



CH2MHILL

PROJECT NUMBER

177556.SA.FE

BORING NUMBER

MW-173

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 : 10/10/2005		END : 10/11/2005	
					LOGGER : Mike Karafa/ATL			
DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL (FT)			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. FID (ppm)		
		RECOVERY (FT)	#/TYPE					
5	0-6	100%	N/A	N/A	0-2: ASPHALT, GRAVEL FILL	0.0		
					2-24: SILT, loess, brown, damp, fine grain, stiff	0.0		
10	6-16	100%	N/A	N/A				
15								
20	16-26	100%	N/A	N/A				
25					24-26: SILT, loess, brown, fine grain, stiff, with fine grain silty sand tan mottles	0.0		
30	26-36	100%	N/A	N/A	26-31: SILTY SAND, reddish orange, fine grain, stiff, damp, with yellow orange sandy mottles	0.0		
					31-35: SAME AS ABOVE, fine to medium grain	0.0		



CH2MHILL

PROJECT NUMBER

177556.SA.FE

BORING NUMBER

MW-173

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: 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 : 10/10/2005 END : 10/11/2005

LOGGER : Mike Karafa/ATL

DEPTH BELOW SURFACE (FT)	DEPTH BELOW SURFACE (FT)			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
	SAMPLE INTERVAL (FT)		#/TYPE			
	RECOVERY (FT)					
						DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. FID (ppm)
35	26-36	100%	N/A	N/A	35-36: SILTY SAND, gravelly, loose, fine to medium grain, gravel subrounded to angular, wet 36-41: SAME AS ABOVE, gravel up to 1"	0.0 0.0
40	36-46	100%	N/A	N/A	41-46: GRAVELLY SAND, yellow orange, fine to coarse grain, loose, dry, gravel angular to rounded, up to 1"	0.0
45	46-56	100%	N/A	N/A	46-49: SAND WITH SOME SILT, fine grain, reddish orange, loose, damp, pea-sized gravel 49-50: SAND, light tan, v. fine grain, loose, dry 50-51: SAND, tan and orange, fine to medium grain, loose, damp, gravel up to 1/2" 51-52: SAND, tan, fine grain, loose, dry 52-66: SAND, tan and orange, fine to coarse grain, loose, damp, subrounded, gravel up to 1.5"	0.0 0.0 0.0 0.0 0.0
55	56-66	100%	N/A	N/A		45.1 49.8
60						
65						



CH2MHILL

PROJECT NUMBER

177556.SA.FE

BORING NUMBER

MW-173

SHEET 3 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 : 10/10/2005 END : 10/11/2005

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)		
70	66-76	100%	N/A	N/A	66-71: SAND, fine to medium grain, orange, loose, wet	0.0
75					71-74: SAND, orange, course grain, loose, wet, large cobbles up to 3"	0.0
					74-81: CLAY WITH SOME SILT, orange, very stiff, damp, gray clay mottles	0.0
80	76-86	100%	N/A	N/A	81-96: CLAY, stiff, grey, dry, massive	0.0
85						
90	86-96	100%	N/A	N/A		
95						

TD @ 96' BGS