



CH2MHILL

PROJECT NUMBER

177556.SA.FE

BORING NUMBER

SB-1

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 : 10/27/2005 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)		
5	0-16	50%	N/A	N/A	0-22: SILT, brown, loess, damp	0.0
10						
15						
20	16-26	100%	N/A	N/A	22-25: SILTY SAND, brown w/ gray mottles, damp, sticky	0.0

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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 : 96 ft-bgs

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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)		
35	26-36	100%	N/A	N/A	33-38: SAND, tan, fine grain, loose, damp	0.0
40	36-46	100%	N/A	N/A	38-40: SAND, orangish tan, fine grain, loose, damp, pea-size chert 40-43: GRAVELLY SAND, tan, fine to medium grain, loose, dry, pea-sized gravel to cobbles up to 3-4", chert 43-46: SAND, orange, loose, fine to medium grain, chert up to 1"	0.0 0.0 0.0
45	46-56	100%	N/A	N/A	46-51: SAND, tan, fine to coarse grain, loose, damp, pea-size to 1/2" chert 51-59: SAND, orange, fine to medium grain, loose, damp	0.0 0.0
55						0.8



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RECOVERY (FT)				TEST RESULTS		
#/TYPE				6"-6"-6" (N)		
70	66-76	100%	N/A	N/A	66-69: SAND, orange, fine to course grain, wet, loose 69-71: SILTY SAND W/ SOME CLAY, orange, loose to sticky, fine to course grain, wet 71-76: SILTY CLAY, orange, stiff, damp, w/ gray silty mottling	0.0 0.0 0.0
75						
80	76-86	100%	N/A	N/A	76-96: SILTY CLAY, dark gray, stiff, damp	0.0
85						
90						