



CH2MHILL

PROJECT NUMBER

177556.SA.FE

BORING NUMBER

MW-177

SHEET 1 of 3

SOIL BORING LOG

PROJECT : Memphis Depot Remedial Investigation Plan LOCATION : Memphis, TN

ELEVATION:

DRILLING CONTRACTOR : Prosonic Corporation

NAME OF DRILLER : Adam Marshall

DRILLING METHOD/EQUIPMENT : Rotasonic Drilling

SIZE/TYPE OF BIT : 4 X 6"

OVERBURDEN THICKNESS : DEPTH DRILLED INTO ROCK : N/A

TOTAL DEPTH OF BORING : 96 ft-bgs

WATER LEVELS : START : 10/25/2005 END : 10/25/2005

LOGGER : Mike Karafa/ATL

DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS
SAMPLE INTERVAL (FT)				PENETRATION	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. FID (ppm)
RECOVERY (FT)				TEST RESULTS		
#/TYPE				6"-6"-6" (N)		
0-16	100%	N/A	N/A	N/A	0-1: SAND/SILT, grass roots 1-12: SILT, brown, loose, dry 12-25.5: SILT, brown, stiff, damp	1.5 1.4 0.4
16-26	100%	N/A	N/A	N/A	25.5-27: SILTY SAND, red, stiff, fine grain, damp	5.2
26-36	100%	N/A	N/A	N/A	27-35: SILTY SAND, red, loose, fine grain, damp	2.1



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RECOVERY (FT)				TEST RESULTS		
#/TYPE				6"-6"-6" (N)		
35	26-36	100%	N/A	N/A	35-41: SAND, orange, loose, fine grain, damp	1.4
40	36-46	100%	N/A	N/A	41-43: SAND, tan, fine grain, loose, damp, gravel up to 1/2", chert 43-45: SAND, orange, fine to medium grain, loose, damp, gravel up to 3/4", chert 45-49: SAND, tan, fine to medium grain, loose, damp, gravel up to 1/2", subangular, chert	2.2 1.6 1.1 2.1
45	46-56	100%	N/A	N/A	49-58: SAND, tan, fine grain, loose, dry	1.4 1.1 1.7
55	56-66	100%	N/A	N/A	58-60: GRAVELLY SAND, orange, fine to coarse grain, loose, damp, pea-sized gravel, up to 1", chert 60-63: SAND, tan, fine to coarse grain, loose, damp, gravel up to 1", chert, subrounded 63-65: SAND, orange, fine to medium grain, loose, dry, gravel up to 1.5", chert, subrounded 65-66: SAND, orangish tan, loose, fine grain, gravel up to 1/2"	18.1 3.1 0.0 4.2



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	SAMPLE INTERVAL (FT)					
	RECOVERY (FT)	#/TYPE				
66-76	100%	N/A	N/A	66-76: SAND, orange, loose, fine grain, dry to damp	2.6 3.7 11.1 6.3 6.8 2.9 9.5 0.0	
76-86	100%	N/A	N/A	76-81: SAND, tan and orange, fine to medium grain, loose, wet 81-83: SAND, tan, course grain, wet, loose 83-85: SAND, orange, fine to course grain, loose, wet 84: (SANDY CLAY lense, tan, sticky, damp) 85-89: SILTY CLAY, orange, stiff, damp	0.0 0.0 0.0	
86-96	100%	N/A	N/A	89-96: SILTY CLAY, dark gray, v. stiff, damp	0.0	
TD @ 96' BGS						

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