

Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples		Disturbed 6	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 8		Completion N/A	Core N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BL/Join	
		(0-4") CONCRETE (dry)		0					Start at 1020
		R1a (4-8") Light brown, fine SAND, trace brick (dry) [FILL]	0.0	1					Sample 0.5-2.5' at 1050 Full List
		R1b (8-10") Black, medium-fine SAND, trace brick, fine subangular gravel (dry) [FILL]	0.0	2	1	MACROCORE	24/48		
		R1c (10-16") Light grey, quartz GRAVEL, trace brown sand (dry) [FILL]	0.0	3					
		R1d (16-24") Light brown to dark brown, medium-fine SAND, trace silt (dry) [FILL]	0.0	4					
		R2a (0-6") Light brown, medium-fine SAND, trace gravel and silt (dry) [FILL]	0.0	5					Sample 6-8' at 1100 Full List
		R2b (6-10") Light grey to white mottled, medium-fine SAND, trace gravel and silt (dry) [FILL]	0.0	6	2	MACROCORE	16/48		
		R2c (10-12") Brown, SILT, little clay (moist)	0.0	7					
		R2d (12-16") Light brown, medium-fine SAND, trace gravel and silt (wet) [FILL]	0.0	8					
		R3a (0-6") Dark brown, medium-fine SAND, some silt (wet)	0.0	9					Sample 11-12' at 1115 DUP-1 Full List MS/MSD - SB10_021216 at 1139
		R3b (6-26") Reddish-brown, fine SAND, some silt (wet)	0.0	10	3	MACROCORE	26/48		
		R4a (0-20") Reddish-brown, fine SAND, some silt (wet)	0.0	11					
		R4b (10-48") Dark grey, SILT, some clay, low plasticity, shells (moist)	0.0	12					
				13					End at 1145 EOB at 16'
				14	4	MACROCORE	48/48		
				15					
				16					
				17					
				18					
				19					
				20					

Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples		Disturbed 3	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.)		First 7.5	Completion N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist BL/Join	
		(0-4") ASPHALT		0					Start at 900
		R1a (4-10") Brown, medium-fine SAND, little fine rounded gravel, trace silt (dry) [FILL]	1.4	1					Sample 0.5-2.5' at 930 Full List
		R1b (10-18") Light grey to white, medium-fine SAND, with fine quartz subangular gravel (dry) [FILL]	0.7	2	1	MACROCORE	28/48		
		R1c (18-28") Dark grey to black, medium-fine SAND, little fine subangular gravel (moist) [FILL]	0.1	3					
			0.0	4					
		R2a (0-4") Dark grey, medium-fine SAND, trace gravel (moist) [FILL]		5					Sample 7-8' at 945 Full List
		R2b (4-12") Reddish-grey, medium-fine SAND, trace gravel (moist) [FILL]	0.3	6	2	MACROCORE	12/48		
			0.1	7					
		R3a (0-16") Dark grey to reddish-brown, fine SAND, little silt, some fine subangular black gravel (wet)		8					Sample 11-12' at 1000 Full List
		R3b (16-26") Reddish-brown, fine SAND, some silt (wet)	0.0	9					
			0.0	10	3	MACROCORE	26/48		
			0.0	11					
		R4a (0-18") Tan to brown, fine SAND, some silt (wet)	0.0	12					End at 1005 EOB at 16'
			0.0	13					
			0.0	14	4	MACROCORE	30/48		
		R4b (18-30") Tan to brown, fine SAND, little fine gravel, little silt (wet)	0.0	15					
			0.0	16					
				17					
				18					
				19					
				20					

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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/16/16		Date Finished 2/16/16	
Drilling Equipment Geoprobe 540 B				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 4		Disturbed N/A	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 7.4		Undisturbed N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Core N/A	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Drilling Foreman Eddie Gallo			
Sampler Hammer N/A				Inspecting Engineer Adam Goldberg			
Weight (lbs) N/A		Drop (in) N/A					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist. BL/Join		N-Value (Blows/ft)
		(0-8") CONCRETE (dry)	0.2	0						Start at 1045
		R1a (8-12") Brown, medium-fine SAND, some coarse-fine rounded pebbles (moist) [FILL]	0.1	1						
		R1b (12-30) Dark brown, medium-fine SAND, some ash, brick, and plastic (wet) [FILL]	0.2	2	1	MACROCORE	30/48			
			0.1	3						Sample 2-4' at 1130 Full List Dup2_2-4' Full List
			0.1	4						
		R2a (0-6") Dark brown to black, medium-fine SAND, some ash (wet) [FILL]	6.9	5						
		R2b (6-8") 2" piece of WOOD	7.3	6	2	MACROCORE	18/48			
			301	7						Sample 6-8' at 1145 High PID Full List
		R2c (8-18") Dark brown to black, medium-fine SAND, some fine gravel (wet) [FILL]	98	8						
				9						
		R3a (0-11") Dark brown, medium-fine SAND, some silt (wet) [FILL]	0.2	10	3	MACROCORE	24/48			
		R3b (11-24") Dark to light grey, medium-fine SAND, some brick and silt, little fine gravel (wet) [FILL]	0.1	11						
			0.1	12						
		R4a (0-16") Dark grey, fine SAND, some silt (wet) [FILL]	0.1	13						
			0.1	14	4	MACROCORE	48/48			Sample 13-15' at 1200 Full List
		R4b (16-40") Reddish-brown, silty SAND (wet)	0.1	15						
			0.1	16						
		R4c (40-48") Reddish-brown, silty CLAY, low plasticity (moist)	0.1	17						End at 1205 EOB at 16'
			0.1	18						
				19						
				20						

