



PROJECT NUMBER 148071.FI.SB	BORING NUMBER MW-95
SOIL BORING LOG	

PROJECT : Memphis Depot: Dunn Field Expanded RI LOCATION : Memphis, TN
 ELEVATION : 259.43 feet MSL (TOC); 259.70 feet MSL (ground) DRILLING CONTRACTOR : Tri-State Testing Services
 DRILLING METHOD AND EQUIPMENT USED : 4.25 ID Hollow-Stem Auger with 4 inch CME sampler
 WATER LEVELS : 32.03 feet BTOC (01/2001) START : 12/01/2000 END: 12/01/2000 LOGGER : Dave Nelson

DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS
	INTERVAL (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.
	RECOVERY (IN)			TEST RESULTS		
				6"-6"-6"-6" (N)		
		36		Used Continuous CME Sampler	SILT, brown, organic, rich	FID (ppm): <i>(Soil headspace)</i>
5		60			CLAY, silty, brown, gray-brown, mottled, organic material	0.8
10		60			CLAY, silty, brown-gray, mottled, dry	
15		60			CLAY, silty, gray-brown, damp CLAY, brown, gray-brown, damp	NR
20		36			CLAY, sandy,brown, orange-brown, gray, moist CLAYEY SAND, brown, orange brown, moist, gravel lenses 1 inch thick coarse CLAYEY SAND, with gravel, wet, brown 8 inch gray, gray-brown, clay with gravel moist, transition to brown orange-brown, clay sand with gravel, moist	
25		18			SAND, fine to coarse grained, orange brown, 10% gravel and 10% clay moist	0.0
30		18			SAND, fine to coarse grained, orange brown tan, moist	0.0
35		15		Used Continuous CME Sampler	SAND, fine to coarse grained, orange brown to tan, coarse gravel wet	



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	RECOVERY (IN)	#/TYPE	TEST RESULTS			
			6"-6"-6"-6" (N)			
40					SAND, fine to coarse grained, light brown, orange brown, fine gravel wet	0.0
45					SAND, fine to coarse grained, light brown-orange brown, 5% fine gravel, clay at bottom of core, wet	0.0
50					SAND, fine to coarse grained, light brown-orange brown, 5% fine gravel, saturated	
55					Due to heaving sand in auger sample could not be taken	
60					CLAY, gravelly, brown, wet CLAY, gray, stiff to very stiff, mottled with black material, damp	
65					Boring terminated at 65 feet 60 to 40 feet 2" screen 62 to 35 feet sand pack 35 to 30 feet bentonite chips 30 to surface grout	