



PROJECT NUMBER 170039	BORING NUMBER MW-117
SOIL BORING LOG	

PROJECT : EBT Treatability Study LOCATION : Memphis Depot
 ELEVATION : DRILLING CONTRACTOR : Boart Longyear
 DRILLING METHOD AND EQUIPMENT USED : Rotasonic rig (4 inch sample casing / 6 inch outer casing)
 WATER LEVELS : START : 04/30/2002 END: 05/01/2002 LOGGER : Bryan Burkingstock

DEPTH BELOW SURFACE (FT)				STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION		COMMENTS	
INTERVAL (FT)				6"-6"-6"-6" (N)		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 (%)				#/TYPE					
						Gravel (parking lot)		Corrected FID (ppm): (Soil headspace)	
5						Silt, brown, moist, (loess)		0.0	
10						Silt, brown, moist, (loess)		0.0	
15								0.0	
20						Silt, brown, moist, (loess)		0.0	
25						Sandy Clay, reddish brown with red and gray mottles, moist, fine grained, stiff		0.0	
30						Color grading from tan to brownish red to orange, red Increase fine grained sand with depth		0.0	
35						Clayey Sand, orange to dark red, fine grained, well sorted, moist, firm		0.0	
						Sand, brownish red to orange, fine grained, slight clay well sorted, moist, loos			
						Sand with gravel, orange red, fine grained, well sorted, moist, loose, pebbles (<10%) subangular, <0.25 inches diameter		Driller's sample bag: 65.0 Ziplock: 0.0	
						Clay, pink with light gray sandy clay inclusions, dense, massive, moist			



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			#/TYPE	TEST RESULTS		
				6"-6"-6" (N)		
40 <						



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	TEST					
	RESULTS					
				6"-6"-6" (N)		Corrected FID (ppm):
75					Gravelly Sand, brownish yellow, fine to coarse grained, poorly sorted, pebbles (<20%) <1 inch diameter, subangular, mois	
					Same as above, some gravel 2 inches in diameter	Driller's sample bag: 185.0 Ziplock: 0.0
80		100				
						Driller's sample bag: 161.0 Ziplock: 0.0
85						
						Driller's sample bag: 92.0 Ziplock: 0.0
90		100			Same as above, Gravelly Sand	
						Driller's sample bag: 63.0 Ziplock: 0.0
95						Watertable @ approximately 93 feet bgs
100					Same as above, Gravelly Sand	
105		100				
110					Clay, yellowish gray, stiff, massive, damp	



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RECOVERY (%)				TEST		
#/TYPE				RESULTS 6"-6"-6"-6" (N)		
115					Same as above, Clay	
					Boring Terminated @ 115 feet bgs	
120						
125						
130						
135						
140						