



PROJECT NUMBER 177556	BORING NUMBER MW-132
SOIL BORING LOG	

PROJECT : ZVI Pilot Study	LOCATION : Memphis Depot, Dunn Field
ELEVATION :	DRILLING CONTRACTOR : Miller Drilling Co.
DRILLING METHOD AND EQUIPMENT USED : Rotasonic rig (4 inch sample casing / 6 inch outer casing)	
WATER LEVELS :	START : 10/10/2003 END: 10/10/2003 LOGGER : Evan Perry

DEPTH BELOW SURFACE (FT)				STANDARD PENETRATION		SOIL DESCRIPTION		COMMENTS			
INTERVAL (FT)		RECOVERY (%)		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):			
		#/TYPE						(Soil headspace)			
0-20	100								Clayey silt (ML), reddish brown, firm, wet (likely from rain water, no odor, appears to be loess		
5											
10											
15											
20	20-30	100				Same as above					
25											
30	30-40	100				brown, dense, low plasticity clay, wet, soft, no odor					
35						Sandy clay to sandy clay, (SC), reddish brown, with orange mottled yellow, moist firm, no odor, moderately dense					



PROJECT NUMBER 177556	BORING NUMBER MW-132
SOIL BORING LOG	

PROJECT : ZVI Pilot Study	LOCATION : Memphis Depot, Dunn Field
ELEVATION :	DRILLING CONTRACTOR : Miller Drilling Co.
DRILLING METHOD AND EQUIPMENT USED : Rotasonic rig (4 inch sample casing / 6 inch outer casing)	
WATER LEVELS :	START : 10/10/2003 END: 10/10/2003 LOGGER : Evan Perry

<div> <div>40</div> <div>40-50</div> <div>50</div> </div> <div> <div>45</div> </div> <div> <div>50</div> <div>50-60</div> <div>40</div> </div> <div> <div>55</div> </div> <div> <div>60</div> <div>60-70</div> <div>40</div> </div> <div> <div>65</div> </div> <div> <div>70</div> <div>70-80</div> <div>40</div> </div>			<div>as above except more sand then clay, looser</div>	
			<div>as above, less clay content, yellow</div>	
			<div>as above, except minor (~5%) gravel, up to ~5 cm diameter</div>	
			<div>as above, no odor</div>	0
<div>75</div>			<div>saturated</div>	<div>MW-132-77 collected for TOC & Fe</div>



PROJECT NUMBER 177556	BORING NUMBER MW-132
SOIL BORING LOG	

PROJECT : ZVI Pilot Study	LOCATION : Memphis Depot, Dunn Field
ELEVATION :	DRILLING CONTRACTOR : Miller Drilling Co.
DRILLING METHOD AND EQUIPMENT USED : Rotasonic rig (4 inch sample casing / 6 inch outer casing)	
WATER LEVELS :	START : 10/10/2003 END: 10/10/2003 LOGGER : Evan Perry

80	80-90	100	same as above	0.5
85			Clay, firm, plastic, grey with red streaks, Clayey sand	MW-132-83.5-85 collected for VOCs 1.6
				0.2
90			Same as above except color is tan with grey streak	0.1
			Boring terminated at 92' bgs	
95				
100				
105				
110				