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 MWH MWH Americas, Inc. 335 Phoenixville Pike Malvern, Pennsylvania 19355	Boring ID: SB-1 Dc53-188 Page 1 of 5
	Project Name: Valero Location: Delaware City, DE Project Number: 2111100 Date Started: 5/22/2007 Date Finished: 5/22/2007 Drilling Method: Geoprobe Sampling Method: State Permit Number: NA

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Remarks
0						SW		0' - 0.3' Sand and gravel - surface material	
1						ML		0.3' - 2.7' Dark brown SILT, trace roots, slightly micaceous, dark red brown mottling, dry	
2		32.4							
3								2.7' - 10' No Lithology	
4									
5			0						
6									
7		0							
8									
9									
10			0			ML		10' - 10.1' Dark brown (10YR 3/3) clayey SILT	
11						ML		10.1' - 16.2' Very dark gray (10YR 3/1) with black mottling to 11' bgs micaceous, moist, medium stiff to soft	
12		24							
13									
14									
15									



Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Remarks
15			0					15' trace black phagmites pieces, organic odor, medium stiff	
16								16.2' - 20' No Lithology	
17		14.4							
18									
19									
20			0			CL		20' - 25.2' Dark gray silty CLAY to clayey SILT, light gray very fine-grained sandy silt laminations at 20.5' bgs, very micaceous, trace mica throughout, soft	
21									
22		13.2							
23									
24									
25			0			SW-SM		25.2' - 25.5' Light olive brown and black laminated very fine-grained SAND with SILT	
26						CL		25.5' - 31.8' Very dark gray silty CLAY, micaceous	
27		36							
28									
29									
30			0					30' some silt, little black	
31									
32						PT		31.8' - 37.4' Dark red brown (5YR 3/2) PEAT, some silt	
33		24							



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335 Phoenixville Pike
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Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Remarks
33									
34									
35			0					35' dark reddish brown grading to very dark brown, moist	
36									
37		36							
38						CL ML		37.4' - 37.5' Very dark brown CLAY, some silt, moist 37.5' - 38' Gray, dark gray and bluish gray SILT, micaceous, moist 38' - 40' No Lithology	
39									
40			0						
41						ML		40' - 43.1' Gray to greenish gray very fine-grained sandy SILT to silty very fine-grained SAND, little rust colored mottling at bottom 40.3' bgs, trace medium-grained sand (dark yellowish brown (10YR 4/6), wet	
42		37.2							
43								43.1' - 45' No Lithology	
44									
45			0			ML		45' - 45.9' Gray, strong brown, grayish brown fine-grained sandy SILT laminations, micaceous, wet	
46						SW- SM ML SW		45.9' - 46' Yellowish brown silty fine-grained SAND, wet 46' - 46.4' Gray, strong brown, grayish brown fine-grained sandy SILT laminations, micaceous, trace very fine-grained sand, wet	
47		32.4				CL		46.4' - 47.3' Dark yellowish brown fine-medium-grained SAND, trace coarse-grained sand and fine-grained rounded gravel	
48								47.3' - 47.7' Dark grayish brown CLAY, little silt, strong brown, micaceous, fine-grained sand laminations, trace reddish yellow (5YR 7/8) mottled 47.7' - 50' No Lithology	
49									
50			0			CL		50' - 51.3' Very dark gray silty CLAY, greenish glauconite, fine-grained sand, micaceous, lithified at 50.7' bgs	
51									



Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Remarks
52		15.6						51.3' - 55' No Lithology	
53									
54									
55			0			CL		55' - 62.3' Very dark gray silty CLAY, micaceous medium stiff	
56									
57		24							
58									
59									
60			0					60' little silt, stiff, trace light gray brown fine-grained sandy silt lenses, cemented at 61' bgs	
61									
62		27.6							
63								62.3' - 65' No Lithology	
64									
65			0			CL		65' - 67.7' Very dark gray CLAY, little silt, stiff, glauconite at 66.5' bgs, very micaceous	
66									
67		32.4							
68								67.7' - 70' No Lithology	
69									



Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Remarks
70								70' End of Boring	
71									
72									
73									
74									
75									
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