



PROJECT NUMBER <b>148071.FI.SB</b>	BORING NUMBER <b>MW-87</b>
<b>SOIL BORING LOG</b>	

PROJECT : Memphis Depot: Dunn Field Expanded RI LOCATION : Memphis, TN  
 ELEVATION : 294.93 feet MSL (TOC); 292.80 feet MSL (ground) DRILLING CONTRACTOR : Boart Longyear  
 DRILLING METHOD AND EQUIPMENT USED : Rotosonic (four and six inch casings)  
 WATER LEVELS : 69.46 feet BTOC (01/2001) START : 10/12/2000 END: 10/12/2000 LOGGER : Craig Sprinkle

DEPTH BELOW SURFACE (FT)			STANDARD	SOIL DESCRIPTION	COMMENTS
INTERVAL (FT)	RECOVERY (IN)	#/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.
			TEST		
			RESULTS		
			6"-6"-6"-6" (N)		FID (ppm): <i>(Soil headspace)</i>
5	60		Used rotosonic drilling method no penetration test results	SILT, brown, moist	1.4
10	120			SILT, brown, moist	3.2
15				SILT, brown, moist	
20	120			SILTY SAND, yellowish red, very fine grained	4.0
25				SILTY SAND, yellowish red to reddish brown, very fine grained, moist Some brownish yellow mottles	
30	120			SILTY SAND, red to reddish brown, very fine to medium grained, moist Some grey mottles	
				SILTY SAND, fine to medium grained, red to reddish brown, moist	
				SAND, fine to coarse grained, red to reddish brown, gravel rounded to subrounded	4.8
35			Used rotosonic drilling method no penetration test results		
					100.0



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			TEST		
			RESULTS		
			6"-6"-6"-6" (N)		FID (ppm):
40  <					



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WATER LEVELS: 05401001 DOC (01/2007)      START: 10/12/2000      END: 10/12/2000      LOGGER: Craig Spahr					
DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
	RECOVERY (IN)	#/TYPE		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):
80	72			CLAYEY SILT	35.0
				SAND, with gravel	
				CLAYEY SILT, light brown yellow to brownish yellow	
				CLAY	
				Boring terminated at 81 feet	
85					
90					
95					
00					