



PROJECT NUMBER 170039	BORING NUMBER MW-123
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 : 04/29/2002 END: 04/29/2002 LOGGER : Bryan Burkingstock

DEPTH BELOW SURFACE (FT)				STANDARD PENETRATION TEST RESULTS	SOIL DESCRIPTION	COMMENTS
INTERVAL (FT)				TEST RESULTS	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 (%)				6"-6"-6"-6" (N)		
#/TYPE						Corrected FID (ppm): (Soil headspace)
5					Gravel (parking lot)	
100					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, brownish tan 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, dark red, fine grained, well sorted, moist, firm	0.0
					Sand, dark red, fine grained, well sorted, moist, loose	
					Sand with gravel, orange red, fine grained, well sorted, moist, loose, pebbles (<10%) subangular, <0.25 inches diameter	Driller's sample bag: 42.0 Ziplock: 0.0
					Clay, pink with light gray sandy clay inclusions, dense, massive, moist	



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				TEST RESULTS		
				6"-6"-6"-6" (N)		
40 						



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		RECOVERY (%)	#/TYPE			
75					Same as above, Gravelly Sand	Driller's sample bag: 177.0 Ziplock: 0.0
80		100				Driller's sample bag: 143.0 Ziplock: 0.0
85						Driller's sample bag: 106.0 Ziplock: 0.0
90		100			Same as above, Gravelly Sand	Driller's sample bag: 73.0 Ziplock: 0.0
95						Watertable @ approximately 93 feet bgs
100		100			Same as above, Gravelly Sand	
105					Boring Terminated @ 106 feet bgs	
110						