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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/16/16		Date Finished 2/16/16	
Drilling Equipment Geoprobe 540 B				Completion Depth 6 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 1		Disturbed N/A	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First N/A		Completion N/A	24 HR. N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)			
		(0-8") CONCRETE (dry)	0.0	0								Start at 1315
		R1 (8-10") Black, medium-fine SAND, some coal ash, wood, slag, and brick (moist) [FILL]	0.1	1								
			0.1	2	1	MACROCORE	20/48					
			0.1	3								
		R2 (0-8") Black to dark grey, medium-fine SAND, some coal ash and brick (moist) [FILL]	0.1	4								
			0.1	5	2	MACROCORE	8/24					
				6								
				7								
				8								
				9								
				10								
				11								
				12								
				13								
				14								
				15								
				16								
				17								
				18								
				19								
				20								

Sample 2-4' at 1345 Full List

Refusal at 6' End at 1345

EOB at 6'

Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/17/16		Date Finished 2/17/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 3		Disturbed N/A	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 10.5		Undisturbed N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Core N/A	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Drilling Foreman Eddie Gallo			
Sampler Hammer N/A				Inspecting Engineer Adam Goldberg			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist. BL/ft	N-Value (Blows/ft)			
		(0-4") ASPHALT (dry)	0.0	0								Start at 745
		R1 (4-12") Brown, fine SAND, trace silt (moist) [FILL]	0.0	1								
		R2a (0-14") Dark brown to black, medium-fine SAND, some coal ash, slag, and oxidized metal (moist) [FILL]		2	1	MACROCORE	12/48					Sample 5-7' at 800 Full List
		R2b (14-18") Coarse GRAVEL (dry) [FILL]		3								
		R2c (18-24") Dark brown, medium-fine SAND, some brick and ash (moist) [FILL]		4	2	MACROCORE	24/48					
		R3a (0-10") Dark brown, medium-fine SAND, some little ash, trace silt (moist) [FILL]	0.1	5								
		R3b (10-22") Reddish-brown, medium-fine SAND, trace silt and fine rounded gravel (moist) [FILL]	0.1	6								
		R3c (22-30") Grey, fine SAND, some silt (wet) [FILL]	0.0	7	3	MACROCORE	36/48					Sample 9-11' at 810 Full List
		R3d (30-36") Dark grey, fine SAND, some silt (wet)	0.0	8								
		R4 (0-15") Light brown, medium-fine SAND, some silt (wet)	0.0	9	4	MACROCORE	15/48					Sample 15-16' at 830 Full List
			0.0	10								
			0.0	11								End at 835 EOB at 16'
			0.0	12								
			0.0	13								
			0.0	14								
			0.0	15								
			0.0	16								
			0.0	17								
			0.0	18								
			0.0	19								
			0.0	20								

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Project 450 Union Street			Project No. 170301202		
Location Brooklyn, NY			Elevation and Datum N/A		
Drilling Company Eastern Environmental		Date Started 2/11/16		Date Finished 2/11/16	
Drilling Equipment Geoprobe 7822 DT			Completion Depth 16 ft		Rock Depth N/A
Size and Type of Bit N/A			Number of Samples 3	Disturbed N/A	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.) First 9.4	Completion N/A	Core N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Eddie Gallo		
Sampler 4' Stainless Steel 2" I.D. Macrocore			Inspecting Engineer Adam Goldberg		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist BL/ft	N-Value (Blows/ft)			
		(0-6") CONCRETE (dry)	0.0	0								Start at 1045
		R1a (6-18") Dark brown to black, medium-fine SAND, some brick, coal ash, glass and wood (dry) [FILL]	0.1	1	1	MACROCORE	24/48					Sample 1-3' at 1130 Full List
		R1b (18-24") Dark brown to black, SAND, some brick, coal ash, and wood (dry) [FILL]	0.1									
		R2a (0-6") Dark brown, medium-fine SAND, some blue paint chips (dry) [FILL]	0.5	2	2	MACROCORE	24/48					
		R2b (6-24") Light grey, fine SAND, trace silt (dry) [FILL]	0.8									
		R3a (0-4") Light grey, fine SAND, trace silt (dry) [FILL]	0.5	3	3	MACROCORE	32/48					Sample 9-11' at 1140 Full List
		R3b (4-26") Dark brown to black, medium-fine SAND, some wood and coal ash, 2" of black staining (moist) [FILL]	0.0									
		R3c (26-32") Dark grey to black, SILT, little clay (moist)	0.0									
		R4 (0-14) Brown, medium-fine SAND, some silt (wet)	0.0	4	4	MACROCORE	14/48					Sample 13-14' at 1150 Full List
			0.0									
			0.0									End at 1155 EOB at 16'
			0.0									
			0.0									
			0.0									
			0.0									
			0.0									
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Project 450 Union Street		Project No. 170301202	
Location Brooklyn, NY		Elevation and Datum N/A	
Drilling Company Eastern Environmental		Date Started 2/11/16	Date Finished 2/11/16
Drilling Equipment Geoprobe 7822 DT		Completion Depth 16 ft	Rock Depth N/A
Size and Type of Bit N/A		Number of Samples	Disturbed 3
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Undisturbed N/A
Casing Hammer N/A		Weight (lbs) N/A	Drop (in) N/A
Sampler 4' Stainless Steel 2" I.D. Macrocore		Water Level (ft.) First 11.1	Completion N/A
Sampler Hammer N/A		Weight (lbs) N/A	Drop (in) N/A
		Drilling Foreman Eddie Gallo	
		Inspecting Engineer Adam Goldberg	

