

APPENDIX B

VIBRACORE LOGS

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20135

Date: 07/15/2008

Weather: High 80s, sunny, winds 5-10 mph SW



Northing: 1120105.90

Easting: 921241.52

Mud Line: 354.67 Ft

Surface Water Depth: 8.3 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 9.6

Water Elev: 362.97 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0594-01	0	ML	Wet, very soft, black SILT, little fine sand, petroleum-like odor.	Vibracore	Silt
		OL-0594-02	0	ML	0 to 7 inches is wet, very soft, black SILT, little fine sand, petroleum-like odor. Rest of core is wet, very soft, dark gray SILT, little to trace fine sand, trace clay, petroleum-like odor.	Vibracore	
		OL-0594-03	0	ML	0-7 inches wet, very soft, dark gray SILT, trace fine sand, petroleum-like odor. Rest of core wet, very soft grayish-white silt-like grains, trace fine sand, mothball odor (SOLW).	Vibracore	
		OL-0594-04	0	SOLW	Wet, very soft black and grayish-white silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
		OL-0594-05	0.1	SOLW	Wet, very soft, grayish-white silt-like grains, trace fine sand, mothball odor.	Vibracore	
5		OL-0594-06	0.2	SOLW	Wet, very soft, grayish-white silt-like grains, trace fine sand, mothball odor. Large solvay chunk from 3 inches to 5 inches from top of core. Trace organics.	Vibracore	
		OL-0594-07	0	SOLW	Wet, very soft, light-green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-0594-08	0	SOLW	Wet, very soft, light-green silt-like grains, trace fine sand, mothball odor. 2-4 inches from top of core gray fine sand seam, trace organics.	Vibracore	
		OL-0594-09	0	SOLW	Wet, very soft, grayish-white silt-like grains, trace fine sand, mothball odor. 4-6 inches from top of core gray fine sand seam, trace organics.	Vibracore	
9.6		OL-0594-10	0	SOLW	0-6 inches is wet, very soft light-green, silt-like grains, trace fine sand, mothball odor. Rest of core is wet, very soft grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20136

Date: 07/15/2008

Weather: High 80s, sunny, winds 5-10 mph SW



Northing: 1120047.68

Easting: 921371.23

Mud Line: 354.87 Ft

Surface Water Depth: 8.1 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.7

Water Elev: 362.97 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0594-11	0	ML	Wet, very soft black SILT, trace fine sand, zebra mussels in top 4 inches, petroleum-like odor.	Vibracore	Silt
		OL-0594-12	0	SM	Wet, very loose, black fine SAND, little silt, little metal fragments, 3 inch long chunk of brick at the end of core, petroleum-like odor.	Vibracore	Fine Sand
		OL-0594-13	0	SM	Wet, very soft black SILT, little fine sand, trace slag, petroleum-like odor.	Vibracore	Silt, Fine Sand
		OL-0594-14	0	SM	Wet, very loose black fine SAND, little silt, some metal fragments, hard fine sand layers through out, petroleum-like odor.	Vibracore	Fine Sand, Silt
		OL-0594-16	0	SM	Wet, very soft black SILT, some fine sand, slight petroleum-like odor. Large fine sand chunks in bottom 4 inches, chunks less than 4 inches in diameter.	Vibracore	Silt
5		OL-0594-17	0.8	ML	Wet, very soft, dark-brown SILT, little fine sand, metals/slag throughout, large metal chunk 8 inches from top of core, petroleum-like odor.	Vibracore	
		OL-0594-18	0	ML	Wet, very soft black SILT, little clay, trace fine sand, low plasticity, petroleum-like odor, large rock in bottom 2 inches of core.	Vibracore	
		OL-0594-19	0	ML	Wet, very soft black SILT, trace fine sand, little clay, low plasticity, fine gravel from 6 inches to 10 from top of core, poorly sorted. Strong petroleum and grease-like odor.	Vibracore	
		OL-0594-20	0	ML	Wet, very soft, dark brown SILT, little clay, trace fine sand, 1 inch diameter gravel at 6 inches, 1/2 inch diameter wood fragment at bottom of core, organic odor.	Vibracore	
8.7							

Notes: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20137

Date: 07/15/2008

Weather: High 80s, sunny, winds 5-10 mph SW

Northing: 1119971.66

Easting: 921455.29

Mud Line: 343.97 Ft

Surface Water Depth: 19.0 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 7.2

Water Elev: 362.97 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0595-01	0	ML	Wet, very soft, brown SILT, little clay, trace fine sand, low plasticity, fine subrounded gravel from 3-5 inches from top of core, 3 inch diameter cobble from 7 inches to 10 inches from top of core, strong petroleum-like odor.	Vibracore	Silt
		OL-0595-02	0	ML	0-9 inches wet, very soft, black SILT, little fine sand, strong petroleum-like odor, some fine sand chunks (foundry sand). Rest of core wet, very soft, gray SILT, some fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0595-03	0.5	SM	Wet, very soft, gray SILT, some fine sand, trace shells, sulfur odor, MARL.	Vibracore	Marl
		OL-0595-04	0.7	SM	Wet, very soft, gray SILT, some fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0595-05	7.4	SM	Wet, very soft, gray SILT, some fine sand, trace shells, sulfur odor, MARL. 1 inch long wood fragment at 6 inches from top of core.	Vibracore	
5		OL-0595-06	1.1	SM	Wet, very soft gray SILT, little fine sand, trace clay, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0595-07	1.2	ML	Wet, very soft gray SILT, little clay, trace fine sand, trace shells, red clay seam from 5 inches to 5.5 inches from top of core, moderate plasticity, sulfur odor, MARL.	Vibracore	
7.2							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20138

Date: 07/15/2008

Weather: High 80s, sunny, winds 5-10 mph SW

Northing: 1119881.88

Easting: 921467.45

Mud Line: 352.97 Ft

Surface Water Depth: 10 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.8

Water Elev: 362.97 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0595-08	0	ML	0-5 inches is wet, very soft black SILT, trace fine sand, trace organics, petroleum-like odor. Rest of core is wet, very soft, brown SILT, little fine sand, some slag (1/2 inch to 1 inch in diameter), slight petroleum-like odor.	Vibracore	Silt
		OL-0595-09	0	GM	Wet, stiff red till (fill/backfill), slight petroleum-like and organic odor.	Vibracore	Fill
		OL-0595-10	0	GM	Wet, stiff red till (fill/backfill), slight petroleum-like and organic odor. 2 inch long tan color brick in top of core.	Vibracore	
		OL-0595-11	0.3	SM	0-6 inches wet, very loose, gray fine SAND, some silt, trace shells, sulfur odor, MARL. Rest of core is wet, very soft, black SILT, some fine sand, trace metal fragments, slight petroleum-like odor. 1 inch long brick fragments in bottom of core.	Vibracore	Marl
		OL-0595-13	0.4	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, concretions in top 4 inches, sulfur odor, MARL.	Vibracore	
5		OL-0595-14	0.2	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0595-15	0.1	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0595-16	0.5	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0595-17	0.1	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, sulfur odor, MARL. 0-6 inches some concretions, black fine sand seam 4.5 to 5 inches from top of core.	Vibracore	
8.8							

Note: Null fields indicate readings were not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20139

Date: 07/16/2008

Weather: High 80s, sunny, winds 5-10 mph SW



Northing: 1119752.59

Easting: 921417.45

Mud Line: 360.53 Ft

Surface Water Depth: 2.4 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.9

Water Elev: 362.93 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0596-01	0.1	ML	Wet, very soft black SILT, trace fine sand, petroleum-like odor, organics in top 4 inches of core (PID is reading ambient air at 0.1 due to moisture).	Vibracore	Silt
		OL-0596-02	0.6	ML	Wet, very soft black SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
		OL-0596-03	0.4	ML	0-9 inches is wet, very soft black to gray SILT, trace fine sand, trace organics, petroleum-like odor. Rest of core is wet, very loose, dark gray fine SAND, little silt, some concretions, little shells, petroleum-like odor, MARL.	Vibracore	
		OL-0596-04	0.7	ML	Wet, very soft dark gray SILT, trace fine sand, trace clay at bottom of core, some shells, some fine sand in top 4 inches of core, low plasticity, sulfur odor, MARL.	Vibracore	Marl
		OL-0596-05	0.4	ML	0-6 inches wet, very soft gray SILT, little clay, low plasticity, sulfur odor. Rest of core is wet, very soft gray SILT, trace fine sand, some concretions, sulfur odor, MARL (PID reading of 0.4 is in ambient air due to moisture).	Vibracore	
5		OL-0596-06	0.3	ML	Wet, very soft gray SILT, little fine sand, trace shells, some concretions in top 6 inches, sulfur odor, MARL.	Vibracore	
		OL-0596-07	0.2	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0596-08	0.2	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0596-09	0.3	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
8.9							

Note: Null fields indicate readings were not taken.

