



LOCATION : Memphis Depot

DRILLING CONTRACTOR : Prosonic

WATER LEVELS :

START: 3/16/2006

END: 3/20/2006

LOGGER : Mike Karafa

DEPTH BELOW SURFACE (FT)		INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION		COMMENTS	
		RECOVERY (%)		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.	
		#/TYPE						Corrected FID (ppm):	
						grass, roots, soil, silty			0.0
		100				silt, brown, loose, dry, fine grain loess			The original location was abandoned. Therefore the soil boring information will be used from the first attempt up to 57-feet bgs and from the second attempt on from there. This is due to the second location being 5-feet from the first and nothing was logged up to 57-feet during the second attempt.
		100				silt, brown, loess, stiff, damp			0.0
		100							0.0
		100				silty sand, orangish brown, stiff, damp, fine grain			
		100				silty sand, orangish red, loose to sticky, coarse grain, gravel up to 1/2"			3.5
						sand, tan, fine to coarse grain, loose, damp, gravel up to 3/4"			



PROJECT NUMBER <b>334469</b>	BORING NUMBER <b>MW-193</b>
<b>SOIL BORING LOG</b>	

PROJECT : PRB Implementation Study LOCATION : Memphis Depot  
 ELEVATION : DRILLING CONTRACTOR : Prosonic  
 DRILLING METHOD AND EQUIPMENT USED : Rotasonic rig (4 inch sample casing / 6 inch outer casing)  
 WATER LEVELS : START : 3/16/2006 END: 3/20/2006 LOGGER : Mike Karafa

DEPTH BELOW SURFACE (FT)				STANDARD PENETRATION	SOIL DESCRIPTION	COMMENTS
	INTERVAL (FT)			TEST RESULTS  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):
	RECOVERY (%)	#/TYPE				
40	85				sand, tan, fine to medium grain, loose, dry, pea size gravel	0.0
45						
					sand, light tan, very fine grain, loose, dry	
					sand, orangish tan, dry loose, fine to coarse grain, gravel up to 3/4	
50	100				sand, light tan, very fine grain, loose, dry, pea size gravel	0.0
55						
					sand, orangish tan, fine to medium grain, loose, dry, gravel pea size up to 1/2	
60	100					0.0
65						
					sand, orange, damp, fine grain, loose	0.0
70	100					



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DEPTH BELOW SURFACE (FT)				STANDARD PENETRATION TEST RESULTS		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.	
RECOVERY (%)				TEST RESULTS					
#/TYPE				6"-6"-6" (N)					
75						sand, orange, fine to coarse grain, loose, damp to wet, gravel up to 1/2"		0.0	
80		100				sand, orange, fine to coarse grain, loose, pea size gravel, saturate			
85						silty clay, orange, stiff, damp, grey silty clay mottles			
Boring terminated at 88-feet									
90									
95									
100									
105									
110									