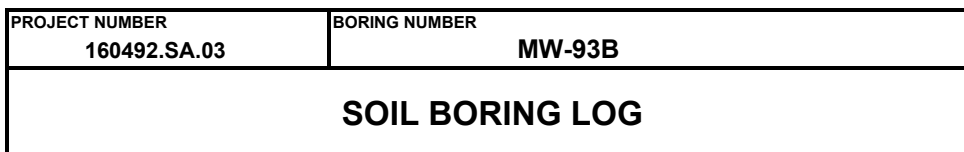


PROJECT :	Long Term Operational Areas - Memphis Depot	LOCATION :	Memphis, Tennessee
ELEVATION :	294.03 feet MSL (TOC); 294.31 feet MSL (ground)	DRILLING CONTRACTOR :	Tri-State Testing Services, Inc.
DRILLING METHOD AND EQUIPMENT USED :	Hollow Stem Auger 4.25 inch ID with CME Sampler		
WATER LEVELS :	102.45 feet BTOC (11/2001)	START :	09/25/2001
		END :	09/27/2001
		LOGGER :	Adam Keiser (Jacobs)

DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS
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. Corrected FID (ppm):
RECOVERY (%)				TEST		
#/TYPE				RESULTS		
				6"-6"-6"-6" (N)		
40				Used hollow-stem auger drilling method no penetration test results	Refer to soil boring log, MW-93A, for soil lithologies from ground surface to 90.5 feet.	
45						
50						
55						
60						
65						
70						



PROJECT :	Long Term Operational Areas - Memphis Depot	LOCATION :	Memphis, Tennessee
ELEVATION :	294.03 feet MSL (TOC); 294.31 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 :	102.45 feet BTOC (11/2001)	START :	09/25/2001
		END :	09/27/2001
		LOGGER :	Adam Keiser (Jacobs)

WATER LEVEL: 102.45 feet BTOC (1/1/2007) START: 09/29/2007 END: 09/27/2007 LOGGER: Adam Reiser (jacobs)							
DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS	
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. Corrected FID (ppm):	
RECOVERY (%)				TEST			
#/TYPE				RESULTS			
				6"-6"-6"-6" (N)			
75				Used hollow-stem auger drilling method no penetration test results	Refer to soil boring log, MW-93A, for soil lithologies from ground surface to 90.5 feet.		
80							
85							
90		85				Sand, reddish tan, med coarse, med dense, damp, <5% gravel (1/4" to 3/4"),	0.9
						more gravel 10 to 15%	
						Gravelly Sand, more gravel, 30% up to 1" most	
95		75					0.7
					50% gravel - 1 1/2"		
100		90			Sand, less gravel to no gravel, red and tan, fine, dense, moist	1.2	
						Sample collected for VOCs	
					Wet	Water Table	
					Sand, reddish (8" gray), fine, saturated		
105		100				Sample collected for TOC	
					Clay, grey, dense, dry		
110					Clay, grey, dense, dry		

PROJECT NUMBER 160492.SA.03	BORING NUMBER MW-93B
SOIL BORING LOG	