



CH2MHILL

PROJECT NUMBER

177556.SA.FE

BORING NUMBER

SB-2

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: Rotosonic Drilling

SIZE/TYPE OF BIT : 4 X 6"

OVERBURDEN THICKNESS : DEPTH DRILLED INTO ROCK : N/A

TOTAL DEPTH OF BORING : 86 ft-bgs

WATER LEVELS : START : 10/27/2005 END : 10/27/2005

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	0-2: SILT, grass roots, brown 2-27: SILT, brown, stiff, damp, loess	0.0 0.0
16-26	100%	N/A	N/A	N/A		

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DEPTH BELOW SURFACE (FT)			STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION		COMMENTS		
SAMPLE INTERVAL (FT)			RECOVERY (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)		
			#/TYPE						
			6"-6"-6" (N)						
35	26-36	100%	N/A	N/A	34-38: SAND, orange, fine grain, loose, damp, pea-size gravel		0.0		
40	36-46	100%	N/A	N/A	38-39: SANDY CLAY, reddish brown, sticky, fine to medium grain		0.0		
					39-47: SAND, tan, fine to medium grain, loose, damp, pea-sized gravel		0.0		
45	46-56	100%	N/A	N/A	47-48: SILTY SAND, tan, fine to medium grain, wet, chert up to 1/2"		0.0		
					48-53: GRAVELLY SAND, tan, fine to coarse grain, loose, damp, gravel up to 1"		0.0		
55					53-54: SAND, tan, fine to coarse grain, loose, damp, pea-size gravel		0.0		
					54-56: SAND, orangish tan, fine grain, loose, damp, 1/2" chert		0.0		
					54.5: (1" CLAY lense, tan, sticky, damp)				
					56-62: SAME AS ABOVE, fine to medium grain, no clay lenses		0.0		

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RECOVERY (FT)				TEST RESULTS					
#/TYPE				6"-6"-6" (N)					
70	66-76	100%	N/A	N/A	66-73: SAND, orangish tan, fine to medium grain, loose, damp to wet, pea-size chert gravel 73-74: SILTY SAND, loose to sticky, orange, saturated 74-82: SILTY CLAY, orange, stiff, damp		0.0 0.0 0.0		
80	76-86	100%	N/A	N/A	82-86: SILTY CLAY, dark gray, stiff, damp		0.0		
85									TD @ 86' BGS