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20140

Date: 07/16/2008

Weather: High 80s, sunny, winds 5-10 mph SW

Northing: 1119699.63

Easting: 921481.46

Mud Line: 359.63 Ft

Surface Water Depth: 3.3 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 7.5

Water Elev: 362.93 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0596-10	0.3	ML	Wet, very soft, gray SILT, little fine sand, concretions throughout, sulfur odor, black fine sand, some silt, seam from 3 inches to 5.5 inches from top of core, slight petroleum-like odor, trace shells, 5 inch long piece of metal with concrete, MARL.	Vibracore	Marl
		OL-0596-11	0.7	ML	Wet, very soft, gray SILT, little fine sand, some concretions, trace shells, sulfur odor, MARL (PID 0.3 in ambient air).	Vibracore	
		OL-0596-12	0.6	ML	Wet, very soft, gray SILT, little fine sand, some concretions, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0596-13	0.2	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0596-14	0.1	ML	Wet, very soft gray SILT, little fine sand, little concretions, trace shells, sulfur odor, MARL.	Vibracore	
5		OL-0596-16	0.2	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0596-17	0.1	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
7.5							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20141

Date: 07/16/2008

Weather: High 80s, sunny, winds 5-10 mph SW



Northing: 1119588.96

Easting: 921539.47

Mud Line: 360.23 Ft

Surface Water Depth: 2.7 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 10.0

Water Elev: 362.93 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0598-01	0.2	SM	0-3 inches is plant matter and black fine SAND. Rest of core wet, very loose gray fine SAND and Silt, some concretions, slight sulfur odor, trace shells, MARL.	Vibracore	Fine Sand
		OL-0598-02	0.2	SM	Wet, very loose gray fine SAND and Silt, some concretions, slight sulfur odor, trace shells, MARL.	Vibracore	Marl
		OL-0598-03	0.4	SM	Wet, very loose gray fine SAND and Silt, some concretions, slight sulfur odor, trace shells, MARL.	Vibracore	
		OL-0598-04	0.2	SM	Wet very soft gray SILT, some fine sand, trace shells, little concretions in top 5 inches, sulfur odor, MARL.	Vibracore	
		OL-0598-05	0.3	ML	Wet, very soft gray SILT, little fine sand, trace shells, concretions in bottom 2 inches of core, sulfur odor, MARL.	Vibracore	
5		OL-0598-06	0.4	ML	Wet very soft gray SILT, little fine sand, trace shells, small concretions in bottom 3 inches, large 2 inch diameter shell on top of core, sulfur odor, MARL.	Vibracore	
		OL-0598-07	0.2	ML	Wet very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0598-08	0.2	ML	Wet very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0598-10	0.3	ML	Wet very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0598-11	0.2	ML	Wet very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
10.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20142

Date: 08/27/2008

Weather: Mid 70s, clear/sunny, winds 5-10 mph E

Honeywell

Northing: 1119445.15

Easting: 922116.30

Mud Line: 348.52 Ft

Surface Water Depth: 14.4 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: MLV

Penetration Depth: 6.0

Core Recovery Depth: 3.5

Water Elev: 362.92 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0651-05		SP	Wet, very loose, gray, fine SAND, little silt, trace organics, trace shells, sulfur odor, MARL.	Vibracore	Marl
		OL-0651-06		SP	Wet, very loose, gray, fine SAND, little silt, trace organics, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0651-07		SP	Wet, very loose, gray, fine SAND, little silt, trace organics, trace shells, trace concretions in the top 2 inches, sulfur odor, MARL.	Vibracore	
3.5		OL-0651-08		SP	Wet, very loose, gray, fine SAND, little silt, trace organics, trace shells, sulfur odor, MARL.	Vibracore	

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20143

Date: 08/26/2008

Weather: Mid 70s, sunny, winds 5-10 mph N

Northing: 1119525.11

Easting: 922227.26

Mud Line: 335 Ft

Surface Water Depth: 28 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.0

Core Recovery Depth: 3.8

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0650-09		ML	Wet, very soft, black, SILT, fine sand seam at 5 inches, petroleum-like odor.	Vibracore	Silt
		OL-0650-10		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0650-11		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0650-13		ML	0 to 5 inches is wet, very soft, black, SILT, trace fine sand, petroleum-like odor. Rest of core is wet, very soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor, MARL.	Vibracore	
3.8							Marl

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20144

Date: 08/27/2008

Weather: Mid 70s, clear/sunny, winds 5-10 mph E

Northing: 1119193.88

Easting: 922288.20

Mud Line: 356.92 Ft

Surface Water Depth: 6 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: MLV

Penetration Depth: 6.0

Core Recovery Depth: 4.6

Water Elev: 362.92 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0651-09		SM	Wet, very loose, gray, fine SAND and Silt, trace shells, some shells from 4 to 6 inches and 8 to 10 inches, sulfur odor, MARL.	Vibracore	Marl
		OL-0651-10		SM	Wet, very loose, gray, fine SAND and Silt, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0651-11		SM	Wet, very loose, grey, fine SAND and Silt, trace shells, trace organics, sulfur odor, MARL.	Vibracore	
		OL-0651-12		SM	Wet, very loose, grey, fine SAND and Silt, trace shells, sulfur odor, MARL.	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20145

Date: 09/03/2008

Weather: Mid 80s, partly cloudy, winds 5-10 mph W-SW

Northing: 1119305.10

Easting: 922393.66

Mud Line: 338.17 Ft

Surface Water Depth: 24.9 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8

Water Elev: 363.07 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0659-08	0.5	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum odor.	Vibracore	Silt
		OL-0659-09	14.2	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum odor.	Vibracore	
		OL-0659-10	12.1	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum odor.	Vibracore	
		OL-0659-11	15.2	ML	Wet, very soft, black grading to dark gray, SILT, trace fine sand, trace organics, petroleum odor.	Vibracore	
		OL-0659-12	8.4	ML	Wet, very soft, gray, SILT, some clay, low plasticity, trace shells, sulfur odor (MARL).	Vibracore	Marl
5		OL-0659-13	14.3	CL	Wet, very soft, gray, CLAY and Silt, low plasticity, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0659-14	0.5	CL	Wet, very soft, gray, CLAY and Silt, low plasticity, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0659-16	0.2	CL	Wet, very soft, gray, CLAY and Silt, low plasticity, trace shells, sulfur odor (MARL).	Vibracore	
8.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20146

Date: 08/26/2008

Weather: Mid 70s, sunny, winds 5-10 mph N

Northing: 1119388.73

Easting: 922514.79

Mud Line: 335 Ft

Surface Water Depth: 28 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.0

Core Recovery Depth: 4.1

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0651-01		ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	Silt
		OL-0651-02		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0651-03		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0651-04		ML	Top 2 inches wet, very soft, black, SILT, trace fine sand, petroleum-like odor. Rest of core is wet, very soft, brown, SILT, some clay, trace shells, low plasticity, sulfur odor, MARL.	Vibracore	Marl
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20147

