



PROJECT NUMBER 170039	BORING NUMBER MW-115 (Clustered with MW-116)
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 : 04/22/2002 END: 04/22/2002 LOGGER : Bryan Burkingstock

DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS
	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.
	RECOVERY (%)	#/TYPE	TEST RESULTS			
			6"-6"-6"-6" (N)			
5 10 15 20 25 30 35	100			Gravel (parking lot)		Corrected FID (ppm): (Soil headspace)
				Silt, brown, moist, firm (loess)		0.0
						0.0
				Silt, brown, moist, (loess)		0.0
						0.0
				Silt, brown, moist, (loess)		0.0
				Sandy Clay, tan, moist, fine grained, stiff Dark yellow and light gray mottles Increase fine grained sand with depth Color grading from tan to brownish red to dark red		0.0
						0.0
				Clayey Sand, dark red, fine grained, well sorted, moist, dense		
				Sand, dark red, fine grained, well sorted, mois		50.1
				Clay, pink with light gray mottles, dense, massive, moist		



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RECOVERY (%)				6"-6"-6" (N)					
#/TYPE								Corrected FID (ppm):	
40 									



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RECOVERY (%)				TEST		
#/TYPE				RESULTS		
				6"-6"-6"-6" (N)		Corrected FID (ppm):
75					Same as above, Gravelly Sand	Driller's sample bag: 134.0 Ziplock: 0.0
80			100			Driller's sample bag: 125.0 Ziplock: 0.0
85					Same as above, Gravelly Sand	Driller's sample bag: 97.0 Ziplock: 0.0
90			100			Driller's sample bag: 107.0 Ziplock: 0.0
95						Watertable @ approximately 95 feet bgs
100			100		Same as above, Gravelly Sand Boring Terminated @ 101 feet bgs	
105						
110						