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BL/Join	
		(0-6") ASPHALT	0.7	0					Start at 1400
		R1a (6-36") Dark grey, medium-fine SAND, some wood, coal ash and brick (dry) [FILL]	1.5	1					
		R1b (36-48") Brown, medium-fine SAND, some coal ash, wood, brick and foam (dry) [FILL]	2.9	2	1	MACROCORE	48/48		Sample 1-3' at 1420 Full List
		R2a (0-6") Light grey, coarse-fine SAND, some quartz (dry) [FILL]	3.7	3					
		R2b (6-18") Tan to brown, medium-fine SAND, some wood, brick, and foam (dry) [FILL]	4.5	4					
		R2c (18-30") Black, medium-fine stained SAND, some wood and coal ash (moist) [FILL]	9.2	5	2	MACROCORE	30/48		Sample 7-8' at 1440 Full List
		R3a (0-30") Dark grey to black, medium-fine stained SAND, some wood and coal ash (moist) [FILL]	3.1	6					
		R3b (30-48") Light grey, medium-fine SAND, trace gravel and silt (moist) [FILL]	3.1	7					
		R4a (0-20") Light grey, coarse-fine SAND, trace gravel (wet) [FILL]	7.3	8					
		R4b (20-40") Reddish-brown, fine SAND, some silt (wet)	10.3	9					
				10	3	MACROCORE	48/48		Sample 14-16' at 1500 Full List
				11					
				12					
				13	4	MACROCORE	40/48		End at 1505
				14					EOB at 16'
				15					
				16					
				17					
				18					
				19					
				20					

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Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/11/16		Date Finished 2/11/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 3		Disturbed N/A	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 10.1		Completion N/A	24 HR. N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	BL/Join	N-Value (Blows/ft)	
		R1a (0-12") Light brown, medium-fine SAND, some brick and glass (moist) [FILL]	0.0	0							Start at 1245
		R1b (12-24") Dark grey to black, medium-fine SAND, some coal ash, wood, and glass (moist) [FILL]	0.1	1							
		R1c (24-36") Tan to brown, medium-fine SAND, trace coal ash and plastic foam (moist) [FILL]	0.1	2	1	MACROCORE	36/48				Sample 1-3' at 1300 Full List
		R2a (0-8") Tan to brown, medium-fine SAND, trace coal ash and foam (dry) [FILL]	0.0	3							
		R2b (8-18") Light grey, medium-fine SAND, trace coal ash (dry) [FILL]	0.0	4							
		R3a (0-8") Light grey, medium-fine SAND, trace coal ash (dry) [FILL]	0.1	5							
		R3b (8-20") Dark grey to black, medium-fine stained SAND, trace wood and coal ash, odor (moist) [FILL]	0.1	6	2	MACROCORE	18/48				
		R3c (20-26") Light grey, fine SAND (wet)	0.1	7							
		R4a (0-18") Light grey, medium-fine SAND (wet)	0.1	8							
		R4b (18-48") Reddish-brown, fine SAND, some silt (wet)	0.1	9							
			0.3	10	3	MACROCORE	26/48				Sample 9-11' at 1315 Full List
			1.5	11							
			0.7	12							
			0.1	13							
			0.1	14	4	MACROCORE	48/48				Sample 14-15' at 1330 Full List
			0.1	15							
			0.1	16							End at 1335
			0.1	17							EOB at 16'
			0.1	18							
			0.1	19							
			0.1	20							

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Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/11/16		Date Finished 2/11/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 16 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 3		Disturbed N/A	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 11.1		Undisturbed N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Core N/A	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Drilling Foreman Eddie Gallo			
Sampler Hammer N/A				Inspecting Engineer Adam Goldberg			
Weight (lbs) N/A		Drop (in) N/A					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
					Number	Type	Recov. (in)	Penetr. resist BL/Join	N-Value (Blows/ft)				
		(0-6") CONCRETE		0								Start at 915	
		R1a (6-12") Dark brown to black, coarse-fine SAND (dry) [FILL]	0.0	1									Sample 0.5-2.5' at 945 Full List
		R1b (12-26") Light tan to brown, medium-fine SAND (dry) [FILL]	0.0	2	1	MACROCORE	36/48						
		R1c (26-36") Light grey, medium-fine SAND (dry) [FILL]	0.0	3									
		R2a (0-13") Light brown, medium-fine SAND, some subangular gravel (dry) [FILL]	0.0	5									Sample 11.5-12.5' at 950 Full List
		R2b (13-24") Light grey, medium-fine SAND, some subangular large gravel (dry) [FILL]	0.0	6	2	MACROCORE	24/48						
		R3a (0-6") Light grey, medium-fine SAND, some subangular gravel (dry) [FILL]	0.0	9									
		R3b (6-12") Dark grey, coarse-fine SAND (moist)	0.0	11									Sample 13-14' at 1000 Full List
		R4a (0-14") Dark grey, coarse-fine SAND (wet)	0.0	13									
		R4b (14-46") Reddish-brown to white mottled, fine SAND, trace silt (wet)	0.0	14	4	MACROCORE	46/48						
			0.0	16									End at 1005
			0.0	17									EOB at 16'

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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/15/16		Date Finished 2/15/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 30 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 2		Disturbed N/A	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 9.9		Completion N/A	24 HR. N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 5' Stainless Steel 2" I.D. Macrocore				Field Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist BL/6in	
		(0-3") ASPHALT		0					Start at 815
		R1a (3-35") Brown, fine SAND, little coal ash, brick and silt (dry) [FILL]	0.0	1					
		R1b (35-37") Grey, fine subangular GRAVEL (dry) [FILL]	0.0	2	1	MACROCORE	43/60		
		R1c (37-43") Black, medium-fine SAND, some coal ash and brick (dry) [FILL]	0.0	3					
		R2a (0-12") Grey, medium-fine SAND (dry) [FILL]	0.0	4					
		R2b (12-24") Reddish to white mottled, medium-fine SAND, some slag, coal ash, and black wood (moist) [FILL]	0.0	5					
			0.0	6	2	MACROCORE	24/60		
			0.0	7					
			0.0	8					
			0.0	9					
			0.1	10					
		R3a (0-8") Dark grey, medium-fine SAND, some coal ash and wood (wet) [FILL]	0.0	11					
			0.0	12	3	MACROCORE	28/60		
		R3b (8-18") Reddish-brown, fine SILT, fine small subangular gravel (wet)	0.0	13					
		R3c (18-28") Dark grey, fine SILT, trace coarse sand (wet)	0.0	14					
			0.0	15					
		R4a (0-4") Reddish-grey, fine sandy SILT (wet)	0.0	16					
			0.0	17	4	MACROCORE	28/60		
		R4b (4-28") Dark grey, SILT (wet)	0.0	18					
			0.0	19					
			0.0	20					