Date: 07/16/2008

Weather: High 80s, sunny, winds 5-10 mph SW



Northing: 1118811.83

Easting: 922310.40

Mud Line: 361.13 Ft

Surface Water Depth: 1.8 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 9.0

Water Elev: 362.93 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0597-01	0.2	ML	Wet, very soft gray SILT, little fine sand, trace shells, some concretions in top 9 inches, top 2 inches is black with organics, sulfur odor, MARL.	Vibracore	Marl
		OL-0597-02	2	ML	Wet, very soft gray SILT, little fine sand, trace shells, some concretions in top 9 inches, top 2 inches ,strong sulfur odor, MARL.	Vibracore	
		OL-0597-03	1.1	ML	Wet, very soft , gray SILT, little fine sand, some concretions, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0597-05	2.2	ML	Wet, very soft , gray SILT, little fine sand, some concretions, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0597-06	9.3	ML	Wet, very soft gray SILT, little fine sand, little concretions (smaller in size than previous), trace shells, sulfur odor, MARL.	Vibracore	
5		OL-0597-07	4.2	ML	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0597-08	1.2	SM	Wet, very soft gray SILT, some fine sand, some concretions, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0597-09	0.3	ML	Wet very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL (PID reading ambient air at 0.1).	Vibracore	
		OL-0597-10	0.3	ML	Wet very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL (PID reading ambient air at 0.1).	Vibracore	
9.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30085

Date: 08/29/2008

Weather: Mid 70s, cloudy, winds 5-10 mph S

Northing: 1126972.66

Easting: 917085.26

Mud Line: 336.83 Ft

Surface Water Depth: 26.2 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 6.0

Core Recovery Depth: 3.4

Water Elev: 363.03 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0655-01		ML	Wet, very soft, dark gray, SILT, trace fine sand, slight petroleum-like odor	Vibracore	Silt
		OL-0655-02		ML	Wet, very soft, dark gray, SILT, trace fine sand, petroleum-like odor	Vibracore	
		OL-0655-03		ML	Wet, very soft, dark gray, SILT, trace fine sand, petroleum-like odor	Vibracore	
3.4		OL-0655-04		ML	Wet, very soft, dark gray, SILT, trace fine sand, petroleum-like odor	Vibracore	

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30086

Date: 08/29/2008

Weather: Mid 70s, cloudy, winds 5-10 mph S

Northing: 1126754.11

Easting: 917054.99

Mud Line: 342.03 Ft

Surface Water Depth: 21 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 6.0

Core Recovery Depth: 4.8

Water Elev: 363.03 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0654-05		ML	Wet, very soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	Silt
		OL-0654-06		ML	Wet, very soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-0654-07		ML	Wet, very soft, black, SILT, trace fine sand, trace clay, low plasticity, faint petroleum-like odor.	Vibracore	
		OL-0654-08		ML	Wet, very soft, black, SILT, trace fine sand, trace clay, low plasticity, some concretions from 8 to 10 inches, faint petroleum-like odor.	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30087

Date: 08/29/2008

Weather: Mid 70s, cloudy, winds 5-10 mph S

Northing: 1126873.46

Easting: 917368.63

Mud Line: 335.53 Ft

Surface Water Depth: 27.5 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.5

Core Recovery Depth: 3.6

Water Elev: 363.03 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0654-09		ML	Wet, very soft, dark gray, SILT, trace fine sand, slight sulfur odor.	Vibracore	Silt
		OL-0654-10		ML	Wet, very soft, black, SILT, trace fine sand, trace clay, low plasticity, petroleum-like odor.	Vibracore	
		OL-0654-12		ML	Wet, very soft, black, SILT, trace fine sand, trace clay, low plasticity, slight petroleum-like odor.	Vibracore	
		OL-0654-13		ML	Wet, very soft, black, SILT, trace fine sand, trace clay, low plasticity, slight petroleum-like odor.	Vibracore	
3.6							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30088

Date: 08/29/2008

Weather: Mid 70s, cloudy, winds 5-10 mph S

Honeywell

Northing: 1126589.05

Easting: 917348.70

Mud Line: 353.03 Ft

Surface Water Depth: 8 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.5

Core Recovery Depth: 4.1

Water Elev: 363.03 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0654-14		ML	Wet, very soft, gray, SILT, some fine sand, little shells, sulfur odor, MARL.	Vibracore	Marl
		OL-0654-15		ML	Wet, very soft, brown, SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0654-16		ML	Wet, very soft, brown, SILT, trace fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0654-17		ML	Wet, very soft, brown, SILT, trace fine sand, trace shells, trace organics, slight sulfur odor, MARL.	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30089

Date: 08/28/2008

Weather: Mid 70s, clear/sunny, winds 5-10 mph E

Northing: 1120610.44

Easting: 921353.34

Mud Line: 336.72 Ft

Surface Water Depth: 26.2 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.0

Core Recovery Depth: 3.8

Water Elev: 362.92 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0652-01		ML	Wet, very soft, brown to dark gray, SILT, petroleum-like odor	Vibracore	Silt
		OL-0652-02		ML	Wet, very soft, black, SILT, petroleum-like odor	Vibracore	
		OL-0652-03		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor	Vibracore	
		OL-0652-04		ML	0 to 6 is wet, very soft, black, SILT, trace fine sand, petroleum-like odor. Rest of core is wet, very soft, gray green, silt-like grains, mothball odor, SOLW	Vibracore	
3.8							Solvay Waste

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30090

Date: 08/27/2008

Weather: Mid 70s, clear/sunny, winds 5-10 mph E

Northing: 1120501.55

Easting: 921201.01

Mud Line: 348.92 Ft

Surface Water Depth: 14 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: MLV

Penetration Depth: 5.0

Core Recovery Depth: 4.9

Water Elev: 362.92 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0651-13		SOLW	Wet, very soft, dark gray-green to gray, silt-like grains, cementation at 7 inches, mothball odor.	Vibracore	Solvay Waste
		OL-0651-14		SOLW	Wet, very soft, gray, silt-like grains, cementations at 5 and 11 inches, mothball odor.	Vibracore	
		OL-0651-15		SOLW	Wet, very soft, gray, silt-like grains, trace fine sand grain, cemented layer 9 to 11 inches, mothball odor.	Vibracore	
		OL-0651-16		SOLW	Wet, very soft, gray, silt-like grains, trace fine sand grains, trace organics, mothball odor.	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30091

Date: 08/28/2008

Weather: Mid 70s, cloudy, winds 5-10 mph SE

Northing: 1120423.03

Easting: 921382.77

Mud Line: 338.3 Ft

Surface Water Depth: 25.2 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 6.0

Core Recovery Depth: 4.6

Water Elev: 363.5 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0652-05		ML	Wet, very soft, dark gray to brown, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-0652-06		ML	Wet, very soft, brown to black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0652-07		ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
		OL-0652-08		ML	0 to 9 inches is wet, very soft, black, SILT, trace fine sand, petroleum-like odor. Rest of core is wet, very soft, gray green, silt-like grains, trace fine sand, mothball odor, SOLW.	Vibracore	
4.0							Solvay Waste

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30092

Date: 08/27/2008

Weather: Mid 70s, clear/sunny, winds 5-10 mph E

Northing: 1120331.65

Easting: 921227.13

Mud Line: 349.02 Ft

Surface Water Depth: 13.9 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: MLV

