



PROJECT NUMBER <div style="text-align: center; font-weight: bold;">177556</div>	BORING NUMBER <div style="text-align: center; font-weight: bold;">MW-133</div>
<div style="font-size: 1.2em; font-weight: bold;">SOIL BORING LOG</div>	

PROJECT : ZVI Pilot Study	LOCATION : Memphis Depot, Dunn Field
ELEVATION :	DRILLING CONTRACTOR : Prosonic Corp
DRILLING METHOD AND EQUIPMENT USED : Rotasonic rig (4 inch sample casing / 6 inch outer casing)	
WATER LEVELS :	START : 10/13/2003 END: 10/14/2003 LOGGER : Michael Karafa

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD	SOIL DESCRIPTION	COMMENTS
	RECOVERY (%)	#/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.
					PID (ppm): (Soil headspace) 10.6
5	100			Clayey silt, reddish brown, loess, wet grass and roots	
10	100			Clayey silt, brown, stiff, damp, loess	2.5
15	100			Clayey silt, loess, reddish brown, very stiff, damp, no odor	0
25	100			Same as above	0
30				Sandy clay, red and lt. Yellow mottled, stiff, no odor, fint to medium grain	
				Sandy clay, red with <1/8" grey bands, med grain, not as stiff	
35	100			Same as above, loose, >1/4" gravel	0.0



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40				Sand some clay, red with orange and yellow, loose, gravel pieces throughout, damp	
				Sand, red to orange, coarse grain, loose, 1/4" - 1/2" gravel angular to rounded	
45	100			Sand some clay, loose, med to coarse grain, no odor, some small rounded gravel 1/4" to 1/2"	10
50					
				Sand, yellow to lt. tan, loose, fine to med grain, dry	
55	100			Sand, yellow, lt tan, and lt orange, loose, fine to coarse grain, dry subangular to rounded pebbles and gravel, some cobbles	2.2
60					
65	50			Sand, tan, medium to coarse grain, loose, dry, pebbles, stones and cobbles mixed throughout	2.5
70					



CH2MHILL

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75				Sand, fine to medium grain, loose, damp	Watertable
	100			Same as above, saturated	
80					
85				Silty clay some sand, stiff, wet, fine grain, grey and orange banded	
	100				
				Clay, massive, stiff, grey, wet	
90					
				Boring terminated at 95 ft bgs	
95					
100					
105					
110					