Project		Project No.								
450 Union Street		170301202								
Location		Elevation and Datum								
Brooklyn, NY		N/A								
MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist. BL/6in		N-Value (Blows/ft)
		R5 (0-18") Dark grey, SILT, some coal tar product, NAPL globules and wood (wet)		20 21 22	5	MACROCORE	18/60			
		R6a (0-25") Dark grey, fine sandy SILT, some coal tar product (wet)	9.3 14.6 22.7	23 24 25						Naphthalene-like odor - possibly treated wood
		R6b (25-38") Light grey, silty CLAY, some coal tar product (moist)	28.1 36 83 39 40 37.3 41.1 39.2	26 27 28 29 30	6	MACROCORE	38/60			Sample 27-29' at 1145 Full List DUP 2 at 27-29' Full List Naphthalene-like odor
				31 32 33 34 35 36 37 38 39 40 41 42 43 44 45						EOB at 30'

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Project 450 Union Street		Project No. 170301202	
Location Brooklyn, NY		Elevation and Datum N/A	
Drilling Company Eastern Environmental		Date Started 2/17/16	Date Finished 2/17/16
Drilling Equipment Geoprobe 7822 DT		Completion Depth 40 ft	Rock Depth N/A
Size and Type of Bit N/A		Number of Samples	Disturbed 2
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Undisturbed N/A
Casing Hammer N/A		Weight (lbs) N/A	Drop (in) N/A
Sampler 5' Stainless Steel 2" I.D. Macrocore		Water Level (ft.) First 9.9	Completion N/A
Sampler Hammer N/A		Weight (lbs) N/A	Drop (in) N/A
		Drilling Foreman Eddie Gallo	
		Field Engineer Adam Goldberg	

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	BL/Join	
		(0-3") ASPHALT		0						Start at 1000
		R1a (3-23") Brown, medium-fine SAND, little fine gravel and silt [FILL]	0.0	1						
		R1b (23-30") Grey, coarse GRAVEL, brick [FILL]	0.0	2						
		R1c (30-40") Dark brown to black, medium-fine SAND, some brick and coal ash, little silt [FILL]	0.0	3	1	MACROCORE	40/60			
		R2a (0-9") Dark brown, medium-fine SAND, little silt, wood, and brick (moist) [FILL]	0.0	4						
		R2b (9-11") Dark grey, coarse to fine GRAVEL (dry) [FILL]	0.0	5						
		R2c (11-24") Light grey, medium-fine SAND, little silt (moist) [FILL]	0.0	6	2	MACROCORE	28/60			
		R2d (24-28") Dark brown to black, medium-fine SAND, some coal ash (moist) [FILL]	0.0	7						
			0.0	8						
			0.0	9						
			0.0	10						
			0.0	11						
		R3a (0-16") Dark brown, medium-fine SAND, some brick and ash (wet) [FILL]	0.0	12	3	MACROCORE	42/60			
		R3b (16-30") Black, CLAY, trace silt, medium plasticity (moist)	0.0	13						
		R3c (30-42") Dark grey, SILT, trace clay, little fine sand	0.0	14						
			0.0	15						
		R4a (0-12") Dark grey, SAND, some silt, little medium sand (wet) [FILL]	0.0	16						
			0.0	17						
		R4b (12-43") Reddish-brown, sandy SILT, trace medium sand, schist fragments (wet)	0.0	18	4	MACROCORE	54/60			
			0.0	19						
		R4c (43-53") Grey to reddish-brown, SILT, trace clay, low plasticity (wet)	0.0	20						

Project		Project No.												
450 Union Street		170301202												
Location		Elevation and Datum												
Brooklyn, NY		N/A												
MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)					
					Number	Type	Recov. (in)	Penetr. resist. BL/6in		N-Value (Blows/ft)				
									10	20	30	40		
		No Recovery		20										Soft silts, rods pushed right through
				21										
				22										
				23	5	MACROCORE	0/60							
				24										
		R6a (0-17") Dark grey, silty CLAY (wet)	2.3	25										
			2.7	26										
		R6b (17-44") Ligh grey, sandy SILT, product (wet)	13.4	27	6	MACROCORE	58/60							Sample 27-29' at 1300 Full List
			88.3	28										Strong naphthalene-like odor Sheen observed
		R6c (44-58") Dark grey, silty CLAY (wet)	380.7	29										
			220	30										
			30.7	31										
		R7a (0-23") Dark grey, SILT, little sand (wet)	61	32										Casing set at 30'
			20.1	33										
		R7b (23-36") Dark to light grey, SILT (wet)	0.4	34										
			4.2	35										
		R7c (36-48") Light grey, SILT, trace clay and NAPL (wet)	1.4	36	7	MACROCORE	60/60							Odor, NAPL, sheen
			0.8	37										
			1.3	38										
		R7d (48-56") Dark grey, CLAY, some silt, medium plasticity (moist)	4.7	39										Sample 33-34' at 1315 Full List
			40.3	40										
		R7e (56-60") Grey, fine SAND, some silt (wet)	110	41										
			16	42										
			10.2	43										
				44	8	MACROCORE	20/60							End at 1330
		R8a (0-13") Grey, medium-fine SAND, trace silt (wet)		45										NAPL, sheen, naphthalene-like odor
			0.5											
		R8b (13-19") Grey, fine SAND, with NAPL (wet)	0.4											
			0.4											EOB at 40'

