



CH2MHILL

PROJECT NUMBER

177556.SA.FE

BORING NUMBER

SB-3

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 : 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	0-1: SILT, brown, grass, loose 1-27: SILT, brown, stiff, damp	0.0 0.0
16-26	100%	N/A	N/A	N/A		



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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 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				
40	36-46	100%	N/A	N/A			40-46: SAND, orangish tan, fine grain, damp to dry, loose, some gravel up to 1"	0.0
45							46-49: SAND, orange, some silt, loose, gravel up to 1/4", damp	0.0
50	46-56	100%	N/A	N/A			49-50: SAND, gray, v. fine, dry 50-55: GRAVELLY SAND, orangish tan, fine to medium grain, loose, pea-size to 1" gravel, chert	0.0 0.0
55							55-56: SAND, orange, fine grain, loose, damp	0.0
					56-61: SAND, orangish tan, fine to medium grain, loose, damp to wet. gravel up to 1.5". chert. subrounded	0.0		

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				SOIL BORING LOG					
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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	
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SAMPLE INTERVAL (FT)		RECOVERY (FT)		TEST RESULTS		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)					
70	66-76	100%	N/A	N/A	66-75: SAND, orange, fine to medium grain, loose, wet to saturated	0.0			
75					75-77: SILTY SAND, orange, loose, fine to medium grain, saturated	0.0			
					77-84: SILTY CLAY, orange w/ gray mottles, stiff, damp	0.0			
80	76-86	100%	N/A	N/A					
85					84-86: SILTY CLAY, dark gray, v. stiff, damp	0.0			
								TD @ 86' BGS	