Penetration Depth: 6.0

Core Recovery Depth: 5.1

Water Elev: 362.92 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0651-17		SOLW	Wet, soft, dark gray to gray, silt-like grains, trace fine sand, cemented layer 11 to 12 inches, mothball odor.	Vibracore	Solvay Waste
		OL-0651-18		SOLW	Wet, very soft, gray, silt-like grains, cementation 10 to 12 inches, mothball odor.	Vibracore	
		OL-0651-20		SOLW	Wet, very soft, gray, silt-like grains, cementation top 1 inch and bottom 2 inches, mothball odor.	Vibracore	
		OL-0651-21		SOLW	Wet, very soft, gray, silt-like grains, cementations in top 2 inches and top 1 inch, mothball odor.	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40202

Date: 08/29/2008

Weather: Mid 70s, cloudy, winds 5-10 mph S

Northing: 1126824.71

Easting: 914290.74

Mud Line: 340.03 Ft

Surface Water Depth: 23 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 6.0

Core Recovery Depth: 4.0

Water Elev: 363.03 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0654-01		ML	Wet, very soft, gray, SILT, trace fine sand, slight sulfur odor	Vibracore	Silt
		OL-0654-02		ML	Wet, very soft, dark gray, SILT, trace fine sand, petroleum-like odor	Vibracore	
		OL-0654-03		ML	Wet, very soft, dark gray, SILT, trace fine sand, petroleum-like odor	Vibracore	
		OL-0654-04		ML	Wet, very soft, dark gray, SILT, trace clay, low plasticity, slight petroleum-like odor	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40203

Date: 09/03/2008

Weather: Mid 80s, partly cloudy, winds 5-10 mph W-SW

Northing: 1126605.62

Easting: 914327.40

Mud Line: 344.27 Ft

Surface Water Depth: 18.8 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: SMC/HMP

Penetration Depth: 10.0

Core Recovery Depth: 7.0

Water Elev: 363.07 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0659-01	0	SM	Top 8 inches is wet, very soft, SILT and fine Sand, trace shells, sulfur and slight organic odor. Rest of core is wet, very soft, black, SILT, trace fine sand, sulfur odor (MARL).	Vibracore	Marl
		OL-0659-02	17.8	SM	Top 5 inches is wet, very soft, black, SILT, trace fine sand, sulfur odor. Rest of core is wet, very soft, dark gray, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0659-03	38.2	SM	Wet, very soft, dark gray, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0659-04	59.9	SM	Wet, very soft, dark gray, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0659-05	70.8	SM	Wet, very soft, dark gray, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0659-06	14.4	SM	Wet, very soft, dark gray, SILT, some fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0659-07	8.7	ML	Wet, very soft, gray, SILT, trace fine sand, trace clay, trace shells, low plasticity, sulfur odor (MARL).	Vibracore	
7.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40204

Date: 08/28/2008

Weather: Mid 70s, cloudy, winds 5-10 mph SE



Northing: 1126340.02

Easting: 914457.92

Mud Line: 353.5 Ft

Surface Water Depth: 10 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.5

Core Recovery Depth: 4.4

Water Elev: 363.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0653-09		ML	Wet, very soft, gray, SILT, little fine sand, trace organics, trace shells, medium concretions in top 2 inches, sulfur odor, MARL.	Vibracore	Marl
		OL-0653-10		ML	Wet, very soft, gray, SILT, little fine sand, trace organics, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0653-11		ML	Wet, very soft, gray, SILT, little fine sand, trace organics, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0653-12		ML	Wet, very soft, gray, SILT, little fine sand, trace organics, trace shells, sulfur odor, MARL.	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40205

Date: 09/02/2008

Weather: Mid 80s, sunny, winds 5-10 mph NW

Northing: 1126119.97

Easting: 914556.22

Mud Line: 359.85 Ft

Surface Water Depth: 3.1 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 10.0

Core Recovery Depth: 9.2

Water Elev: 362.95 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0656-09	10.8	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-0656-10	6.4	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0656-11	10.4	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, some concretions, sulfur odor (MARL).	Vibracore	
		OL-0656-12	8.2	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0656-13	1.3	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0656-14	4.8	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0656-15	6.7	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0656-16	10.1	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0656-18	5.8	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
9.2							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40206

Date: 09/02/2008

Weather: Mid 80s, sunny, winds 5-10 mph NW

Northing: 1126235.46

Easting: 914751.87

Mud Line: 358.55 Ft

Surface Water Depth: 4.4 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 10.0

Core Recovery Depth: 7.4

Water Elev: 362.95 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0656-01	1.2	ML	Wet, very soft, dark gray, SILT, trace fine sand, little organics, organic and slight petroleum-like odor.	Vibracore	Silt
		OL-0656-02	1.3	ML	Wet, very soft, gray, SILT, trace fine sand, organic odor.	Vibracore	
		OL-0656-03	3.4	ML	Wet, very soft, gray, SILT, trace fine sand, organic odor.	Vibracore	
		OL-0656-04	0.7	ML	Wet, very soft, gray, SILT, trace fine sand, organic odor.	Vibracore	
		OL-0656-05	0.9	ML	Wet, very soft, gray, SILT, trace fine sand, organic odor.	Vibracore	
5		OL-0656-06	0.5	ML	Wet, very soft, gray, SILT, trace fine sand, organic odor.	Vibracore	
		OL-0656-07	0.9	ML	Wet, very soft, gray, SILT, trace fine sand, organic odor.	Vibracore	
7.4		OL-0656-08	1.4	ML	Wet, very soft, gray, SILT, trace fine sand, organic odor.	Vibracore	

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40207

Date: 09/03/2008

Weather: Mid 80s, partly cloudy, winds 5-10 mph W-SW

Northing: 1126093.81

Easting: 915230.25

Mud Line: 361.07 Ft

Surface Water Depth: 2 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: SMC/HMP

Penetration Depth: 10.0

Core Recovery Depth: 7.0

Water Elev: 363.07 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0657-01	0.1	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace clay in bottom 3 inches, little organics in top half of core, slight petroleum-like odor.	Vibracore	Silt
		OL-0657-02	0.3	ML	Wet, very soft, dark gray, SILT, trace clay, low plasticity, trace organics, organic odor.	Vibracore	
		OL-0657-03	0.1	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace clay, low plasticity, organic odor.	Vibracore	
		OL-0657-04	0	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace clay, low plasticity, organic odor.	Vibracore	
		OL-0657-05	0.2	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace clay, low plasticity, organic odor.	Vibracore	
5		OL-0657-06	0.1	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace clay, low plasticity, organic odor.	Vibracore	
		OL-0657-07	0.2	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace clay, low plasticity, organic odor.	Vibracore	
7.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40209

Date: 09/03/2008

Weather: Mid 80s, partly cloudy, winds 5-10 mph W-SW

Northing: 1125666.70

Easting: 915229.79

Mud Line: 361.77 Ft

Surface Water Depth: 1.3 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: SMC/HMP

Penetration Depth: 10.0

Core Recovery Depth: 7.8

Water Elev: 363.07 Ft

Attempts: 0

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0657-08	2.4	ML	0 to 8 inches is wet, very soft, black, SILT; trace fine sand, trace organics, slight sulfur odor. Rest of core is wet, very soft, gray, SILT, little fine sand, some concretions, trace shells, sulfur odor (MARL).	Vibracore	Silt
		OL-0657-09	29.2	SM	Wet, very loose, gray, fine SAND, some silt, some concretions, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0657-10	50.4	SM	Wet, very loose, gray, fine SAND, some silt, some concretions, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0657-11	2.8	SM	Top 6 inches is wet, very loose, gray, fine SAND, some silt, some concretions, trace shells, sulfur odor (MARL). Rest of core is wet, very loose, gray, fine SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0657-12	5.8	SM	Wet, very loose, gray, fine SAND, some silt, concretions from 4 to 5.5 inches, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0657-14	2.4	SM	Wet, very loose, gray, fine SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0657-15	0.7	SM	Wet, very loose, gray, fine SAND, some silt, trace organics, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0657-16	0.7	SM	Wet, very loose, gray, fine SAND, some silt, trace organics, trace shells, sulfur odor (MARL).	Vibracore	
7.8							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40210