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Project 450 Union Street			Project No. 170301202		
Location Brooklyn, N.Y.			Elevation and Datum Approx. 12.5 (NAVD)		
Drilling Agency ADT		Date Started 7/19/16		Date Finished 7/19/16	
Drilling Equipment Truck Mounted CME 45 Rig			Completion Depth 52 ft		Rock Depth -
Size and Type of Bit 3 7/8" Tricone Roller Bit			Number of Samples	Disturbed 14	Undisturbed 1
Casing Diameter (in) 4"	Casing Depth (ft)		Water Level (ft.) First 6	Completion -	Core 0
Casing Hammer Automatic	Weight (lbs) 140	Drop (in) 30	Drilling Foreman Dave		
Sampler 2" O.D. Split Spoon			Inspecting Engineer Frank A. Cimmino		
Sampler Hammer Automatic	Weight (lbs) 140	Drop (in) 30			

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MATERIAL SYMBOL	Elev. (ft) +12.5	Building Code	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist Bl/ft	N-Value (Blows/ft) 10 20 30 40		
			Brown m-f SAND, some Brick, trace Silt, (moist) [FILL]	0							
				1	S-1	SS	16			38	Drill through Concrete S-1 @ 0.5' to 2.5'
			Brown - Black c-f SAND, trace Silt, trace Brick, (moist) [FILL]	2							
				3	S-2	SS	12			41	S-2 @ 2.5' to 4.5' Drill to 5' Brown-Black Wash Smooth Drilling
		Class 7	Brown m-f SAND, trace c-Sand, trace Silt, trace Brick, (wet) [FILL]	4							
				5							
			No Recovery	6	S-3	SS	20			11	S-3 @ 5' to 7'
				7							
				8	S-4	SS	0			22	S-4 @ 7' to 9' Drill to 9' Brown Wash Slight Rig Chatter
				9							
			Brown - Black mif SAND, some Silt, some Brick, trace Wood, (wet) [FILL]	10	S-5	SS	0			16	S-5 @ 9'-11' Install Casing to 10' Drill to 15' Brown Wash Smooth Drilling
	+1.5		-----?-----?-----?-----?-----	11							
		Class 6	Black CLAY, some Brown f-Sand, (wet) [CL]	12							
				13							
				14							
				15							
				16	S-6	SS	2			2	S-6 @ 15'-17' Drill to 20' Black Wash Smooth Drilling
				17							
				18							
				19							
				20							

Project		Project No.								
450 Union Street		170301202								
Location		Elevation and Datum								
Brooklyn, N.Y.		Approx. 12.5 (NAVD)								
MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist BL/6in		N-Value (Blows/ft)
			No Recovery	20				1		
				21	S-7	SS	3	2	3	S-7 @ 20' to 22' Drill to 22' Black Wash Smooth Drilling
		Class 6	Black Sandy CLAY, (wet) [OH]	22				1		
				23	U-1	SH	24			U-1 @ 22' to 24'
			Black Organic CLAY, some Wood Fibers, (wet) [OH]	24				WOH		
				25	S-8	SS	20	WOH	b	S-8 @ 24' to 26' Drill to 26' Black Wash 22' to 25' Brown Wash 25' to 26' Smooth Drilling
	-13.5	Class 6	Grey f-SAND, trace Silt, Product Odor and slight Staining, PID = 0.4 ppm, (wet) [SP]	26				WOH		
				27	S-9	SS	24	2	6	S-9 @ 26' to 28' Install Casing to 26' Drill to 30' Brown Wash Smooth Drilling
		Class 6		28				1		
				29				5		
				30				4		
			Brown m-f SAND, trace Silt, Product Odor and slight Staining, PID = 1.6 ppm, (wet) [SP]	31	S-10	SS	24	7	10	S-10 @ 30' to 32' Drill to 35' Brown Wash Smooth Drilling
				32				3		
				33				7		
	-21.0		-----?-----?-----?-----?-----	34				9		
		Class 3b	Grey m-f SAND, trace Silt, Product Odor and slight Staining, PID = 0.7 ppm, (wet) [SP]	35				1		
				36	S-11	SS	12	7	14	S-11 @ 35' to 37' Drill to 40' Grey Wash Smooth Drilling
				37				7		
				38				9		
	-26.0		-----?-----?-----?-----?-----	39						
		Class 6	Grey m-f SAND, some Silt, Product Odor and heavy Staining, PID = 20.5 ppm, (wet) [SP]	40				2		
				41	S-12	SS	4	3	9	S-12 @ 40' to 42' Drill to 45' Grey Wash Smooth Drilling
				42				6		
				43				9		
	-31.0		-----?-----?-----?-----?-----	44						
		Class 3b		45						

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Project 450 Union Street	Project No. 170301202
Location Brooklyn, N.Y.	Elevation and Datum Approx. 12.5 (NAVD)

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist. BL/6in		N-Value (Blows/ft)
[Symbol: Dotted pattern]	-36.0	Class 3b	Brown m-f SAND, trace Silt, Product Odor and slight Staining, PID = 10 ppm, (wet) [SP]	45	S-13	SS	24	10	17	S-13 @ 45' to 47' Drill to 50' Brown Wash Smooth Drilling
				46				8		
[Symbol: Vertical lines]	-39.5	Class 5b	Brown SILT, trace f-Sand, Product Odor and slight Staining, PID = 5.0 ppm, (wet) [ML]	47	S-14	SS	24	9	27	S-14 @ 50' to 52'
				48				?		
			End of Boring @ 52'	49						
				50						
				51				12		
				52				15		
				53				18		
				54						
				55						
				56						
				57						
				58						
				59						
				60						
				61						
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				63						
				64						
				65						
				66						
				67						
				68						
				69						
				70						

