

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

SOIL BORING LOG

LOGGER: Adam Keiser (Jacobs)

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

DEPTH BELOW SURFACE (FT) STANDARD SOIL DESCRIPTION COMMENTS INTERVAL (FT) PENETRATION RECOVERY (%) TEST SOIL NAME, USCS GROUP SYMBOL, COLOR, DEPTH OF CASING, DRILLING RATE, #/TYPE RESULTS MOISTURE CONTENT, RELATIVE DENSITY, DRILLING FLUID LOSS, 6"-6"-6"-6" OR CONSISTENCY, SOIL STRUCTURE, TESTS, AND INSTRUMENTATION. (N) MINERALOGY Corrected FID (ppm): Used hollow-stem Refer to soil boring log, MW-93A, for soil lithologies from ground surface to 90.5 feet. auger
drilling method
no penetration tes 40 results 45 50 55 60 65 70



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 09/25/2001
 END:
 09/2
 DRILLING CONTRACTOR: Tri-State Testing Services, Inc.

		C (11/2001) START :	09/25/2001	END: 09/27/2001	LOGGER :	Adam Keiser (Jacobs)
TH BELOW SU		STANDARD		SOIL DESCRIPTION		COMMENTS
INTERVA		PENETRATION				
	RECOVERY (%)	TEST		GROUP SYMBOL, COLOR,		DEPTH OF CASING, DRILLING RATE,
	#/TYPE	RESULTS	MOISTURE CONTEN	IT, RELATIVE DENSITY,		DRILLING FLUID LOSS,
		6"-6"-6"	OR CONSISTENCY,	SOIL STRUCTURE,		TESTS, AND INSTRUMENTATION.
		(N)	MINERALOGY.			Corrected FID (ppr
_		Llood hollow stom	Defer to sail baring log	, MW-93A, for soil lithologies from ground	ourfood to 00 E foot	
		auger	Refer to soil borning log	, www-95A, for soil lithologies from ground	surface to 90.5 feet.	
_		drilling method no penetration tes				
i		no penetration tes	l l			
-i i		results				
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			Sand, reddish tank, me	ed coarse, med dense, damp, <5% gravel	(1/4" to 3/4"),	
_i i					, ,	
-j j						
	85					0.9
-!!!	00					0.5
-						
i i			more gravel 10 to 15%			
i i						
_i i			Gravelly Sand, more gi	ravel, 30% up to 1" most		
<u> </u>						
_! !						
! !	75					0.7
-i i						
-i i			500/			
i i			50% gravel - 1 1/2"			
- <u>i</u> i						
<u> </u>			Sand, less gravel to no	gravel, red and tan, fine, dense, moist		
1						
i i						
j j	90					1.2
ļ Ī						Sample collected for VOCs
-!!!						
}						Water Table
- 			Wet			
-ii			Sand, reddish (8" gray)), fine, saturated		
1 1						
 -	100					
 - 		1				Sample collected for TOC
						1
			Clay gray dance de-			
			Clay, grey, dense, dry			
 			Clay, grey, dense, dry Clay, grey, dense, dry			



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

SOIL BORING LOG

PROJECT: Long Term Operational Areas - Memphis Depot LOCATION : Memphis, Tennessee

ELEVATION: 294.03 feet MSL (TOC); 294.31 feet MSL (ground)

DRILLING CONTR

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: 09/2 DRILLING CONTRACTOR: Tri-State Testing Services, Inc.

TER LEVELS: 102.45 fee	et BTOC (11/2001) START :	09/25/2001 END: 09/27/2001	LOGGER: Adam Keiser (Jacobs)
PTH BELOW SURFACE (FT)	*	SOIL DESCRIPTION	COMMENTS
INTERVAL (FT)	PENETRATION		
RECOVERY		SOIL NAME, USCS GROUP SYMBOL, COLOR,	DEPTH OF CASING, DRILLING RATE,
#/7	TYPE RESULTS	MOISTURE CONTENT, RELATIVE DENSITY,	DRILLING FLUID LOSS,
	6"-6"-6"	OR CONSISTENCY, SOIL STRUCTURE,	TESTS, AND INSTRUMENTATION.
	(N)	MINERALOGY.	Corrected FID (pp
I I	Harris Harris and Con-		
- <u> </u>	Used hollow-stem	Clay, grey, dense, dry	
!!!	drilling method		
7!	auger drilling method no penetration test		
-	results	BORING TERMINATED @ 113.5 FEET BGS.	
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