Date: 09/03/2008

Weather: Mid 80s, partly cloudy, winds 5-10 mph W-SW



Northing: 1125685.08

Easting: 915769.42

Mud Line: 361.07 Ft

Surface Water Depth: 2 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: SMC/HMP

Penetration Depth: 10.0

Core Recovery Depth: 8.8

Water Elev: 363.07 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0658-01	0	SM	0 to 4 inches is wet, very soft, black, SILT, trace fine sand, trace organics, organic odor (ML). Rest of core is wet, very soft, gray, SILT, little to some fine sand, some concretions, trace shells, slight sulfur odor (MARL).	Vibracore	Marl
		OL-0658-02	0	SM	Wet, very soft, gray, SILT, little to some fine sand, some concretions, trace shells, slight sulfur odor (MARL).	Vibracore	
		OL-0658-03	0	SM	Wet, very soft, gray, SILT, little to some fine sand, concretions in top 6 inches, trace shells, slight sulfur odor (MARL).	Vibracore	
		OL-0658-04	0.2	SM	Wet, very soft, gray, SILT, little to some fine sand, some concretions, trace shells, slight sulfur odor (MARL).	Vibracore	
		OL-0658-05	0	SM	Wet, very soft, gray, SILT, little to some fine sand, some concretions, trace shells, slight sulfur odor (MARL).	Vibracore	
5		OL-0658-06	0.1	SM	Wet, very soft, gray, SILT, little to some fine sand, some concretions, trace organics, trace shells, slight sulfur odor (MARL).	Vibracore	
		OL-0658-07	0	SM	Wet, very soft, gray, SILT, little to some fine sand, trace shells, slight sulfur odor (MARL).	Vibracore	
		OL-0658-08	0	SM	Wet, very soft, gray, SILT, little to some fine sand, trace shells, slight sulfur odor (MARL).	Vibracore	
		OL-0658-09	0	SM	Top 6 inches is wet, very soft, gray, SILT, little to some fine sand, trace shells, slight sulfur odor (MARL). Rest of core is wet, very soft, dark gray, SILT and fine Sand, trace shells, sulfur odor (MARL).	Vibracore	
8.8							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40211

Date: 09/03/2008

Weather: Mid 80s, partly cloudy, winds 5-10 mph W-SW

Northing: 1125592.12

Easting: 915778.62

Mud Line: 361.97 Ft

Surface Water Depth: 1.1 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: SMC/HMP

Penetration Depth: 10.0

Core Recovery Depth: 7.2

Water Elev: 363.07 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0658-10	0.3	ML	0 to 5 inches is wet, very soft, black, SILT, trace fine sand, trace clay, trace organics, slight organic odor, low plasticity. Rest of core is wet, very soft, gray, SILT, some fine sand, some concretions, trace shells, organic odor (MARL) (ML-SM).	Vibracore	Silt
		OL-0658-11	0	SM	Wet, very soft, gray, SILT, some fine sand, some concretions in top 6 inches, trace shells, organic and slight sulfur odor (MARL).	Vibracore	Marl
		OL-0658-12	0	ML	Wet, very soft, gray, SILT, little fine sand, some small concretions, trace organics, trace shells, trace sulfur odor (MARL).	Vibracore	
		OL-0658-13	0	ML	Wet, very soft, gray, SILT, little fine sand, some small concretions, trace organics, trace shells, trace sulfur odor (MARL).	Vibracore	
		OL-0658-14	0	ML	Wet, very soft, gray, SILT, little fine sand, some small concretions, trace organics, trace shells, trace sulfur odor (MARL).	Vibracore	
5		OL-0658-15	0	ML	Wet, very soft, gray, SILT, little fine sand, some small concretions, trace organics, trace shells, trace sulfur odor (MARL).	Vibracore	
		OL-0658-17	0	ML	Top 4 inches is wet, very soft, gray, SILT, little fine sand, some small concretions, trace organics, trace shells, trace sulfur odor (MARL). Rest of core is wet, very soft, dark gray, SILT, trace fine sand, trace clay, trace organics, slight sulfur odor (MARL).	Vibracore	
7.2							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50028

Date: 08/28/2008

Weather: Mid 70s, cloudy, winds 5-10 mph SE

Honeywell

Northing: 1127234.42

Easting: 914169.62

Mud Line: 337.1 Ft

Surface Water Depth: 26.4 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 6.0

Core Recovery Depth: 3.8

Water Elev: 363.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0652-13		ML	Wet, very soft, brown gray, SILT, trace fine sand, organic odor.	Vibracore	Silt
		OL-0652-14		ML	Wet, very soft, gray to black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-0652-16		ML	Wet, very soft, dark gray, SILT, trace fine sand, trace organics, slight petroleum-like odor.	Vibracore	
		OL-0652-17		ML	Wet, very soft, dark gray-brown, SILT, trace fine sand, trace organics, slight organic odor.	Vibracore	
3.8							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50029

Date: 08/29/2008

Weather: Mid 70s, cloudy, winds 5-10 mph S

Northing: 1127452.36

Easting: 913889.61

Mud Line: 356.03 Ft

Surface Water Depth: 7 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 6.0

Core Recovery Depth: 3.4

Water Elev: 363.03 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0655-05		SM	Wet, very soft, gray, SILT, some fine sand, trace fine gravel, trace shells, sulfur odor, MARL.	Vibracore	Marl
		OL-0655-06		SM	Wet, very soft, gray, SILT, some fine sand, trace fine gravel, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0655-07		SM	Wet, very soft, gray, SILT, some fine sand, trace shells, sulfur odor, MARL.	Vibracore	
3.4		OL-0655-08		SM	Wet, very soft, gray, SILT and medium to fine Sand, trace shells, sulfur odor, MARL.	Vibracore	

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50030

Date: 08/28/2008

Weather: High 70s, cloudy, winds 5-10 mph SE

Northing: 1127538.51

Easting: 914273.49

Mud Line: 336.5 Ft

Surface Water Depth: 29 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 6.0

Core Recovery Depth: 4.4

Water Elev: 363.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0653-01		ML	Wet, very soft, gray brown, SILT, trace fine sand, trace organics, slight organic and slight petroleum-like odors	Vibracore	Silt
		OL-0653-02		ML	Wet, very soft, dark gray, SILT, trace fine sand, trace organics, slight organic odor	Vibracore	
		OL-0653-03		ML	Wet, very soft, brown, SILT, trace fine sand, trace organics, trace shells, slight sulfur odor, MARL	Vibracore	Marl
		OL-0653-04		ML	Wet, very soft, brown, SILT, little clay, trace shells, sulfur odor, MARL	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50031

Date: 08/28/2008

Weather: High 70s, cloudy, winds 5-10 mph SE

Northing: 1127670.34

Easting: 913979.06

Mud Line: 334.0 Ft

Surface Water Depth: 29.5 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.0

Core Recovery Depth: 4.3

Water Elev: 363.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0653-05		ML	Wet, very soft, gray brown, SILT, trace fine sand, slight organic odor.	Vibracore	Silt
		OL-0653-06		ML	Wet, very soft, gray brown, SILT, trace fine sand, slight organic odor.	Vibracore	
		OL-0653-07		ML	0 to 5 inches is wet, very soft, gray, SILT, trace fine sand, trace shells, slight organic odor. Rest of core is wet, soft, brown, SILT, trace clay, trace shells, slight sulfur odor, MARL.	Vibracore	
		OL-0653-08		ML	Wet, very soft, brown, SILT, trace fine sand, trace clay, trace shells, low plasticity, sulfur odor, MARL.	Vibracore	Marl
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50032