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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, N.Y.				Elevation and Datum Approx. 12.5 (NAVD)			
Drilling Agency ADT				Date Started 7/11/16		Date Finished 7/19/16	
Drilling Equipment Truck Mounted CME 45 Rig				Completion Depth 60 ft		Rock Depth -	
Size and Type of Bit 3 7/8" Tricone Roller Bit				Number of Samples		Disturbed 17	
Casing Diameter (in) 4"				Casing Depth (ft) 26'		Undisturbed 0	
Casing Hammer Automatic				Weight (lbs) 140		Drop (in) 30	
Sampler 2" O.D. Split Spoon				Water Level (ft.) First 6		Completion 24 HR. -	
Sampler Hammer Automatic				Weight (lbs) 140		Drop (in) 30	
				Drilling Foreman Dave			
				Inspecting Engineer Frank A. Cimmino			

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MATERIAL SYMBOL	Elev. (ft) +12.5	Building Code	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
					Number	Type	Recov. (in)	Penetr. resist BLOWN	N-Value (Blows/ft)		
			Brown c-f SAND, trace Silt, (moist) [FILL]	0							
				1	S-1	SS	4				
				2			16			19	Drill through Concrete S-1 @ 0.5' to 2.5' Drill to 3' Brown Wash Smooth Drilling S-2 @ 3' to 5'
				3						8	
			Brown - Red c-f SAND, trace Silt, (moist) [FILL]	4	S-2	SS	12				
				5						38	
		Class 7	Brown c-f SAND, some Silt, (wet) [FILL]	6	S-3	SS	20				
			No Recovery	7							S-3 @ 5' to 7' Install Casing to 7' Drill to 7' Brown Wash Slight Rig Chatter S-4 @ 7' to 9' Install Casing to 9' Drill to 9' Brown Wash Slight Rig Chatter S-5 @ 9'-11' Install Casing to 15' Drill to 15' Brown Wash Smooth Drilling
			No Recovery	8	S-4	SS	0			7	
				9							
				10	S-5	SS	0			5	
				11							
	+0.5		-----?-----?-----?-----?-----	12							
		Class 6	Brown c-f SAND, trace Silt, (wet) [SP]	15							
				16	S-6	SS	2			3	S-6 @ 15'-17' Drill to 20' Brown Wash Smooth Drilling
				17						1	
	-5.5	Class 6		18							
				19							
				20							

Project		Project No.										
450 Union Street		170301202										
Location		Elevation and Datum										
Brooklyn, N.Y.		Approx. 12.5 (NAVD)										
MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)			
					Number	Type	Recov. (in)	Penetr. resist BL/6in		N-Value (Blows/ft)		
[Hatched Pattern]	-12.5	Class 6	Black Organic CLAY, some f-Sand, (wet) [CL]	20				WOH		S-7 @ 20' to 22'		
				21	S-7	SS	3	0	WOH			
				22				1	WOH			
				23	S-8	SS	24	1	2		3	
				24				3	WOH			
				25	S-9	SS	20	1	3		4	
	-21.5	Class 4b	Top: Black Organic CLAY, some f-Sand, some shells and plant fibers, (wet) [OH]	25						S-9 @ 24' to 26' Install Casing to 26' Drill to 26' Black Wash Smooth Drilling		
			Bottom: Black f-Sandy CLAY, Product Odor and slight Staining, PID = 1.0ppm, (wet) [CL]	26				4				
				27	S-10	SS	24	7	5		12	
				28				6				
				29								
				30				7				
				31	S-11	SS	24	9	11		20	
-25.5	Class 3b	Grey f-Sandy CLAY, Product Odor and slight Staining, PID = 1.0 ppm, (wet) [CL]	31						S-11 @ 30' to 32' Install Casing to 35' Drill to 35' Grey Wash Smooth Drilling			
			32				13					
			33									
			34									
			35				7					
-31.5	Class 6	Grey f-SAND, some Silt, Product Odor and slight Staining, PID = 0.3 ppm, (wet) [SM]	36	S-12	SS	12	10	20	S-12 @ 35' to 37' Install Casing to 40' Drill to 40' Grey Wash Smooth Drilling			
			37				10					
			38				11					
-31.5	Class 4b		38						S-13 @ 40' to 42' Install Casing to 45' Drill to 45' Grey Wash Smooth Drilling			
			39									
			40				1					
			41	S-13	SS	4	7	1		8		
	42				3							
	43											
	44											
	45											

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Project		Project No.								
450 Union Street		170301202								
Location		Elevation and Datum								
Brooklyn, N.Y.		Approx. 12.5 (NAVD)								
MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data				Remarks <small>(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)</small>	
					Number	Type	Recov. (in)	Penetr. resist BL/6in		N-Value (Blows/ft)
				45						
		Class 4b	Brown f-Sandy CLAY, Product Odor and slight Staining, PID = 10 ppm, (wet) [CL]	46	S-14	SS	24	6	13*	S-14 @ 45' to 47' Install Casing to 50' Drill to 50' Brown Wash Smooth Drilling
				47				7		
				48				8		
				49						
		Class 4b	Brown f-Sandy CLAY, Product Odor and slight Staining, PID = 5.3 ppm, (wet) [CL]	50				3	15*	S-15 @ 50' to 52'
				51	S-15	SS	24	7		
				52				8		
				53				9		
		Class 4b	Brown f-Sandy CLAY, Product Odor and slight Staining, PID = 4.3 ppm, (wet) [CL]	54	S-16	SS	19	11	27*	S-16 @ 52' to 54' Drill to 58' Brown Wash Smooth Drilling Install Casing to 58'
				55				12		
				56				15		
				57				16		
	-43.5		- - - - - ? - - - - - ? - - - - - ? - - - - - ? - - - - -	58						
		Class 3b	Brown c-f SAND, some Silt, (wet) [SP]	59	S-17	SS	16	9	16*	S-17 @ 58' to 60'
				60				9		
				61				7		
	-47.5		End of Boring @ 60'	62				14		
				63						
				64						
				65						
				66						
				67						
				68						
				69						
				70						

