



177556.SA.FE

MW-179

SHEET 1 of 3

SOIL BORING LOG

ELEVATION:

NAME OF DRILLER : Adam Marshall

SIZE/TYPE OF BIT : 4 X 6"

TOTAL DEPTH OF BORING : 96 ft-bqs

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			
					0-2: SOIL SAND, grass, roots	0.0
					2-3: SILT, brown, loose, dry	0.0
					3-29: SILT, brown, stiff, damp	0.1
5						
	0-16	100%	N/A	N/A		
10						0.6
15						
						1.1
20						
	16-26	100%	N/A	N/A		3.3
25						
30						
	26-36	100%	N/A	N/A	29-32: SILTY SAND, reddish orange, fine grain, stiff, tan and orange, sand mottles	0.2
						0.4
					32-41: SILTY SAND, fine grain, reddish orange, stiff, damp, some gravel	0.1

**CH2MHILL**

PROJECT NUMBER

177556.SA.FE

BORING NUMBER

MW-179

SHEET 2 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 : 96 ft-bgs

WATER LEVELS : START : 10/14/2005 END : 10/14/2005

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)		
35	26-36	100%	N/A	N/A		
40	36-46	100%	N/A	N/A		1.0
45					41-45: SAND, reddish orange, loose, fine to medium grain, pea-sized gravel, chert	
					45-51: SAME AS ABOVE, no gravel	2.5
50	46-56	100%	N/A	N/A	51-58: SAND, orange, fine grain, loose, damp to dry	0.0
55						0.3
60	56-66	100%	N/A	N/A	58-61: GRAVELLY SAND, fine to course grain, loose, damp, gravel pea-sized to 3"	3.5
					61-65: GRAVELLY SAND, tan, loose, fine to course grain, damp to wet, chert up to 1"	0.8
65						3.2
					65-73: SAND, tan, fine grain, damp, loose	1.8



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ELEVATION:

DRILLING CONTRACTOR : Prosonic Corporation

NAME OF DRILLER : Adam Marshall

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WATER LEVELS : START : 10/14/2005 END : 10/14/2005

LOGGER : Mike Karafa/ATL

DEPTH BELOW SURFACE (FT)		STANDARD		SOIL DESCRIPTION		COMMENTS
	SAMPLE INTERVAL (FT)	RECOVERY (FT)	#/TYPE	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)
				TEST RESULTS		
				6"-6"-6" (N)		
70	66-76	100%	N/A	N/A	73-73.5: SAND, orange, fine to medium grain, loose, damp 73.5-74.5: SAND, tan, fine grain, loose, damp 74.5-81: SAND, orangish tan, fine to course grain, loose, wet	0.0 1.7 0.5
80	76-86	100%	N/A	N/A	81-84.5: SAND, orangish tan, fine to course grain, loose, damp, gravel up to 1"	0.5
85					84.5-86: 3" orange SILTY CLAY lense then SAND, orangish tan, loose, very course, saturated	0.7
					86-87: SILT and cobbles @ 86'	0.0
					87-91: SILTY CLAY, orange/gray, mottles, stiff	0.0
90	86-96	100%	N/A	N/A	91-96: SILTY CLAY, stiff, dark gray, massive	0.0
95						

TD @ 96' BGS