



PROJECT NUMBER 170039	BORING NUMBER MW-120 (Clustered with MW-121)
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 : 04/19/2002 END: 04/20/2002 LOGGER : Bryan Burkingstock

DEPTH BELOW SURFACE (FT)		INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
		RECOVERY (%)	#/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.
					Gravel (parking lot)	Corrected FID (ppm): (Soil headspace)
					Silt, brown, moist, (loess)	0.0
						0.0
					Silt, brown, moist, (loess)	0.0
						0.0
						0.0
					Silt, brown, moist, (loess)	
					Sandy Clay(some silt), tan to reddish brown, dense, moist, fine grained	0.0
					Color grading from tan to brownish red to dark red Increase fine grained sand with depth	
					Clayey Sand, dark red, fine grained, well sorted, moist, firm	0.0
						10.0
					Sand (slight clay), dark red, fine to medium grained, well sorted, moist, firm	



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RECOVERY (%)				TEST RESULTS			
#/TYPE				6"-6"-6"-6" (N)			
							Corrected FID (ppm):
							79.0
					Sand, tan, fine to medium grained, well sorted, pebbles (<10%), < 0.25 inch diameter		
					Clay, pink with light gray sandy clay inclusions, dense, massive, moist		175.0
100					Gravelly Sand, brownish yellow, fine to coarse grained, poorly sorted, loose, moist, pebbles (<20%), <1 inch diameter, subangular		
							280.0
							376.0
					Same as above, Gravelly Sand		233.0
100							483.0
							425.0
100					Same as above, Gravelly Sand		394.0



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	RECOVERY (%)			TEST		
				RESULTS		
				6"-6"-6"-6" (N)		Corrected FID (ppm):
75					Same as above, Gravelly Sand	
		100				384.0
80						
						276.0
85						
		100				143.0
90					Same as above, Gravelly Sand	
						290.0
95						Watertable @ approximately 95 feet b
100						
105					Same as above, Gravelly Sand	
		100				
110					Clay, dense, yellowish gray, massive	