PROJECT NUMBER 148071.FI.LB

CH2MHILL

BORING NUMBER SBLCA-SB-14 (MW-76)

SOIL BORING LOG

PROJECT	т: с	Dunn Fie	eld DNAF	PL Investigation		LOCATION : Memp	ohis, TN		
ELEVATIO				TOC); 303.3 feet MSL (
DRILLING WATER L				ENT USED : (01/2001) START :	Hollow Stem Auger 3.25 in 11/20/2000	nch ID END: 11/21/2000		Bryan Burkingstock	
DEPTH BE				STANDARD	11/20/2000	SOIL DESCRIPTION	LOGGEN.	COMMENTS	
	INTERVAL (FT) RECOVERY (IN) #/TYPE			PENETRATION TEST RESULTS 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):	
1 i	i			Used Continuous				(Soil headspace)	
				CME Sampler	No Recovery			No Sample	-
		60			SILT, brown, dry			0	-
		60			SILT, brown, dry			0	-
		47			SILT, brown, dry			0	
20		33			SILT, brown, dry (increase in i	moisture)		0	
25		32			SILT, brown, dry (increase in r	moisture)		0	
 30 		60			SILT, brown, dry (increase in i SILT, brown transitioning to re			0	_ _
-	¦				Transition begins @ 33 feet be	gs		1	-

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BORING NUMBER SBLCA-SB-14 (MW-76)

SOIL BORING LOG

ROJE	CT :	Dunn Fi	eld DNAF	L Investigation	LOCATION : Memphis, TN	
LEVA	FION :	302.71 fe	eet MSI (1	OC); 303.3 feet MSL (ground) DRILLING CONTRACTOR : Tri-State Testing Serv	vices
				INT USED :	Hollow Stem Auger 3.25 inch ID	
	LEVELS				11/20/2000 END: 11/21/2000 LOGGER :	
PIH	BELOW SU		1)	STANDARD	SOIL DESCRIPTION	COMMENTS
	INTERVAL	. (FT) RECOVERY (IN) #/TYPE		PENETRATION TEST RESULTS 6"-6"-6"	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE,	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
				(N)	MINERALOGY.	Corrected FID (ppm):
- - 0					SANDY SILT, red, fine grained SILTY SAND, red, fine grained, with large subangular pebbles	
-		36			SAND, red, fine grained, well sorted	0
- - 5		 			SAND, red, fine grained, well sorted With pebbles, subangular	
 		30			SAND, red, fine grained, well sorted With pebbles, subangular	0
- -)					SAND, fine grained, red to reddish yellow to red, well sorted	
		45			@ 50 feet bgs: with pebbles	0
-		+~ 			SAND, fine grained, red to yellow to red, well sorted, no pebbles SAND, fine grained, orange	
- - -		17			With pebbles, subangular SAND, fine grained, orange With pebbles (1/4 to 1 inch width), subangular	0
-		 			SAND, fine to medium grained, tan to brownish yellow, poorly sorted With pebbles (<1/4 inch width), subangular	
-		40			SAND, fine to medium grained, tan to brownish yellow, poorly sorted With pebbles (<1/4 inch width), subangular SAND, fine to medium grained, yellow, no pebbles	0
_ _ 5		 			SAND, fine grained, light yellow, well sorted	
_ _ _		44			SAND, fine grained, light yellow, well sorted	0
-		 		Used Continuous CME Sampler	SAND, fine to medium grained, brownish light yellow Well sorted	
-		42			SAND, fine to medium grained, tan, well sorted	0
-					SAND, fine to medium grained, brownish light yellow Well sorted	

LEGEND FID Flame Ionization Detector T Time Boxed FID results were sampled for analytical results.

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BORING NUMBER SBLCA-SB-14 (MW-76)

SOIL BORING LOG

PROJECT : Dunn Field DNAPL Investigation					LOCATION : Memphis, TN				
ELEVATION : 302.71 feet MSI (TOC); 303.3 feet MSL DRILLING METHOD AND EQUIPMENT USED :									
					Hollow Stem Auger 3.25 inch ID				
				(01/2001) START :		11/21/2000	LOGGER :		
	BELOW SU		1)	STANDARD	SOIL DESCRIPTION			COMMENTS	
	INTERVAL			PENETRATION					
	RECOVERY (IN) TEST #/TYPE RESULTS 6"-6"-6"-6"-6"				SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE,			DEPTH OF CASING, DRILLING RATE,	
								DRILLING FLUID LOSS,	
								TESTS, AND INSTRUMENTATION.	
				(N)	MINERALOGY.			Corrected FID (ppm):	
1		42			SAND, fine grained, brownish light yellow			0	
1					Well sorted				_
									-
1 _		1							
		1							
-					SAND, fine grained, brownish yellow tr With few pebbles, subangular	ansitioning to orange			-
80		i			with lew peobles, subangular				
		i							_
- 1		46			SAND, medium grained, orange, well sorted				_
		Ī							
		I							_
-						-			-
		l			WATER TABLE @ 83 to 84 FEET BGS			No FID below water table	
-		3			SAND, fine grained				_
85									
1		ļ		Begin using 2 foot					
-		20		2 inch split spoon		wnish yellow	ish yellow		-
I _									_
1				No blow counts					
_		24		were measured.	SAND, medium to coarse grained, brownish yellow, few pebbles				-
- 1		1			_				_
90					SAND modium to coarso grained, brow	which vollow, fow pobbles			
30		24			SAND, medium to coarse grained, brownish yellow, few pebbles				
_		Ī			CLAY (@ 90.8 feet bgs) Light gray with hints of light yellow, stiff, plastic, wet			1	_
		Ī			Light gray with hints of light yellow, stiff	t, plastic, wet			
-		24							-
_	l	I							_
	└ ─ ──	ļ			BORING TERMINATED @ 93.5 FEET	BGS		4	
-						200.			-
95									
-									-
_									_
-									-
_									_
100									
100									
									_
			I		1				