Date: 08/28/2008

Weather: High 70s, cloudy, winds 5-10 mph SE

Honeywell

Northing: 1127915.67

Easting: 914077.79

Mud Line: 333.3 Ft

Surface Water Depth: 30.2 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.5

Core Recovery Depth: 4.3

Water Elev: 363.5 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0652-09		ML	Wet, very soft, dark gray, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-0652-10		ML	Wet, very soft, dark gray, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-0652-11		ML	Wet, very soft, brown, SILT, trace fine sand, trace shells, trace organics, sulfur odor, MARL.	Vibracore	Marl
		OL-0652-12		ML	Wet, very soft, brown, SILT, trace fine sand, trace clay, trace shells, sulfur odor, MARL.	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50033

Date: 08/25/2008

Weather: High 60s, mix sun/clouds, winds 10-15 mph NNW

Northing: 1121208.06

Easting: 927700.14

Mud Line: 347.27 Ft

Surface Water Depth: 15.8 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.0

Core Recovery Depth: 4.5

Water Elev: 363.07 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0642-09		ML	Wet, very soft, black, SILT, little sand, petroleum-like odor	Vibracore	Silt
		OL-0642-10		ML	Wet, very soft, black, SILT, little fine sand, petroleum-like odor	Vibracore	
		OL-0642-11		ML	Wet, very soft, black, SILT, some fine sand, petroleum-like odor	Vibracore	
		OL-0642-13		ML	Wet, very soft, black, SILT, little fine sand, trace organics, trace sand, petroleum-like odor	Vibracore	
4.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50034

Date: 08/26/2008

Weather: Mid 70s, sunny, winds 5-10 mph N

Northing: 1121239.61

Easting: 927436.80

Mud Line: 338.5 Ft

Surface Water Depth: 24.5 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.0

Core Recovery Depth: 3.9

Water Elev: 363 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0650-01		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor	Vibracore	Silt
		OL-0650-02		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor	Vibracore	
		OL-0650-03		ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor	Vibracore	
		OL-0650-04		ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor	Vibracore	
3.9							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50035

Date: 08/26/2008

Weather: Mid 70s, sunny, winds 5-10 mph N

Northing: 1121236.24

Easting: 927213.36

Mud Line: 333.6 Ft

Surface Water Depth: 29.4 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.0

Core Recovery Depth: 3.7

Water Elev: 363 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0650-05		ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0650-06		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0650-07		ML	Wet, very soft, black, SILT, trace organics, petroleum-like odor.	Vibracore	
		OL-0650-08		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
3.7							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60195

Date: 08/25/2008

Weather: High 60s, mix sun/clouds, winds 10-15mph NNW

Northing: 1120427.14

Easting: 928400.17

Mud Line: 357.67 Ft

Surface Water Depth: 5.4 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.0

Core Recovery Depth: 3.8

Water Elev: 363.07 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0642-01		ML	0 to 5 inches are wet, very soft, dark brown and gray, SILT, little fine sand, some organics, organic odor. Rest of core, wet, very soft, gray, SILT, little fine sand, little shells, sulfur odor, MARL.	Vibracore	Silt
		OL-0642-02		ML	Wet, very soft, grey, SILT, some fine sand, some shells, MARL.	Vibracore	Marl
		OL-0642-03		ML	Wet, very soft, gray, SILT, some fine sand, some shells, sulfur odor, MARL.	Vibracore	
		OL-0642-04		ML	Wet, very, soft, gray, SILT, some fine sand, some shells, sulfur odor, MARL.	Vibracore	
3.8							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60196

Date: 08/25/2008

Weather: High 60s, mix sun/clouds, winds 10-15mph NNW

Northing: 1120261.38

Easting: 928530.29

Mud Line: 358.27 Ft

Surface Water Depth: 4.8 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: HMP

Penetration Depth: 5.0

Core Recovery Depth: 3.9

Water Elev: 363.07 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0642-05		ML	Wet, very soft, black, SILT, trace organics in top 2 inches, petroleum-like odor.	Vibracore	Silt
		OL-0642-06		ML	Wet, very soft, black, SILT, petroleum-like odor (ambient PID is 0.3).	Vibracore	
		OL-0642-07		ML	Wet, very soft, black, SILT, fine sand seam at 5 inches, petroleum like odor.	Vibracore	
		OL-0642-08		ML	Wet, very soft, black, SILT, fine sand seam at 5, 7, and 10 inches, petroleum-like odor.	Vibracore	

3.9

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60200

Date: 07/17/2008

Weather: Low 90s, mix sun/clouds, winds 5-10 mph SSW



Northing: 1118702.07

Easting: 928540.23

Mud Line: 360.88 Ft

Surface Water Depth: 2.1 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 6.0

Water Elev: 362.98 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0600-01	0.3	SP	Wet, very loose dark gray fine SAND, trace silt, trace shells, MARL.	Vibracore	Marl
		OL-0600-02	0.5	SM	Wet, very loose gray fine SAND, little silt, trace shells, trace organics, MARL.	Vibracore	
		OL-0600-03	1.2	SM	Wet, very loose gray fine SAND, little silt, trace shells, some organics, MARL.	Vibracore	
		OL-0600-04	0.5	SM	Wet, very loose gray fine SAND, little silt, trace shells, some organics, MARL.	Vibracore	
		OL-0600-05	0.9	ML	Wet, very soft gray SILT, little fine sand, trace shells, trace organics, sulfur odor, MARL (ambient PID is 0.8).	Vibracore	
5		OL-0600-06	0.8	ML	Wet, very soft gray SILT, little clay, trace fine sand, trace shells, trace organics, sulfur odor, low plasticity, MARL (ambient PID is 0.5).	Vibracore	
6.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60201

Date: 07/17/2008

Weather: Low 90s, mix sun/clouds, winds 5-10 mph SSW

Honeywell

Northing: 1118495.22

Easting: 928280.99

Mud Line: 359.88 Ft

Surface Water Depth: 3.1 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 7.0

Water Elev: 362.98 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0600-07	0	SP	Wet, very loose gray fine SAND, trace silt, trace shells, top 3 inches is black with organics, slight sulfur odor, MARL.	Vibracore	Marl
		OL-0600-08	3.7	ML	Wet, very soft, gray SILT, little fine sand, trace shells, trace organics, sulfur odor, MARL (ambient PID is 0.2).	Vibracore	
		OL-0600-09	0.2	ML	Wet, very soft, gray SILT, little fine sand, trace shells, trace organics, sulfur odor, MARL.	Vibracore	
		OL-0600-10	0.6	ML	Wet, very soft, gray SILT, little fine sand, trace shells, trace organics, sulfur odor, MARL.	Vibracore	
		OL-0600-11	0.2	ML	Wet, very soft, gray SILT, little fine sand, trace shells, trace organics, sulfur odor, MARL.	Vibracore	
5		OL-0600-12	0.6	ML	Wet, very soft, gray SILT, trace fine sand, trace clay, low plasticity, trace shells, trace organics, sulfur odor, MARL.	Vibracore	
		OL-0600-14	0.9	ML	Wet, very soft gray SILT, some clay, trace fine sand, trace shells, trace organics, low plasticity, MARL.	Vibracore	
7.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60202

Date: 07/17/2008

Weather: Low 90s, mix sun/clouds, winds 5-10 mph SSW



Northing: 1118347.49

Easting: 928418.04

Mud Line: 360.68 Ft

Surface Water Depth: 2.3 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 7.1

