



CH2MHILL

PROJECT NUMBER

177556.SA.FE

BORING NUMBER

SB-4

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 : 11/02/2005 END : 11/02/2005 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	50%	N/A	N/A	N/A	0-1: SILT, grass roots, brown 1-4: SILT, brown, loose, dry 4-28.5: SILT, brown, stiff, damp, loess	0.0 0.0 0.0
16-26	100%	N/A	N/A	N/A		



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DEPTH BELOW SURFACE (FT)	DEPTH BELOW SURFACE (FT)			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
	SAMPLE INTERVAL (FT)				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)	#/TYPE				
35	26-36	100%	N/A	N/A		
						3.2
40					39-41: SAND, orange, loose, fine to medium grain, damp	0.0
	36-46	100%	N/A	N/A	41-43: GRAVELLY SAND, loose, reddish brown, damp, fine grain, some silt, gravel up to 3/4", subrounded, broken	0.0
					43-46: SAND, orange, fine grain, loose, damp, gravel up to 2", subrounded, chert	0.0
45					46-54: SAND, tan, loose, dry, fine grain, gravel pebbles up to 1/2", chert	0.0
						1.2
50	46-56	100%	N/A	N/A		2.2
						0.0
55					54-57: SAND, tan, fine to coarse grain, loose, damp, gravel up to 1.5", subrounded, chert	0.0



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RECOVERY (FT)				TEST RESULTS		
#/TYPE				6"-6"-6" (N)		
70	66-76	100%	N/A	N/A	66-69: SAND, dark tan, loose, fine grain, pea-size gravel	0.0
					69-72: SAND, orange, fine grain, loose, damp	0.0
					71.5: (3" CLAY lense, orangish tan, sticky to stiff, damp)	0.0
					72-75: SAND, tan, fine to medium grain, damp, pea-size gravel	0.0
75					75-76: SAND, orange, fine grain, loose, damp	0.0
					76-78: SAND, orange, fine to coarse grain, loose, wet	0.0
					78-79: SILTY GRAVELLY SAND, orange, loose to sticky, saturated	0.0
80	76-86	100%	N/A	N/A	79-86: SILTY CLAY, orange w/ light gray mottles, stiff, damp	0.0
85						
90					86-96: SILTY CLAY, dark gray, damp, stiff	0.0