	64.109	63.126			d = 25.21 H = 47.80 2.70	
24R1	$\frac{27}{29}$	cyl 111559231	0	43.382	40.148			d = 25.24 H = 39.97 2.17	
24R1	$\frac{51}{53}$	cyl 11159241	0	55.921	53.847			d = 25.21 H = 45.95 2.44	
24R1	$\frac{75}{77}$	cyl 11159251	0	53.766	50.075			d = 25.25 H = 46.40 2.31	
24R1	$\frac{122}{124}$	cyl 11159261	0	57.812	56.237			d = 25.22 H = 44.77 2.58	
25R3	$\frac{32}{34}$	cyl 1116021	0	38.06				d = 25.15 H = 39.85 1.92	
25R3	$\frac{106}{108}$	cyl 11160741	0	49.188	44.161			d = 25.16 H = 45.24 2.19	
25R3	$\frac{139}{141}$	cyl 11160251	0	44.324	39.852			d = 25.17 H = 42.68 2.09	
26R2	$\frac{24}{26}$	cyl 11160621	0	48.395	44.395			d = 25.18 H = 44.26 2.20	
26R2	$\frac{37}{39}$	cyl 11160631	0	48.071	44.579			d = 25.19 H = 44.34 2.18	
27R3	$\frac{105}{107}$	cyl 11162601	0	65.971	65.524			d = 25.27 H = 47.82 2.75	
30R2	$\frac{49}{51}$	cyl 11163981	0	55.519	54.189			d = 25.22 H = 46.11 2.76	

drying since Sept. 10, 00:00 | drying since Sept. 10, 00:00

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Site/Hole 1571A

September 09, 2021

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Sept. 13, 2021

drying since Sept. 10, 16:00

Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm ³	Pycnomet. cell #	Comments
34R2	48	wyl 11164481	0	53.915	50.900			d = 25.18 H = 43.8 2.47 wet bulb density, g/cc
35R1	80	wyl 11164511	0	57.136	55.166			d = 25.18 H = 44.51 2.58
35R1	137	wyl 11164501	0	52.820	51.157			d = 25.16 H = 41.46 2.56
35R2	55	wyl 11164521	0	53.273	49.350			d = 25.15 H = 45.92 2.34
35R2	67	wyl 11164531	0	55.282	52.410			d = 25.14 H = 44.55 2.50
37R1	71	11165051	0	63.454 71.220	62.796			
37R1	23	11165041	0	57.366	53.696			
37R1	12	11165031	0	44.085	41.034			
24R4	$\frac{10}{12}$	wyl 11182211	0	65.846	65.637			??
25R4	$\frac{21}{23}$	wyl 11182201	0	53.999	63.524			?? Dry Mass 10g known... wet 63.999 3 x Samples fixed by Tim - 10g added to wet.
26R2	$\frac{24}{26}$	wyl 11182181	0	53.993	63.419			?? Wet 63.993 Tim - 10g added to wet.
26R3	$\frac{126}{128}$	wyl 11182191	0	52.863	60.371			?? Wet 62.863 Wrong weight during measurement of Sam?
27R3	$\frac{24}{26}$	wyl 11183201	0	32.368	31.932			Correct

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

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Core/Section,	Offset	Text ID example: SHLF 3215071	container #	Mass Wet (g)	Mass dry (g)	Sample volume cm ³	Pycnomet. cell #	Comments
39R1	$\frac{11}{13}$	cyl 11190851	0	59.358	57.584	19.756	5	
39R1	$\frac{34}{36}$	cyl 11190861	0	58.275	56.726			
42R3	$\frac{37}{39}$	cyl 11191071	0	54.732				
42R3	$\frac{64}{66}$	cyl 11191081	0	63.325	61.350			
44R4	$\frac{31}{33}$	cyl 11191091	0	56.978				
28R3	$\frac{9}{11}$	cyl 11223161	0	58.175				
27R4	$\frac{19}{21}$	cyl 11223151	0	59.845				

air drying since 16:30 Sept. 16
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 air drying since Sept. 29