PROJECT NUMBER 160492.SA.03 BORING NUMBER SB-105

SOIL BORING LOG

PROJECT :	Long Te	rm Operation	al Areas - Memphis	Depot	LOCATION : Mem	ohis Tennessee		
ELEVATION :		eet MSL (gro		Dopor	DRILLING CONTRACTOR : Tri-St		, Inc.	
	HOD AND	EQUIPMEN	T USED : Hollow St		ID with CME Sampler			
NATER LEVEL		DRY	START :	10/15/2001	END: 10/15/2001	LOGGER :	Jay Parker (Jacobs)	
DEPTH BELOW		FI)	STANDARD		SOIL DESCRIPTION		COMME	NIS
INTERV	AL (FT) RECOVE	PV (%)	PENETRATION TEST	SOIL NAME LISCS	GROUP SYMBOL, COLOR,		DEPTH OF CASING, DRILL	ING PATE
	NECOVE	#/TYPE	RESULTS		NT, RELATIVE DENSITY,		DRILLING FLUID LOSS,	INO IVAL,
			6"-6"-6"-6"	OR CONSISTENCY,			TESTS, AND INSTRUMEN	TATION.
			(N)	MINERALOGY.				cted FID (ppm):
. I	1		Used hollow-stem	Concrete Clay, Silty, moist, med	dium plasticity		(Soi	l headspace)
-			auger	3. 3. ·				
-	i		drilling method no penetration test					
-	100		results					
i	100							
_	!							
5	1							0.0
-1	i.							
_	.1							
į —	i			Clay Silty, same as ab	oove		There was apparently 3' of slough	
-1	1						in sampler barrel	
-1	i							
10	1							1.9 _
i	i							
1								
_	100							
_i	i							
45	i							• •
¹⁵	!							0.0 _
-1								
	i							
1				Silt with clay, brown, r	moist, medium plasticity.			
-i	i							
_	1							-
20	i							0.0
l l	ļ							
-1	1							
-	100							
-	-							
i	i							
25	1							0.0
25	i							0.0 _
_ļ	1							
- 								
i	i			Silt, very sandy, with c	lay, reddish brown, moist, medium plastic			
-1	1							
-i	i							
30	!							0.0
Ì	i							
į								
_	100							
_1	i							
ļ	!							
-1	1							
35	i							0.0
-1	1							
i	i		1					
	-	1						

PROJECT NUMBER 160492.SA.03 BORING NUMBER

CH2MHILL

SOIL BORING LOG

SB-105

PROJEC	т·		rm Operation	al Areas - Memphis I	Depot	LOCATION : Mem	nhis Tennessee		
ELEVATI			eet MSL (grou		Берог	DRILLING CONTRACTOR : Tri-S		. Inc.	
					tem Auger 4.25 inch	ID with CME Sampler	<u> </u>	-	
WATER L			DRY	START :	10/15/2001	END: 10/15/2001	LOGGER :	Jay Parker (Jacobs)	
		JRFACE (I	FT)	STANDARD		SOIL DESCRIPTION		CO	MMENTS
11	NTERVA			PENETRATION					
		RECOVE		TEST	SOIL NAME, USCS GROUP SYMBOL, COLOR,		DEPTH OF CASING, DRILLING RATE,		
			#/TYPE	RESULTS		NT, RELATIVE DENSITY,		DRILLING FLUID LOS	
				6"-6"-6" (N)	OR CONSISTENCY, MINERALOGY.	SOIL STRUCTURE,		TESTS, AND INSTRU	Corrected FID (ppm):
				(11)	Same as above				Confected FID (ppin).
-i		i		Used hollow-stem					-
ļ		ļ		auger drilling method					
-				no penetration test					-
40 —		i		results					0.0
_		ļ			SAND, very fine, with s	some soft, reddish brown with dark mottling			_
		100							
-i		100							-
		ļ							-
_		i							
45		į							-
⁴⁵		ļ							0.0
_		i							-
i		i							
-1.		1			SAND, as above, becc	oming, yellowish brown			-
		i							-
j		į							-
50		1							0.0
50									0.0
_i		i							=
ļ		100							
_									-
-		ļ							-
_									-
55		i							0.0
~~ <u> </u>		ļ							0.0
		!							-
		ļ							-
l l		į						Case barrel is	
		1						wet at app 60'	-
-		i						Spilled 1st 6 of	-
60		!						Spilled 1st 6 of 57-67	0.0
		1							
-i		i							-
_ !		100							-
		i							
Ť		i							-
-ļ		ļ							-
65		i							0.0
į		į							
-		!							-
		i			SAND as above year	ing vellowish to reddich brown, moist some	aravel		-
į		į			SAIND, as above, vary	ing yellowish to reddish brown, moist some	yiavei		
-		!							=
		i							-
70		į							0.0
		ļ							
-		i							-
_i		100							-
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				1				1	

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CH2MHILL

SOIL BORING LOG

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PROJEC ELEVAT				al Areas - Memphis	Depot	LOCATION : Memp DRILLING CONTRACTOR : Tri-Sta		Ino	
			eet MSL (grou		tem Auger 4 25 inch	ID with CME Sampler	ale resuling Services	, IIIC.	
WATER			DRY	START :	10/15/2001	END: 10/15/2001	LOGGER :	Jay Parker (Jacobs)	
		URFACE (I		STANDARD		SOIL DESCRIPTION		COMMENT	S
	INTERVA	AL (FT)		PENETRATION					
	RECOVERY (%)		TEST	SOIL NAME, USCS GROUP SYMBOL, COLOR,			DEPTH OF CASING, DRILLING RATE,		
			#/TYPE	RESULTS	MOISTURE CONTER	NT, RELATIVE DENSITY,		DRILLING FLUID LOSS,	
				6"-6"-6"-6"		SOIL STRUCTURE,		TESTS, AND INSTRUMENTA	
				(N)	MINERALOGY.			Correcte	ed FID (ppm):
75		1		Used hollow-stem					0.0
		i		auger					
-		!		drilling method no penetration test results					-
-		4		results					-
i		i							
_		ļ							-
-		1							-
80		i							0.0
		1			Sand, gravelly, moist,	brown firm grained			
-									-
_		100							_
!		!							
-								Sample collected for SVOCs	s –
– i		i			Iron stone seam 2" wi	ith cobbles and fine sand matrix, brown			-
85		!			non stone seam, 2 w				0.0
-i		i							-
-		!							-
ī		í			Sand, some gravel, re	ddish brown, moist fine-grained			
-		ļ							-
90		1							0.0
i		i							
-		ļ			Damp @ 91 - 92'				-
		100				me gravel/brown, moist, plastic		Sample collected for SVOCs	S _
ii		İ			CLAT, Very Sariuy, Sol	me gravei/brown, moist, plastic			_
		1							
-		i							-
95		Ī							0.0
		1			SAND, clayey, moist n	eddish brown, mattled yellowish brown, som	e gravel,		
_		i							-
-		1			SAND as above more	e clay with some gravel		Sample collected for SVOCs	-
_						soldy marconic graver			-
l i		i							
<u>-</u> !		I.							0.0
100					CLAY, stiff, moist, med	dium plasticity, medium brown, same sand/g	ravel		
		i							
]		100							-
-		100							-
		i							-
!		!							
-		1							-
105		i							
_!		ļ							_
]		1			CLAY, as above, brea	ming gray			
		ī			BORING TERMINATE				-
_									-
									-
110									
_									_