

PROJECT NUMBER
148071.FI.SB
BORING NUMBER
MW-95

SOIL BORING LOG

PROJECT : Memphis Depot: Dunn Field Expanded RI LOCATION : Memphis, TN

ELEVATION: 259.43 feet MSL (TOC); 259.70 feet MSL (ground) DRILLING CONTRACTOR: Tri-State Testing Services DRILLING METHOD AND EQUIPMENT USED: 4.25 ID Hollow-Stem Auger with 4 inch CME sampler

WATER	RLEVELS	: 32.03 f	feet BTOC (0	1/2001) START:	12/01/2000 END: 12/01/2000 LOGGER:	Dave Nelson
				STANDARD	SOIL DESCRIPTION	COMMENTS
I	BELOW SURFACE (FT) INTERVAL (FT)		PENETRATION	22.2.2.2.0.00		
I		RECOVE	DV (IN)		COLL NAME TICCS ODOLID SYMPOL COLLOD	DEDTIL OF CACING DEVILUE DATE
		RECOVE		TEST	SOIL NAME, USCS GROUP SYMBOL, COLOR,	DEPTH OF CASING, DRILLING RATE,
			#/TYPE	RESULTS	MOISTURE CONTENT, RELATIVE DENSITY,	DRILLING FLUID LOSS,
				6"-6"-6"	OR CONSISTENCY, SOIL STRUCTURE,	TESTS, AND INSTRUMENTATION.
				(N)	MINERALOGY.	FID (ppm):
					SILT, brown, organic, rich	(Soil headspace)
_	!			Used Continuous CME Sampler		_
	. !	36		CME Sampler		
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	l 1					
	l !				CLAY, silty, brown, gray-brown, mottled, organic material	0.8
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I]		1		CLAY, silty, gray-brown, damp	NR
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	i				oe (1, slown, gray blown, damp	
_	i i	i				_
15	:					
	: :	60			CLAY, sandy,brown, orange-brown, gray, moist	
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_	! !				CLAVEY CAND begins assess begins assist assess there at in-the	_
					CLAYEY SAND, brown, orange brown, moist, gravel lenses 1 inch thick coarse	
-	1				CLAYEY SAND, with gravel, wet, brown	_
					8 inch gray, bray-brown, clay with gravel moist, transition to brown	
_					orange-brown, clay sand with gravel, moist	=
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_	!				SAND, fine to coarse grained, orange brown, 10% gravel and 10%clay	0.0
	! !	!			moist	
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I -	1		1		SAND, fine to coarse grained, orange brown to tan, coarse gravel	=
1]		1		wet	
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35	j i	ı	1	Used Continuous		
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DEPTH	BELOW SURFACE (FT)	STANDARD		SOIL DESCRIPTION		COMMENTS
	INTERVAL (FT)	PENETRATION				
	RECOVERY (IN)	TEST	SOIL NAME, USCS GROUP	SYMBOL, COLOR,		DEPTH OF CASING, DRILLING RATE,
	#/TYPE	RESULTS	MOISTURE CONTENT, RE			DRILLING FLUID LOSS,
		6"-6"-6"	OR CONSISTENCY, SOIL S	STRUCTURE,		TESTS, AND INSTRUMENTATION.
		(N)	MINERALOGY.			FID (ppm):
	i i l		SAND, fine to coarse grained wet	, light brown, orange brown, fine gra	avel	0.0
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-	-{{		SAND fine to coarse grained	, light brown-orange brown, 5% fine		0.0
	i i		gravel, clay at bottom of core	, wet		0.0
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_	<u>!!</u>			, light brown-orange brown, 5% fine		
-	-		gravel, saturated			=
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	i – – – i]
-	-1 1		CLAY, gravelly, brown, wet			-
60	!!!	ĺ		mottled with black material, damp		
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	 		Boring terminated at 65 feet			7
-	-	ĺ	60 to 40 feet 2" screen 62 to 35 feet sand pack			-
			35 to 30 feet bentonite chips			
1]	ĺ	30 to surface grout			
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