



PROJECT NUMBER 170039	BORING NUMBER IW-2
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: 04/19/2002 LOGGER : Mike Karafa

DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS
	INTERVAL (FT)	RECOVERY (%)		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.
		#	TYPE	TEST		
				RESULTS		
				6"-6"-6"-6" (N)		Corrected FID (ppm): <i>(Soil headspace)</i>
5 						



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



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RECOVERY (%)				TEST		
#/TYPE				RESULTS		
				6"-6"-6" (N)		Corrected FID (ppm):
75					Silty sand, tan, fine grained, soft, some small gravel, damp	
					Sand, orange white, fine grained, well sorted, loose, dr	0.0
					damp	
80		100			Silty Clay, tan, stiff, wet	0.0
85					Silty Sand, tan, fine grained, soft, wet	
					Sand, white to light pink, fine grained, loose, dr	0.0
90		100			Sand, brown, fine grained, stiff, pea size gravel with subrounded cobbles	0.0
					Sand, tan, fine to coarse grained, poorly sorted, gravel, subrounded to subangular pebbles to cobbles, loose dry	
95					Sand, white/tan, fine to coarse grained, poorly sorted, loose, saturated @ 96 ft bgs, White/orange interbedded silty clay	Watertable @ approximately 96 feet bgs
					Sand, orange/red, fine grained, loose, damp	
100					Gravelly Sand, tan, fine to coarse grained, poorly sorted, pebbles to cobbles Subangular to subrounded	
					Silty Clay, orange and gray mottled, wet, stif	
105					Sand, gray, fine grained, wet	
					@ 105: >1 inch bed of small brown angular gravel	
					Clay, dark gray, massive	
					Boring Terminated @ 106 feet bgs	
110						