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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 8 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 4		Disturbed N/A	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 7.1		Completion N/A	24 HR. N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist BL/ft	N-Value (Blows/ft) 10 20 30 40	
		(0-4") ASPHALT		0						Start at 1415
		R1a Dark grey, medium-fine SAND, some coal ash, plastic, slag, and green-blue fragments (dry) [FILL]	0.1	1						Sample 0.5-2' at 1420 TCLP/Total Lead
		R1b CONCRETE (dry) [FILL]	0.1	2	1	MACROCORE	24/48			Sample 2-4' at 1245 TCLP/Total Lead
		R1c Reddish-brown, medium-fine SAND (moist) [FILL]	0.1	3						
				4						
		R2a (0-20") Dark grey, medium-fine SAND, some coal ash, trace silt (dry) [FILL]	0.1	5						Sample 4-6' at 1427 TCLP/Total Lead
		R2b (20-24") White to light tan, fine SAND (moist) [FILL]	0.1	6	2	MACROCORE	36/48			Sample 6-8' at 1430 TCLP/Total Lead
		R2c (24-36") Dark grey to black, fine SAND, some silt (wet) [FILL]	0.1	7						
			0.1	8						End at 1435 EOB at 1435
				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
				17						
				18						
				19						
				20						

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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 8 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 6		Disturbed N/A	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First N/A		Completion N/A	24 HR. N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist BL/ft	
		(0-4") ASPHALT		0					Start at 1430
		R1a (4-10") Dark brown, medium-fine SAND, little brick, trace coal ash (dry) [FILL]	0.1	1					Sample 0.5-2' at 1435 TCLP/Total Lead
		R1b (10-15") CONCRETE (dry) [FILL]	0.1						
		R1c (15-25") Light grey, medium-fine SAND (dry) [FILL]	0.9	2	1	MACROCORE	33/48		Sample 2-4' at 1440 TCLP/Total Lead
		R1d (25-33") Reddish-brown, fine SAND, little silt (dry) [FILL]	0.1						
		R2a (0-12") Light grey, fine GRAVEL [FILL]	0.1	5					Sample 4-6' at 1445 TCLP/Total Lead
		R2b (12-40") Dark grey, medium-fine SAND, some coal ash, trace brick (moist) [FILL]	0.1	6	2	MACROCORE	40/48		
			0.1	7					Sample 6-8' at 1450 MS/MSD at 1450 TCLP/Total Lead
			0.1						
			0.1	8					End at 1455
				9					EOB at 8'
				10					
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 8 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 4		Disturbed N/A	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First N/A		Completion N/A	24 HR. N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist BL/ft	N-Value (Blows/ft) 10 20 30 40	
		(0-2") ASPHALT		0						Begin at 1355
		R1a (2-14") Dark grey, medium-fine SAND, some brick and glass (dry) [FILL]	0.1	1						Sample 0.5-2' at 1400 TCLP/Total Lead
		R1b (14-22") Reddish-brown, fine SAND, trace silt [FILL]	0.1	2	1	MACROCORE	20/48			
		R1c (22-30") Light grey, medium-fine SAND (dry) [FILL]	0.1	3						Sample 2-4' at 1405 TCLP/Total Lead
		R2a (0-12") Dark grey, medium-fine SAND (dry) [FILL]	0.1	4						
		R2b (12-16") White, fine GRAVEL (dry) [FILL]	0.1	5						Sample 4-6' at 1410 TCLP/Total Lead
		R2c (16-20") Dark grey to black, medium-fine SAND (moist) [FILL]	0.1	6	2	MACROCORE	24/48			Sample 6-8' at 1415 TCLP/Total Lead
			0.1	7						
			0.1	8						End at 1420 EOB at 1420
				9						
				10						
				11						
				12						
				13						
				14						
				15						
				16						
				17						
				18						
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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/16/16		Date Finished 2/16/16	
Drilling Equipment Geoprobe 540 B				Completion Depth 3 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples		Disturbed 1	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.)		First N/A	Completion N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	N-Value (Blows/ft)		
		(0-8") CONCRETE	0.0	0							Start at 900
		R1 (8-12") Dark grey, medium-fine SAND, some brick (moist) [FILL]	0.1	1	1	MACROCORE	12/48				
				2							Refusal at 3' End at 1000 EOB at 3'
				3							
				4							
				5							
				6							
				7							
				8							
				9							
				10							
				11							
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				13							
				14							
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				16							
				17							
				18							
				19							
				20							

Project 450 Union Street			Project No. 170301202		
Location Brooklyn, NY			Elevation and Datum N/A		
Drilling Company Eastern Environmental		Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT			Completion Depth 12 ft		Rock Depth N/A
Size and Type of Bit N/A			Number of Samples	Disturbed 5	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.)	First N/A	Completion N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Eddie Gallo		
Sampler 4' Stainless Steel 2" I.D. Macrocore			Inspecting Engineer Adam Goldberg		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	BL/Join	N-Value (Blows/ft)	
		(0-4") ASPHALT		0							
		R1a (4-21") Light brown, medium-fine SAND, trace brick (dry) [FILL]	0.1	1							Sample 0.5-2' at 1340 TCLP/Total Lead
		R1b (21-36") Dark brown, medium-fine SAND, trace brick (dry) [FILL]	0.1	2	1	MACROCORE	36/48				Sample 2-4' at 1342 TCLP/Total Lead
		R2a (0-11") Grey, medium-fine SAND, trace brick (moist) [FILL]	0.1	4							
		R2b (11-27") Dark brown to grey mottled, medium-fine SAND, some wood, and coal ash (moist) [FILL]	0.1	5							Sample 4-6' at 1345 TCLP/Total Lead
		R2c (27-29") White, fine GRAVEL (dry) [FILL]	0.1	6	2	MACROCORE	40/48				
		R2d (29-40") Light grey, medium-fine SAND, trace gravel (moist) [FILL]	0.1	7							Sample 6-8' at 1350 TCLP/Total Lead SB2R_FILL(6-8)
		R3a (0-10") Grey, coarse-fine SAND, little silt (wet)	0.1	10	3	MACROCORE	28/48				
		R3b (10-28") Reddish-grey, fine SAND, little silt (wet)	0.1	11							End at 1355
			0.1	12							EOB at 12'
				13							
				14							
				15							
				16							
				17							
				18							
				19							
				20							

Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 8 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 5		Disturbed N/A	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First N/A		Completion N/A	24 HR. N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	BL/Join	N-Value (Blows/ft)	
		(0-4") ASPHALT		0							Start at 1300
		R1a (4-12") Light brown, medium-fine SAND, some brick, wood, and coal ash (dry) [FILL]	0.5	1							Sample 0.5-2' at 1305
		R1b (12-14") GLASS 3" band (dry) [FILL]	0.3								TCLP/Total Lead
		R1c (14-30") Dark brown, medium-fine SAND, some brick, glass and coal ash (dry) [FILL]	0.2	2	1	MACROCORE	30/48				Sample 2-4' at 1310
			0.1								TCLP/Total Lead
		R2a (0-20") Dark brown, medium-fine SAND, some brick and coal ash (moist) [FILL]		4							
		R2b (20-26") White, coarse GRAVEL (dry) [FILL]	0.1	5							Sample 4-6' at 1315
			0.1								DUP 4-6 at 1315
		R2c (26-46") Dark grey to black, coarse-fine SAND, some coal ash, wood, and grey mottling (wet) [FILL]	0.1	6	2	MACROCORE	46/48				TCLP/Total Lead
			0.1								Sample 6-8' at 1313
			0.1	7							TCLP/Total Lead
			0.1								End at 1315
			0.1	8							EOB at 8'
				9							
				10							
				11							
				12							
				13							
				14							
				15							
				16							
				17							
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				19							
				20							

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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 8 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples		Disturbed 4	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.)		First 8	Completion N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	BL/Join	
		(0-4") ASPHALT		0						Start at 1315
		R1a (4-8") Dark grey, medium-fine SAND, trace brick (dry) [FILL]	0.2	1						Sample 0.5-2' at 1320 TCLP/Total Lead
		R1b (8-12") Light grey, medium-fine SAND, trace brick (dry) [FILL]	0.1	2	1	MACROCORE	27/48			
		R1c (12-14") Black, medium-fine SAND, trace brick (dry) [FILL]	0.1	3						Sample 2-4' at 1325 TCLP/Total Lead
		R1d (14-20") Brown, fine SAND, trace brick (dry) [FILL]	0.1	4						
		R1e (20-27") Light grey, medium-fine SAND, trace brick (dry) [FILL]		5						Sample 4-6' at 1328 TCLP/Total Lead
		R2a (0-7") Dark grey to black, medium-fine SAND, some coal ash (dry) [FILL]		6	2	MACROCORE	17/48			
		R2b (7-10") BRICK (moist) [FILL]		7						Sample 6-8' at 1330 TCLP/Total Lead
		R2c (10-17") Dark grey, SAND, some coal ash and brick (wet) [FILL]		8						
				8						End at 1335
				9						EOB at 8'
				10						
				11						
				12						
				13						
				14						
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Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 8 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 4		Disturbed N/A	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First N/A		Completion N/A	24 HR. N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	BL/Join	N-Value (Blows/ft) 10 20 30 40	
	0.0	R1a (0-6") Brown, medium-fine SAND, some brick (dry) [FILL]		0							Start at 1200
	0.0	R1b (6-10") White, GRAVEL (dry) [FILL]		1							Sample 0.5-2' at 1205 TCLP/Total Lead
	0.0	R1c (10-18") Black, medium-fine stained SAND, some wood, brick, and coal ash (dry) [FILL]		2	1	MACROCORE	18/48				Sample 2-4' at 1210 TCLP/Total Lead
	0.0	R2a (0-4") White, GRAVEL (dry)		4							
	0.0	R2b (4-11") Black, medium-fine stained SAND, some wood, brick, coal ash and blue paint chips (moist) [FILL]		5							Sample 4-6' at 1215 TCLP/Total Lead
	0.0	R2c (11-9") Dark brown, medium-fine SAND, trace brick (moist) [FILL]		6	2	MACROCORE	20/48				Sample 6-8' at 1220 TCLP/Total Lead
	0.0			7							End at 1225
	0.0			8							EOB at 1225
				9							
				10							
				11							
				12							
				13							
				14							
				15							
				16							
				17							
				18							
				19							
				20							

Project 450 Union Street				Project No. 170301202			
Location Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Eastern Environmental				Date Started 2/12/16		Date Finished 2/12/16	
Drilling Equipment Geoprobe 7822 DT				Completion Depth 8 ft		Rock Depth N/A	
Size and Type of Bit N/A				Number of Samples 4		Disturbed N/A	Core N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 7.6		Completion N/A	24 HR. N/A
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Eddie Gallo	
Sampler 4' Stainless Steel 2" I.D. Macrocore				Inspecting Engineer Adam Goldberg			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist	BL/Join	N-Value (Blows/ft) 10 20 30 40	
		(0-4") ASPHALT		0							Start at 1250
		R1a (4-14") Dark brown, medium-fine SAND, trace brick (dry) [FILL]	0.1	1							Sample 0.5-2' at 1255 TCLP/Total Lead
		R1b (14-16") White, GRAVEL, some quartz (dry) [FILL]	0.1	2	1	MACROCORE	20/48				Sample 2-4' at 1300 TCLP/Total Lead
		R1c (16-20") Tan brown to light grey, medium-fine SAND, trace brick (dry) [FILL]	0.2	3							
		R2 (0-18") Light grey, medium-fine SAND, trace coarse sand (dry) [FILL]		4							
				5							Sample 5-6' at 1305 TCLP/Total Lead
				6	2	MACROCORE	18/48				Sample 6-8' at 1310 TCLP/Total Lead
				7							End at 1315
				8							EOB at 1315
				9							
				10							
				11							
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