Water Elev: 362.98 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0600-15	1.6	SP	Wet very loose gray fine SAND, trace silt, trace organics, trace shells, slight petroleum-like odor, MARL.	Vibracore	Marl
		OL-0600-16	0.1	SM	Wet, very soft gray SILT, some fine sand, trace shells, trace organics, slight sulfur odor, MARL (ambient PID is 0.5).	Vibracore	
		OL-0600-17	0.8	SM	Wet, very soft gray SILT, some fine sand, trace shells, trace organics, slight sulfur odor, MARL, some organic content in top 2 inches (ambient PID is 0.6).	Vibracore	
		OL-0600-18	0.5	SM	Wet, very soft gray SILT, some fine sand, trace shells, trace organics, slight sulfur odor, MARL, some organic content in top 2 inches (ambient PID is 0.4).	Vibracore	
		OL-0600-19	0.2	ML	Wet, very soft gray SILT little fine sand, trace shells, trace organics, slight sulfur odor, MARL, some organic content in top 2 inches.	Vibracore	
5		OL-0600-20	1	ML	Wet, very soft gray SILT, little fine sand, trace shells, trace organics, slight sulfur odor, MARL, trace wood fragments (ambient PID is 0.2).	Vibracore	
		OL-0600-21	0.3	ML	Wet, very soft, gray SILT, little fine sand, trace shells, trace organics, slight sulfur odor, MARL. Bottom 4 inches of core is a black fine sand seam with petroleum-like odor (ambient PID is 0.2).	Vibracore	
7.1							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-STA-70048

Date: 07/08/2008

Weather: Mid 90s,sun/clouds, winds 5-10 mph S-SW

Northing: 1116347.27

Easting: 927009.42

Mud Line: 361.4 Ft

Surface Water Depth: 1.6 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 7.9

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0590-15	2.2	SM	Wet, soft, dark gray to tan, fine SAND and Silt, some shells, petroleum-like and sulfur odors (MARL).	Vibracore	Marl
		OL-0590-16	2.2	SM	Wet, soft, dark gray to tan, fine SAND and Silt, some shells, petroleum-like and sulfur odors (MARL).	Vibracore	
5		OL-0590-17	2.2	SM	Wet, soft, dark gray to tan, fine SAND and Silt, some shells, petroleum-like and sulfur odors (MARL).	Vibracore	
		OL-0590-18	2.2	SM	Wet, soft, dark gray to tan, fine SAND and Silt, some shells, petroleum-like and sulfur odors (MARL).	Vibracore	
7.9							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-STA-70049

Date: 07/08/2008

Weather: Mid 90s, sun/clouds, winds 5-10 mph S-SW

Northing: 1117170.79

Easting: 926670.49

Mud Line: 352.3 Ft

Surface Water Depth: 10.7 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.3

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0590-01	0	ML	Wet, soft, black, SILT, visible sheen, strong petroleum-like odor.	Vibracore	Silt
		OL-0590-02	0	ML	Wet, soft, black, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
5		OL-0590-03	0	ML	Wet, soft, black, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
		OL-0590-04	0	ML	Wet, soft, black, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
8.3		OL-0590-05	0	ML	Wet, soft, black, SILT, visible sheen, strong petroleum-like odor.	Vibracore	

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-STA-70050

Date: 07/07/2008

Weather: High 80s, cloudy, light winds



Northing: 1117679.82

Easting: 926578.58

Mud Line: 345.1 Ft

Surface Water Depth: 17.9 Ft

Drilling Company: QEA

Logging Company: PARSONS

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.6

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
		OL-0589-05	0	ML		Vibracore	
					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
		OL-0589-06	0	ML		Vibracore	
					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
5		OL-0589-07	0	ML		Vibracore	Silt
					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
		OL-0589-08	0	ML		Vibracore	
					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
		OL-0589-09	0	ML		Vibracore	
8.6							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70108

Date: 07/08/2008

Weather: Mid 90s, mix sun/clouds, winds 5-10 mph S-SW

Northing: 1116501.23

Easting: 926974.44

Mud Line: 360.8 Ft

Surface Water Depth: 2.2 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 7.1

Water Elev: 363 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0590-11	24.2	SP	Wet, soft, dark gray to light brown, fine SAND and Silt, some shells, petroleum-like and sulfur odors, MARL.	Vibracore	Marl
		OL-0590-12	24.2	SP	Wet, soft, dark gray to light brown, fine SAND and Silt, some shells, petroleum-like and sulfur odors, MARL.	Vibracore	
5		OL-0590-13	24.2	SP	Wet, soft, dark gray to light brown, fine SAND and Silt, some shells, petroleum-like and sulfur odors, MARL.	Vibracore	
7.1		OL-0590-14	24.2	SP	Wet, soft, dark gray to light brown, fine SAND and Silt, some shells, petroleum-like and sulfur odors, MARL.	Vibracore	

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70109

Date: 07/08/2008

Weather: Mid 90s, mix sun/clouds, winds 5-10 mph S-SW

Northing: 1116652.61

Easting: 926398.77

Mud Line: 358.6 Ft

Surface Water Depth: 4.4 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.8

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0590-06	0	ML	Wet, soft, dark gray, SILT, visible sheen, strong petroleum-like odor.	Vibracore	Silt
		OL-0590-07	0	ML	Wet, soft, dark gray, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
5		OL-0590-08	0	ML	Wet, soft, dark gray, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
		OL-0590-09	0	ML	Wet, soft, dark gray, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
		OL-0590-10	0	ML	Wet, soft, dark gray, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
8.8							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70110

Date: 07/09/2008

Weather: Mid 90s, cloudy, winds 5-10 mph S-SW



Northing: 1116934.31

Easting: 926953.51

Mud Line: 357 Ft

Surface Water Depth: 6 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.0

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0591-01	0	ML	Wet, soft, black, SILT, little fine sand, petroleum-like odor.	Vibracore	Silt
		OL-0591-02	0	ML	Top 1.5ft is wet, soft, black, SILT, little fine sand, petroleum-like odor. Rest of core is wet, soft, tan, SILT, little fine sand, some shells, sulfur odor (MARL).	Vibracore	
5		OL-0591-03	0	ML	Wet, soft, tan, SILT, little fine sand, some shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0591-04	0	ML	Wet, soft, tan, SILT, little fine sand, some shells, sulfur odor (MARL).	Vibracore	
8.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70111

Date: 07/09/2008

Weather: Mid 80s, T-storms/showers, winds 5-10 mph WSW

Northing: 1116965.63

Easting: 927320.11

Mud Line: 361.1 Ft

Surface Water Depth: 1.9 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 7.1

Water Elev: 363 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0591-05	3.6	SW	Wet, soft, gray to tan, fine to medium SAND, little silt, little shells, slight sulfur and petroleum-like odors, MARL.	Vibracore	Marl
		OL-0591-06	3.6	SW	Wet, soft, gray to tan, fine to medium SAND, little silt, little shells, slight sulfur and petroleum-like odors, MARL.	Vibracore	
5		OL-0591-07	3.6	SW	Wet, soft, gray to tan, fine to medium SAND, little silt, little shells throughout, slight sulfur and petroleum-like odors, MARL.	Vibracore	
		OL-0591-08	3.6	SW	Wet, soft, gray to tan, fine to medium SAND, little silt, little shells throughout, slight sulfur and petroleum-like odors, MARL.	Vibracore	
7.1							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70112

Date: 07/16/2008

Weather: High 80s, sunny, winds 5-10 mph SW



Northing: 1116565.21

Easting: 926681.28

Mud Line: 359.43 Ft

Surface Water Depth: 3.5 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 9.4

