



PROJECT NUMBER <b>160492.SA.03</b>	BORING NUMBER <b>SB-105</b>
<b>SOIL BORING LOG</b>	

PROJECT : Long Term Operational Areas - Memphis Depot      LOCATION : Memphis, Tennessee  
 ELEVATION : 304.29 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 : DRY      START : 10/15/2001      END: 10/15/2001      LOGGER : Jay Parker (Jacobs)

DEPTH BELOW SURFACE (FT)				STANDARD		SOIL DESCRIPTION		COMMENTS		
	INTERVAL (FT)		#/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.			
	RECOVERY (%)									
				6"-6"-6"-6" (N)	Concrete	Corrected FID (ppm): (Soil headspace)				
5		100		Used hollow-stem auger drilling method no penetration test results	Clay, Silty, moist, medium plasticity			0.0		
					Clay Silty, same as above		There was apparently 3' of slough in sampler barrel	1.9		
10		100								
15									0.0	
					Silt with clay, brown, moist, medium plasticity.			0.0		
20		100								
25								0.0		
30		100			Silt, very sandy, with clay, reddish brown, moist, medium plastic			0.0		
35								0.0		



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	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.
				TEST		
				RESULTS		
		#/TYPE		6"-6"-6" (N)		
				Used hollow-stem auger drilling method no penetration test results	Same as above	
40						0.0
			100		SAND, very fine, with some soft, reddish brown with dark mottling	
45						0.0
					SAND, as above, becoming, yellowish brown	
50						0.0
			100			
55						0.0
						Case barrel is wet at app 60'
60						Spilled 1st 6 of 57-67
			100			0.0
65						0.0
					SAND, as above, varying yellowish to reddish brown, moist some gravel	
70						0.0
			100			



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DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (%)	#/TYPE	STANDARD PENETRATION TEST RESULTS	SOIL DESCRIPTION	COMMENTS
				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.
						Corrected FID (ppm):
75				Used hollow-stem auger drilling method no penetration test results		0.0
80					Sand, gravelly, moist, brown firm grained	0.0
						Sample collected for SVOCs
85					Iron stone seam, 2" with cobbles and fine sand matrix, brown	0.0
90					Sand, some gravel, reddish brown, moist fine-grained	0.0
					Damp @ 91 - 92'	Sample collected for SVOCs
					CLAY, very sandy, some gravel/brown, moist, plastic	0.0
95					SAND, clayey, moist reddish brown, mottled yellowish brown, some gravel,	0.0
					SAND, as above more clay with some gravel	Sample collected for SVOCs
100					CLAY, stiff, moist, medium plasticity, medium brown, same sand/gravel	0.0
105					CLAY, as above, breaching gray	
					BORING TERMINATED @ 107 FEET BGS.	
110						