



PROJECT NUMBER 160492.SA.03	BORING NUMBER MW-99
SOIL BORING LOG	

PROJECT : Long Term Operational Areas - Memphis Depot LOCATION : Memphis, Tennessee
 ELEVATION : 285.33 feet MSL (TOC); 285.69 feet MSL (ground) DRILLING CONTRACTOR : Tri-State Testing Services, Inc.
 DRILLING METHOD AND EQUIPMENT USED : Hollow Stem Auger 4.25 inch ID with CME Sampler
 WATER LEVELS : 89.60 feet BTOC (11/2001) START : 10/05/2001 END: 10/08/2001 LOGGER : Adam Kaiser (Jacobs)

DEPTH BELOW SURFACE (FT)				STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
	INTERVAL (FT)		#/TYPE			
	RECOVERY (%)					
				Used hollow-stem auger drilling method no penetration test results	Gravel surface	
		0			Clayey silt, brown, firm, dry	0.0
5					Clayey silt, brown, firm, dry	
		100				0.1
					Clayey silt, brown, firm, dry	
10						3.0
		67				
					Clayey silt, brown, firm, dry	
15					Brown - gray (fill)	
		90				13.2
					Tree roots	
20					Sample collected for VOCs	
		90		Silty clay, grey, soft, moist	Soil sample (> 20 ppm) 31.2	
				Silty clay, grey, hard, dry		
25					10.7	
		100				
				Clayey silt, brown, firm, damp		
30					2.1	
		100				
				Sandy silt, gray/brown, firm, damp		
35					1.0	
		65				



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DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS
	INTERVAL (FT)	RECOVERY (%)	#/TYPE	PENETRATION 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. Corrected FID (ppm):
40 						



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				TEST		
				RESULTS		
				6"-6"-6"-6" (N)		
75				Used hollow-stem auger drilling method no penetration test results	Same, reddish tan, fine - tan, some silt	1.8
		65			Med coarse	
80						2.2
		65			Gravelly sand, brown, coarse, moist, gravel 1/4 to 3/4", rounded, some silt	
85						2.5
		60			Less gravel, no silt, wet	
90						Water Table
		40			Gravelly sand, brown, coarse, saturated	3.4 Sample collected for VOCs
95						Water
		50			Gravelly sand, tan, coarse, saturated, gravel - 40% 1/2 to 1-1/2" angular	Sample collected for TOC
100						
		65			Gravelly sand, tan, oarse, saturated, small gravel - 1/4 to 1/2"	
105						
		100			Sand, tan, med coarse, saturated, no gravel	
110					Sand, tan, med coarse, saturated, no gravel	
		85				



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RECOVERY (%)				TEST RESULTS		
#/TYPE				6"-6"-6"-6" (N)		
115				Used hollow-stem auger drilling method no penetration test results	Sand, tan, med coarse, saturated, no gravel	Corrected FID (ppm):
					111.5 Clay - brown, hard, dry	
					BORING TERMINATED @ 113 FEET BGS.	
120						
125						
130						
135						
140						