Water Elev: 362.93 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0597-11	6.7	ML	Wet very soft black SILT, trace fine sand, some organics, petroleum-like odor.	Vibracore	Silt
		OL-0597-12	1.4	ML	Wet very soft black SILT, trace fine sand, some organics, petroleum-like odor. Trace clay, low plasticity.	Vibracore	
		OL-0597-13	0.7	ML	Wet, very soft black SILT, little clay, dark gray discoloration at 5 to 7 inches from top of core, low plasticity, petroleum-like odor.	Vibracore	
		OL-0597-14	0.8	ML	Wet, very soft black SILT, little clay, dark gray discoloration at 9 to 10 inches from top of core, low plasticity, petroleum-like odor.	Vibracore	
		OL-0597-15	0.3	ML	Wet, very soft black SILT, little clay, dark gray discoloration at 0 to 2 inches from top of core, low plasticity, petroleum-like odor, trace organics (ambient PID is 0.1).	Vibracore	
5		OL-0597-16	0.4	ML	Wet, very soft black SILT, little clay, dark gray discoloration at 0 to 2 inches from top of core, low plasticity, petroleum-like odor, trace organics (ambient PID is 0.1).	Vibracore	
		OL-0597-17	0.3	ML	PID 0.1 ambient. Wet, very soft black SILT, little clay, dark gray discoloration at 0 to 2 inches from top of core, low plasticity, petroleum-like odor. Trace organics. Black fine sand seam 4-5 inches from top of core.	Vibracore	
		OL-0597-18	0.2	ML	0-7 inches is Wet, very soft brown to black SILT, little clay, low plasticity, petroleum-like odor, trace organics. Rest of core is wet, very soft, gray SILT, some fine sand, trace shells, slight sulfur odor, MARL (SM).	Vibracore	Marl
		OL-0597-19	0.1	SM	Wet very soft gray SILT, some to little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
9.4							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70113

Date: 07/17/2008

Weather: Low 90s, mix sun/clouds, winds 5-10 mph S-SW



Northing: 1116657.99

Easting: 926914.79

Mud Line: 359.18 Ft

Surface Water Depth: 3.8 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 7.9

Water Elev: 362.98 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0598-12	0.2	ML	Wet very soft black SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0598-13	0.2	SM	0-4 inches is wet very soft black SILT, trace fine sand, petroleum-like odor (ML). Rest of core is wet very loose gray fine SAND, little silt, trace shells, slight petroleum-like odor, MARL.	Vibracore	Marl
		OL-0598-14	0.1	SM	Top 5.5 inches wet very loose gray fine SAND, little silt, trace shells, slight petroleum-like odor, MARL. Rest is wet very soft gray SILT, some fine sand trace shells, sulfur odor, MARL.	Vibracore	
		OL-0598-15	0.1	SM	Wet very soft gray SILT, some fine sand trace shells, sulfur odor, MARL.	Vibracore	
		OL-0598-16	0	SM	Wet very soft gray SILT, some fine sand trace shells, sulfur odor, MARL.	Vibracore	
5		OL-0598-17	0	ML	Wet very soft gray SILT, little fine sand, trace shells, wood fragments 11 inches from top of core, sulfur odor, MARL.	Vibracore	
		OL-0598-18	0	ML	Wet very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0598-19	0	ML	Wet very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
7.9							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70114

Date: 07/17/2008

Weather: Low 90s, mix sun/clouds, winds 5-10 mph S-SW

Northing: 1116812.85

Easting: 927140.77

Mud Line: 36048 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 5.0

Water Elev: 362.98 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0599-10	0.1	SP	Wet, very loose black fine SAND, trace silt, trace organics, trace shells, petroleum-like odor.	Vibracore	Fine Sand
		OL-0599-11	0.2	SM	Top 6 inches are wet, very loose black fine SAND, trace silt, trace organics, trace shells, petroleum-like odor. Rest of the core is wet, very soft, gray SILT, some fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0599-12	0.1	SM	Wet, very soft, gray SILT, some fine sand, trace shells, sulfur odor, MARL.	Vibracore	Marl
		OL-0599-13	0.6	SM	Wet, very soft, gray SILT, some fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0599-14	0.5	ML	Wet, very soft, gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
5.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70115

Date: 07/17/2008

Weather: Low 90s, mix sun/clouds, winds 5-10 mph S-SW



Northing: 1116954.21

Easting: 927417.08

Mud Line: 360.18 Ft

Surface Water Depth: 2.8 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.1

Water Elev: 362.98 Ft

Attempts: 4

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0599-01	1.8	SP	Wet, very loose black fine SAND, trace silt, trace shells, petroleum-like odor, trace organics, trace sub rounded fine gravel, MARL.	Vibracore	Marl
		OL-0599-02	0	SM	Top 3 inches wet, very loose black fine SAND, trace silt, trace shells, petroleum-like odor, trace organics, trace sub rounded fine gravel, MARL. Rest of core is wet, very soft gray SILT, some to little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0599-03	0.3	SM	Wet, very soft gray SILT, some fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0599-04	0.3	SM	Wet, very soft gray SILT, some fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0599-05	0.2	SM	Wet, very soft gray SILT, some fine sand, trace shells, sulfur odor, MARL. 1.5 inch diameter wood fragment.	Vibracore	
5		OL-0599-06	0.3	SM	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0599-08	1.2	SM	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
		OL-0599-09	0.2	SM	Wet, very soft gray SILT, little fine sand, trace shells, sulfur odor, MARL.	Vibracore	
8.1							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70119

Date: 07/07/2008

Weather: High 80s, cloudy, light winds

Northing: 1117418.01

Easting: 926583.27

Mud Line: 349 Ft

Surface Water Depth: 14 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 7.5

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0589-10	0	ML	Wet, soft, black, SILT, visible sheen, petroleum-like odor	Vibracore	Silt
		OL-0589-11	0	ML	Wet, soft, black, SILT, visible sheen, petroleum-like odor	Vibracore	
5		OL-0589-12	0	ML	Wet, soft, black, SILT, visible sheen, petroleum-like odor	Vibracore	
		OL-0589-13	0	ML	Wet, soft, black, SILT, visible sheen, petroleum-like odor	Vibracore	
7.5							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70120

Date: 07/07/2008

Weather: High 80s, cloudy, light winds

Northing: 1118002.52

Easting: 926400.11

Mud Line: 340.3 Ft

Surface Water Depth: 22.7 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.0

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0589-01	0	ML	Wet, soft, black, SILT, visible sheen, petroleum-like odor.	Vibracore	Silt
		OL-0589-02	0	ML	Wet, soft, black, SILT, visible sheen, petroleum-like odor.	Vibracore	
5		OL-0589-03	0	ML	Wet, soft, black, SILT, visible sheen, petroleum-like odor.	Vibracore	
		OL-0589-04	0	ML	Wet, soft, black, SILT, visible sheen, petroleum-like odor.	Vibracore	
8.0							

Note: Null fields indicate readings were not taken.

BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70122

Date: 07/09/2008

Weather: Mid 80s, T-storms possible, winds 5-10mphWSW

Northing: 1117266.99

Easting: 926944.82

Mud Line: 353.8 Ft

Surface Water Depth: 9.2 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.5

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
		OL-0591-09	0	ML		Vibracore	
					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
		OL-0591-10	0	ML		Vibracore	
					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
5		OL-0591-11	0	ML		Vibracore	Silt
					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
		OL-0591-12	0	ML		Vibracore	
					Wet, soft, black, SILT, visible sheen, petroleum-like odor.		
		OL-0591-13	0	ML		Vibracore	
8.5							

Note: Null fields indicate readings were not taken.

BORING LOG

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Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70123

Date: 07/07/2008

Weather: High 80s, cloudy, light winds

Northing: 1117476.99

Easting: 926864.72

Mud Line: 351.4 Ft

Surface Water Depth: 11.6 Ft

Drilling Company: QEA

Logging Company: Parsons

Geologist: SMC

Penetration Depth: 10.0

Core Recovery Depth: 8.0

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0589-14	0	ML	Wet, soft, black, SILT, visible sheen, strong petroleum-like odor.	Vibracore	Silt
		OL-0589-15	0	ML	Wet, soft, black, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
5		OL-0589-16	0	ML	Wet, soft, black, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
		OL-0589-17	0	ML	Wet, soft, black, SILT, visible sheen, strong petroleum-like odor.	Vibracore	
8.0							

Note: Null fields indicate readings were not taken.