



PROJECT NUMBER <b>170039</b>	BORING NUMBER <b>MW-110</b>
<b>SOIL BORING LOG</b>	

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 : 05/03/2002      END: 05/04/2002      LOGGER : Mike Karafa

DEPTH BELOW SURFACE (FT)		INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 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.
					Asphalt and gravel	Corrected FID (ppm): <b>(Soil headspace)</b>
					Silt, brown, stiff (loess)	0.0
						0.0
						0.0
						0.0
						0.0
						0.0
					Sand, orange, fine grained, loose, dry	
					Silty Sand, red, fine to medium grained, poorly sorted, damp	
						1.2
						0.0



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



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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								Corrected FID (ppm):	
75						Sand, yellow to tan, fine grained, well sorted, loose, dry			
						Sand, white to tan, fine to coarse grained, poorly sorted, gravel, dn		0.0	
80		100				Silty Clay, tan, fine grained, stiff, wet, gravel			
								0.5	
85						Sand, fine grained, orange, well sorted, loose, dry			
		100				Silty Clay, tan, fine grained, stiff, wet, gravel		0.0	
90						Sand, white to tan, loose, fine grained, dry			
		100				Sand, brown to orange, fine to coarse grained, poorly sorted, loose, gravel, pebble to cobble		0.0	
95						Sand, white, fien grained, well sorted, loose, wet gravel			
						Sandy Silt, some clay, orange, stiff, fine grained, we			Water table @ 96.5 ft bgs
						Sand, white, fine grained, loose, wet gravel			
						Same as above, gravel percentage increasing with depth			
100		100				Clay, some silt, gray with orange mottling, stiff, wet, massiv			
105						Boring terminated at 105 ft bgs			
110									